

ANNEXURES

for

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT REPORT (ESIA)

PROJECT ID: P170811

Date: August 2024

PUNJAB MUNICIPAL SERVICES IMPROVEMENT PROJECT:

Sub Project Ludhiana Bulk Water Supply Project

Implementing Agency: Project Management Unit, Punjab Municipal Infrastructure Development Company (PMIDC), Government of Punjab and Project Implementation Unit, Municipal Corporation of Ludhiana (MCL)

Funded By: The World Bank and The Asian Infrastructure Investment

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Annexure 1: Details of Existing and Proposed ESRs

A. Details of Proposed ESRs

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
1	W95-P1	North	Akash Nagar Park	1.5	20	30° 56' 45.49" N, 75° 49' 57.80"S	NA	Private	11//5	Park	MCL
2	W6-P1	North	Gailiveli Pond, Beside Gailiveli School (1.5ML)	1.5	25	30°56'43.71"N 75°52'48.62"E	1040	Primary School	NA	School	School/ alternative site
3	W6-P2	North	Gailiveli Pond, Beside Gailiveli School (1.5ML)	1.5	25	30°56'43.00"N 75°52'49.00"E	1040	Primary School	NA	School	School/ alternative site
4	W3-P1	North	Panchsheel Park (1.5ML)	1.5	25	30°56'31.00"N 75°51'36.33"E	645	Private	21//22/2 23	Tubewell on Park	MCL
5	W1-P2	North	Royal City Park (1.5ML)	1.5	25	30°56'22.00"N 75°50'19.00"E	209	Private	21//6/1	Park	MCL
6	W89-P2	North	Netaji Park (1ML)	1	25	30°56'2.10"N 75°50'4.60"E	881	No Record	No Record	Park	MCL
7	W89-P3	North	Sant Rajinder Punjabi Park (1.5 ML)	1.5	25	30°55'48.48"N 75°50'33.68"E	596	No Record	No Record	Park	MCL
8	W89-P1	North	Opp Church GT Road (1ML)	1	25	30°55'40.00"N 75°50'41.00"E	3733	MCL	31	Park	MCL
9	W87-P1	North	Beside old Public Toilet,GT Road (1ML)	1	25	30°55'46.21"N 75°50'33.22"E	6631	MCL	10//20/1	Park	MCL
10	W85-P1	North	Shiv Statue,GT Road (1.5 ML)	1.5	25	30°55'35.54"N 75°50'41.22"E	1456	MCL	573/1	Vacant Land	MCL

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
11	W58-P1	North	Sunder Nagar Park (1ML)	1	25	30°55'25.24"N 75°51'59.32"E	1492	Private	145	Tubewll on Park	MCL
12	W7-P1	North	Chandralok Colony (2ML)	2	25	30°56'9.36"N 75°53'2.73"E	615	Private	388	Tubewll on Park	MCL
13	W13-P1	North	Goushaala, Tibberoad(1ML)	1	25	30°55'35.87"N 75°53'52.32"E	2329	Private	21//14	Vacant Land	MCL
14	W16-P2	North	Sector 33 Park(2ML)	2	25	30°54'29.48"N 75°54'33.51"E	2239	GLADA	79//12	Vacant land	GLADA
15	W14-P2	North	Tankiwala Park Bl-C (1.5ML)	1.5	25	30°55'2.15"N 75°53'41.37"E	11307	MCL	45//15/1	Park	MCL
16	W58-P2	North	Park Opposite Shifaly school	NA	25	No coordinate found	NA	Private	254	Park	MCL
17	W59-P2	North	Geeta Mandir Park opp Daresi Ground Ward 21 (1ML)	1	25	30°55'18.57"N 75°51'9.37"E	14591	Provincial Govt.	40/30-31/14/2	Park	MCL
18	W84-P1	North	Manna Singh Nagar ,GT Road (1.5 ML)	1.5	25	30°55'32.65"N 75°50'43.96"E	1622	MCL	563	Park	MCL
19	W59-P1	North	Geeta Mandir Park opp Daresi Ground Ward 21 (1.5ML)	1.5	25	30°55'18.57"N 75°51'9.37"E	14591	Provincial Govt.	40/30-31/14/2	Park	MCL
20	W54-P2	North	Children's Park, near Old Jail (1.5ML)	1.5	25	30°54'24.00"N 75°51'44.00"E	2526	GLADA	384/55-56	Park	MCL
21	W54-P1	North	Open Land Opp Old Jail (1.5ML)	1.5	25	30°54'27.25"N 75°51'41.90"E	4568	GLADA	384/55-56	Vacant Land	MCL
22	W57-P1	North	Street No.5, Kashmir Nagar Chowk(2 ML)	2	25	30°54'56.50"N 75°52'19.10"E	2238	MCL	NA	Vacant Land	MCL/Alternative site

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
23	W20-P1	North	NKH Park, near Cheema Chowk(Ward 17) 1.5ML	1.5	25	30°54'3.82"N 75°52'29.49"E	2974	No record	NA	Vacant Land	MCL
24	W53-P1	North	Shahidi Park,Kidwai Nagar, near Sub Zone B1 (1.5ML)	1.5	25	30°54'11.00"N 75°52'0.00"E	11127	MCL	NA	Park	MCL
25	W20-P2	North	Guru Angad Dev Park, Janakpuri Tea Point (Ward 17) 1.ML	1	25	30°53'58.12"N 75°52'23.14"E	2155	No Record	NA	Park	MCL
26	W21-P1	North	Saini Colony 0.45 ML	0.45	25	30°54'5.99"N 75°53'13.27"E	1968	MCL	62//24	Park	MCL
27	W18-P1	North	Vishkarma Colony Park 1.5ML	1.5	25	30°53'46.54"N 75°53'53.73"E	1545	GLADA	NA	Park	MCL
28	W24-P1	North	Park, Opp Veer Palace(1.5ML)	1.5	25	30°53'48.47"N 75°55'6.55"E	26545	GLADA	95//13	Park	MCL
29	W25-P1	North	Ansal Enclave Park(1.5ML)	1.5	25	30°54'25.88"N 75°55'0.20"E	25655	Private	62//3	Park	MCL
30	W27-P2	North	Land Opposite Govt. SMART Primary School, Mundian (1.5ML)	1.5	25	30°53'45.94"N 75°55'50.16"E	5421	MCL	345	Vacant land	NA
31	W27-P3	North	34 Acre Focal Point (1.5ML)	1.5	25	30°52'25.96"N 75°56'50.73"E	7175	P.S.I.C	NA	Vacant land	MCL
32	W94-P1	South	Kesari Enclave Park	NA	25	30°56'32.01"N 75°49'7.32"E	9152	Private	43//8-9-10	Park	MCL
33	W80-P1	South	Mahaveer Jain Colony Park	NA	25	30°55'22.10"N 75°48'6.35"E	1698	Private	255	Park	MCL

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
34	W78-P1	South	LIT land, Opp.Park, Z Block, Ashok Vihar	NA	25	30°54'33.57"N 75°48'21.63"E	6099	LIT	15//17	Vacant Land	LIT
35	W77-P2	South	Income Tax Dept Land, Opp. Govt Polytechnic College for Girls	NA	25	30°54'42.60"N 75°48'25.36"E	2090	LIT	15//24	Vacant Land	LIT
36	W94-P2	South	Juhi Enclave Park	NA	25	30°56'4.47"N 75°49'7.62"E	2945	Private	33//23	Park	MCL/Alternative site
37	W91-P1	South	Civil City Park (Vinod Park, opposite Jeevodaya nursing home)	NA	25	30.930030, 75.826948	NA	No Record	NA	Park	MCL
38	W90-P1	South	Dasera Ground, Upkar Nagar	NA	25	30°55'14.06"N 75°50'16.80"E	1815	Park	91-92	Vacant Land	MCL/Alternative site
39	W76-P1	South	Nehru Rose Garden	NA	25	30°54'20.59"N 75°49'29.98"E	34111	MCL	374	Vacant Land	MCL
40	W27-P1	South	BSUP Flats MC Flats (AMRUT)	NA	25	30°54'8.03"N 75°56'20.88"E	7587	MCL	NA	Vacant Land	MCL
41	W74-P2	South	Wadewal Avana New Aggar Nagar	NA	25	30°53'10.43"N 75°46'18.60"E	996	Private	368	Park	MCL
42	W74-P1	South	Citizen Enclave	NA	25	30°53'10.72"N 75°46'44.09"E	755	Private	1096	Vacant Land	MCL
43	W25-P2	South	Trikona Park, Bhamia Road	NA	25	No coordinate found	26944	MCL	296	Park	MCL
44	W72-P1	South	Trikona Park, Sunet Village, I Block, B R S Nagar	NA	25	30°52'53.62"N 75°47'54.36"E	1700	LIT	NA	Park	MCL

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
45	W47-P1	South	Lal Quarters, Azad Nagar(Abdullpur Basti)	NA	25	30°53'43.44"N 75°51'5.93"E	498	No Record	No Record	Vacant land	MCL
46	W46-P1	South	13 No. Tubewell Park (Model Town)	NA	25	30°53'12.43"N 75°50'25.07"E	3886	No Record	No Record	Park	MCL
47	W71-P2	South	Govind Nagar, backside Indoor Stadium	NA	25	30°52'28.95"N 75°48'19.73"E	1779	LIT	NA	Vacant land	LIT
48	W45-P1	South	Dugri Phase 3	NA	25	30°52'10.59"N 75°49'28.24"E	5109	GLADA	NA	Vacant land	GLADA
49	-		CRPF colony park opposite HIG flat	NA	25	NA	#N/A	GLADA	NA	No Information	MCL
50	W39-P2	South	Golden Park 2	NA	25	30°52'38.59"N 75°51'51.03"E	8287	Private	526	Park	MCL
51	W39-P1	South	Golden Park 1	NA	25	30°52'37.33"N 75°51'52.44"E	2559	Private	525	Park	MCL
52	W30-P3	South	Giaspura Mini Rose Garden 1	NA	25	30°52'11.54"N 75°53'44.65"E	12751	MCL	102	Park	MCL
53	W30-P2	South	Giaspura Mini Rose Garden 2	NA	25	30°52'11.92"N 75°53'44.48"E	61.7	MCL	102	Park	MCL
54	W30-P1	South	Open Land opp.Indian Oil Petrol Bunk,Giaspura Mini Rose Garden	NA	25	30°52'11.24"N 75°53'42.39"E	19608	MCL	156	Vacant land	MCL
55	W31-P2	South	Giaspura Flats 2	NA	25	30°51'29.77"N 75°53'26.40"E	4238	MCL	34//24	Vacant land	MCL
56	W31-P1	South	Giaspura Flats 1	NA	25	30°51'29.79"N 75°53'24.05"E	19608	MCL	35//11/2	Vacant Land	MCL

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
57	W15-P1	North	Kuliewal, New National Colony (Amrut)	NA	25	30°55'31.66"N 75°53'57.06"E	3004	Private	28// 20/2	Vacant Land	MCL
58	W29-P1	South	Village- Giyashpura, Indira Park 2 (AMRUT)	NA	25	30°51'53.12"N 75°54'20.49"E	12751	MCL	27//19/2/22	Park	MCL
59	W71-P1	South	Village- Sunet, Opposite Keys Hotel (AMRUT)	0.50	25	30°52'28.95"N 75°48'19.73"E	5255	MCL	89// 4/2, 5/1	Vacant Land	MCL
60	W28-P1	South	Village- Dhindari Khurd, Durga Colony Near T/w (AMRUT)	2.5	25	30°52'11.59"N 75°56'1.35"E	592	MCL	34	Vacant land	MCL
61	W28-P2	South	Open Land besides Kanganwal graveyard near police station (Amrut)	3	25	30°51'2.68"N 75°55'46.60"E	1570	MCL	34	Ground	MCL
62	W27-P4	North	Village- Mundia Khurd, Fortis Hospital (Amrut)	1	25	30°53'24.83"N 75°56'12.78"E	994	MCL	55	Park	MCL
63	W74-P3	South	Village – Bardhe wall, Mahaveer Enclave (AMRUT)	1	25	30°53'37.30"N 75°46'20.21"E	1521	MCL	25//13	Vacant Land	MCL
64	W19-P1	North	LIG housing park near green land school (Amrut)	2	25	30°54'41.34"N 75°53'4.82"E	6918	MCL	NA	Park	MCL
65	W16-P1	North	Land Opposite Govt. Primary	1	25	30°54'29.48"N 75°54'33.51"E	1613	No Record	NA	Vacant Land	MCL

S. No.	ESR Name	Zone	ESR Location and Capacity	Capacity (ML)	Staging Height	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
			School, Bhamian Road Amrut								
66	W30-P4	South	Dhandari Park, near suwida centre (AMRUT)	3	25	30°51'55.56"N 75°55'6.41"E	7623	MCL	NA	Vacant Land	MCL
67	W30-P6		Park near gurudwara reru sahab (previously Lohara Dhaba Disposal Amrut)	1	25	30°52'15.41"N 75°53'21.63"E	1908	Loh Langar Trust	NA	Park	Loh Langar Trust
68	W30-P5	South	Daba Shamshan Ghat Amrut	2.5	25	30°52'12.54"N 75°53'21.01"E	1299	MCL	250	Ground	MCL
69	W33-P1	South	Lohara Shamshan Ghat Amrut	1	25	30°50'52.94"N 75°53'21.47"E	367	MCL	333	Ground	MCL
70	W24-P1	North	Budda Park near jeevan nagar chowk (Amrut)	2.5	25	30°53'32.17"N 75°55'2.69"E	6851	GLADA	95//18//1	Park	GLADA

B. Details of Existing ESRs

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
1	W4-E1	North	Basant Vihar	0.455	32	30° 56' 31.84" N, 75° 51' 32.041" E	417	Not Available	NA	Existing ESR	MCL
2	W59-E1	North	Daresi Opp Geeta Mandir	0.455	32	30° 55' 18.42" N, 75° 51' 16.201" E	8707	State Govt.	40//30/31-24/1	Existing ESR	MCL
3	W79-E1	South	Village - Haibowal Kalan, Shamshan Ghat	0.455	32	30°55'49.40" N, 75°48'13.12" E	1240	MCL	48	Existing ESR	MCL
4	W58-E1	North	Naulakha Garden	0.455	32	No coordinate found	NA	Not Available	NA	Park	MCL
5	W80-E1	South	Haibowal Kalan Near Police Station, Village - Haibowal Kalan	0.455	32	30°55'27.06" N, 75°48'20.92" E	330	Private	43	Existing ESR	MCL
6	W95-E1	North	Village – Jassian, Ashok Nagar, Shamshan Ghat	0.455	32	30° 56' 35.465" N, 75° 49' 25.216" E	NA	Private	22//4	Unknown	MCL
7	W25-E1	North	Village – Kullian wall, Jamalpur	0.227	32	30°54'14.39" N, 75°54'38.11" E	3224	MCL	104	Private	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
			Disposal Site								
8	W13-E1	North	Village- kuliewal, Prem Vihar	0.455	32	30°55'56.17" N, 75°53'50.69" E	971	Private	26//3/1	Existing ESR	MCL
9	W62-E1	North	Village – Ludhiana City, Subhani Building M/s Surphase SR	NA	NA	30° 54' 50.365" N, 75° 51' 46.230" E	946	PUDA	233	Existing ESR	MCL
10	W62-E2	North	Ludhiana Cit, Naulakha Garden	NA	32	No coordinate found	1238	Central Govt.	1692-221- 131	Vacant land	MCL
11	W70-E1	South	Jawaddi kalan, Vishal Nagar	0.909	32	30°52'44.68" N, 75°49'21.00" E	2660	MCL	44	Existing ESR	MCL
12	W20-E1	North	Village – Sherpur kalan, Moti Nagar Store	0.455	32	30°53'56.14" N, 75°52'53.93" E	1968	LIT	17//23	Existing ESR	MCL
13	W74-E1	South	Village – Badewal Awana, Sher- E- Punjab Colony	0.909	32	30°53'48.50" N, 75°47'11.61" E	2136	Private	285//1	Existing ESR	MCL
14	W64-E1	North	Village – Municipal Committee	0.455	32	30° 55' 7.444" N, 75° 51' 1.828" E	1517	MCL	6	Existing ESR	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
			Ludhiana, Town Hall								
15	W83-E1	South	Village-Mahal Bagat, Prem Nagar	0.909	32	30°55'9.98" N, 75°50'3.13" E	1143	Private	858	Park	MCL
16	W84-E1	North	Village-Mahal Bagat, Manna Singh Colony Old GT Road	0.455	32	30° 55' 32.655" N, 75° 50' 43.956" E	1511	Private	731	Existing ESR	MCL
17	W10-E1	North	Subhas Nagar	0.455	32	30° 55' 51.166" N, 75° 52' 37.585" E	5006	Not Available	NA	Existing ESR	MCL
18	W21-E1	North	Kirti Nagar Sector 39 A	0.455	32	30°54'4.67" N, 75°53'13.57" E	2732	GLADA	NA	Existing ESR	MCL
19	W16-E1	North	Main Water Works Sector 38 A	0.909	NA	30°54'36.16" N, 75°53'51.54" E	1380	GLADA	NA	Existing ESR	MCL
20	W16-E2	North	New Water Works Sec 32 A	0.455	NA	30°54'46.72" N, 75°54'4.81" E	6873	GLADA	NA	Existing ESR	MCL
21	W18-E1	North	Opposite Dental College, Sector 40	0.909	NA	30°53'53.25" N, 75°53'39.19" E	8608	GLADA	NA	Existing ESR	MCL
22	W24-E1	North	Phase 4A Metro Road	0.455	32	30°53'44.77" N, 75°55'10.63" E	15456	Not Available	NA	Existing ESR	MCL
23	W27-E1	North	BSUP Flats MC Flats	0.455	32	30°52'29.52" N, 75°56'49.16" E	3224	Not Available	NA	Existing ESR	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
24	W24-E2	North	Urban Estate Phase II	0.455	32	No coordinate found	26545	Not Available	NA	Existing ESR	MCL
25	W27-E2	North	Phase 8 Focal Point	0.455	32	No coordinate found	1825	P.S.I.C	NA	Existing ESR	MCL
26	W23-E1	North	Urban Estate Phase I	0.455	32	30°53'26.58" N, 75°54'47.12" E	21686	Not Available	NA	Existing ESR	MCL
27	W23-E2	North	Focal Point Opp. Thana	0.455	32	30°53'4.47" N, 75°54'25.98" E	7117	GLADA	NA	Existing ESR	MCL
28	W23-E3	North	Phase 3 near Coca Cola factory	0.227	32	30°53'18.33" N, 75°54'16.23" E	893	GLADA	NA	Existing ESR	MCL
29	W22-E1	North	Sherpur Zone B2	0.455	32	30°53'15.75" N, 75°53'27.90" E	5455	Not Available	NA	Existing ESR	MCL
30	W28-E1	North	Focal Phase 5	0.455	32	30°52'33.25" N, 75°55'0.19" E	7753	Not Available	NA	Existing ESR	MCL
31	W28-E2	North	Phase 6 Police Chowki	0.455	32	30°52'32.40" N, 75°55'49.46" E	10114	Not Available	NA	Existing ESR	MCL
32	W28-E3	North	Focal Phase 7	0.455	32	30°52'19.23" N, 75°56'14.17" E	5527	Not Available	NA	Existing ESR	MCL
33	W27-E3	North	34- Acre Existing ESR Phase 8	0.227	32	No coordinate found	11123	Not Available	NA	Existing ESR	MCL
34	W37-E1	South	Langar Hall Village Dhabba	0.455	32	30°52'10.70" N, 75°53'2.55" E	722	Not Available	NA	Existing ESR	MCL
35	W31-E1	South	BSUP Flats giaspura	0.455	32	No coordinate found	248	Not Available	NA	Existing ESR	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
36	W35-E1	South	Grewal Colony	0.455	32	No coordinate found	1659	Not Available	NA	Existing ESR	MCL
37	W40-E1	South	Kot Mangal Singh	0.909	32	30°52'34.36" N, 75°52'19.33" E	8287	Not Available	NA	Existing ESR	MCL
38	W51-E1	South	over lock road cycle market	0.909	32	30°53'37.07" N, 75°51'31.50" E	991	Not Available	NA	Existing ESR	MCL
39	W51-E2	South	Dholewal	0.909	32	30°53'36.03" N, 75°52'6.90" E	3801	Not Available	NA	Existing ESR	MCL
40	W50-E1	South	Gill Chowk	0.909	32	30°53'20.31" N, 75°51'34.33" E	1095	Not Available	NA	Existing ESR	MCL
41	W49-E1	South	Atam Nagar	0.909	32	30°53'14.73" N, 75°51'3.85" E	460	Not Available	NA	Existing ESR	MCL
42	W43-E1	South	Dungri	0.455	32	30°52'24.53" N, 75°50'41.70" E	1061	Not Available	NA	Existing ESR	MCL
43	W44-E1	South	Urban Estate Dugri Main (Durga Mandir)	0.909	32	30°52'16.88" N, 75°50'10.66" E	6266	Not Available	NA	Existing ESR	MCL
44	W44-E2	South	Dugri Community Center Phase 2	NA	NA	30°51'53.79" N, 75°50'1.81" E	1589	GLADA	NA	Existing ESR	MCL
45	W46-E1	South	Model Town Gole Market	0.909	32	30°53'23.42" N, 75°50'27.53" E	4880	Not Available	NA	Existing ESR	MCL
46	W69-E1	South	Shastri Nagar	0.455	32	30°53'20.16" N, 75°49'48.70" E	705	LIT	79//24/2	Park	MCL
47	W71-E1	South	SBS(Shaheed Bhagat Singh)	0.909	NA	30°52'40.75" N, 75°48'52.59" E	2780	LIT	NA	Existing ESR	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
			Nagar Block F								
48	W71-E2	South	SBS(Shaheed Bhagat Singh) Nagar Block G	0.909	NA	30°52'37.10" N, 75°48'23.11" E	3637	LIT	NA	Existing ESR	MCL
49	W72-E1	South	BRS Nagar H Block	0.909	32	30°53'7.38" N, 75°47'54.58" E	1212	Not Available	NA	Existing ESR	MCL
50	W73-E1	South	Rajguru Nagar Block B T/W	0.68	NA	30°52'49.44" N, 75°47'2.64" E	1662	LIT	NA	Existing ESR	MCL
51	W66-E1	South	Sant Isher Nagar (New T/W)	0.23	NA	30°53'40.94" N, 75°49'48.99" E	1313	LIT	NA	Existing ESR	MCL
52	W51-E3	South	Jawaharnagar 03	0.909	32	No coordinate found	1779	Not Available	NA	Existing ESR	MCL
53	W65-E1	South	Sham Nagar Tankiwala	0.909	32	30°54'6.21" N, 75°50'52.17" E	4114	Not Available	NA	Existing ESR	MCL
54	W66-E3	South	Club Road	0.909	32	No coordinate found	34111	Not Available	NA	Existing ESR	MCL
55	W76-E2	South	Rishi Nagar Near Block E	0.68	NA	No coordinate found	9500	LIT	NA	Existing ESR	MCL
56	W82-E1	South	Kitchlu Nagar	0.455	32	30°54'50.65" N, 75°49'6.31" E	2992	Not Available	NA	Existing ESR	MCL
57	W91-E1	South	Jeenat Colony	0.455	32	30°55'42.66" N, 75°49'28.16" E	898	Not Available	NA	Existing ESR	MCL
58	W94-E1	South	Jagat Nagar, Jassian Road	0.455	32	30.9430504 75.8236013	NA	Not Available	NA	Existing ESR	MCL
59	W52-E1	North	Islamganj	NA	NA	30°54'17.25" N, 75°51'36.93" E	293	Not Available	NA	Existing ESR	MCL

S. No.	ESR Name	Zone	ESR Location	Capacity (ML)	Staging Height (m)	Latitude and Longitude	Available Area (Sq. m.)	Ownership	Khasra No.	Present Land Use	Possession of Land
60	W53-E1	North	Kidwai Nagar	NA	NA	30°54'10.57" N, 75°51'57.32" E	293	Not Available	NA	Existing ESR	MCL
61	W88-E1	North	Shekhawal	0.909	32	30°55'49.31" N, 75°51'33.75" E	2127	Not Available	NA	Existing ESR	MCL
62	W27-E4	South	BSUP flats Gaispura Singla Cycle Road	0.455	32	No coordinate found	11123	Not Available	NA	Existing ESR	MCL
63	W30-E1	North	Vishwakarm a Park Jaimal Singh Road	NA	NA	30°52'52.60" N, 75°51'42.50" E	419	P.S.I.C	NA	Existing ESR	MCL
64	W41-E1	North	Div no. 4 opp police station MS Surface SR	NA	NA	30°55'19.56" N, 75°51'19.29" E	NA	Not Available	NA	Park	MCL
65	UGSR-1		Leisure Valley Park	NA	NA	No coordinate found	NA	Not Available	NA	Unknown	MCL
66	UGSR	South	Rose Garden	0.909	19	No coordinate found	NA	Not Available	NA	Unknown	MCL

Annexure 2: Treated Wastewater Quality Reports of the STPs

STP: Bhattian 1 Capacity 111 MLD



Sophisticated Analytical Instruments Laboratories

Society (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)

Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/855	Date:	01.02.2024
Service No.	NN/23-24/855(01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Bhattian, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 50 + 111 MLD STP Bhattian		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet (50 + 111 MLD STP Bhattian) 02- Outlet 111 MLD STP Bhattian		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any), Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.1.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	pH at 25°C	APHA 23rd Edn.4500-H+B:2017	--	7.3	7.1	6.5 to 9.0	--
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd. Edn.2540-D:2017	mg/l	496	26	500	≤50
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B:2017	mg/l	701	167	500	--
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1893, Reaffirmed 2019	mg/l	240	16	250	≤30
5	TKN as N	APHA 23rd. Edn. 4500 Norg B: 2017	mg/l	42.9	31.0	45	--
6	Ammonical Nitrogen as N	APHA 23rd. Edn. 4500 NH3N:2017	mg/l	35.1	28.8	--	--
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	6.7	4.8	7	--

Page 1 of 2

Dr. M. Chhabber

Professor In-charge, SAI Labs

(Authorized Signatory)

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 4. In case any reconfirmation of contents of the test report is required, please contact the authorized signatory of the test report within 15 days of the issue of test report.

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URL: www.sailabs.org SAI/EM/CSO-11

STP: Bhattian 1 Capacity 111 MLD



Sophisticated Analytical Instruments Laboratories Society
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 Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/655	Date:	01.02.2024
Service No.	NN/23-24/655(01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Bhattian, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 50 + 111 MLD STP Bhattian		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet (50 + 111 MLD STP Bhattian) 02- Outlet 111 MLD STP Bhattian		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any), Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	Faecal Coliform		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.1.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	Faecal Coliform	APHA 23 rd Edn. 9221 E:2017	MPN/100ml	130X10 ³	<1.8	1X10 ⁷	≤230

Page 2 of 2.

.....End of the report.....

Dr. M. Chhibber
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STP: Bhattian 2 Capacity 50 MLD



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Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/656	Date:	01.02.2024
Service No.	NN/23-24/656(01)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Bhattian, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 50 MLD STP Bhattian		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	Outlet (50 MLD Bhattian)		
Quantity/number of samples	5 liter / 1		
Sampling Procedure (if any), Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate,		
Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.1.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results	Limits as per Design build operate transfer (DBOT)
					Outlet
1	pH at 25°C	APHA 23rd Edn.4500-H+B:2017	--	7.4	6.5 to 8.5
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd. Edn.2540-D-2017	mg/l	18	≤10
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B:2017	mg/l	33	≤50
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1993, Reaffirmed 2019	mg/l	<5.0	≤10
5	TKN as N	APHA 23rd. Edn. 4500 Norg B: 2017	mg/l	12.1	≤10
6	Ammonical Nitrogen as N	APHA 23rd .Edn. 4500 NH3N:2017	mg/l	10.1	≤5
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	0.59	≤1

Page 1 of 2

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STP: Bhattian 2 Capacity 50 MLD



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Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/856	Date:	01.02.2024
Service No.	NN/23-24/856(01)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Bhattian, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 50 MLD STP Bhattian		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	Outlet (50 MLD Bhattian)		
Quantity/number of samples	5 liter / 1		
Sampling Procedure (if any), Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	Faecal Coliform		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results	Limits as per Design build operate transfer (DBOT)
				01	Outlet
1	Faecal Coliform	APHA 23 rd Edn. 9221 E:2017	MPN/100ml	<1.8	<230

Page 2 of 2

.....End of the report.....

Dr. M. Chhibber
Professor In-charge, SAI Labs
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SAI/ML/CSC-11

STP: Jamalpur Capacity 225 MLD



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Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/660	Date:	01.02.2024
Service No.	NN/23-24/660 (01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Balloke, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of Jamalpur 225 MLD STP		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet 225 MLD 02- Outlet 225 MLD		
Quantity/number of samples	5 Liter each / 2		
Sampling Procedure (if any)	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	pH at 25°C	APHA 23rd Edn. 4500-H+B:2017	--	7.4	8.3	6.5 to 9.0	6.5-8.5
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd Edn. 2540-D:2017	mg/l	520	<10	500	≤5
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B:2017	mg/l	608	24	500	≤50
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1993; Reaffirmed 2019	mg/l	196	≤5.0	250	<10
5	TKN as N	APHA 23rd. Edn. 4500 Norg B: 2017	mg/l	37.2	1.56	45	≤10
6	Ammonical Nitrogen as N	APHA 23rd. Edn. 4500. NH3N:2017	mg/l	33.6	1.20	--	≤5
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	2.0	0.32	7	≤1

Page 1 of 2

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STP: Jamalpur Capacity 225 MLD



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TEST REPORT

Sample ID	NN/23-24/660	Date:	01.02.2024
Service No.	NN/23-24/660 (01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Balloke, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste: Water of Jamalpur 225 MLD STP		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet 225 MLD 02- Outlet 225 MLD		
Quantity/number of samples	5 Liter each / 2		
Sampling Procedure (if any)	--		
Test parameters	Faecal Coliform		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	Faecal Coliform	APHA 23 rd Edn, 9221 E:2017	MPN/100ml	79X10 ⁴	<1.B	1X10 ⁷	<230

Page 2 of 2

.....End of the report.....

Dr. M. Chhibber
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STP: Balloke-1 Capacity 152 MLD



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Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/659	Date:	01.02.2024
Service No.	NN/23-24/659 (01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Balloke, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 152 MLD STP Balloke		
Condition of the sample received	O.K		
Customer's sample identification No. (if any)	01 - Inlet - 152 MLD STP Balloke 02 - Outlet 152 MLD STP Balloke		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any) Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate		
Method followed	As mentinned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	pH at 25°C	APHA 23rd Edn.4500-H+B:2017	--	7.3	7.1	6.5 to 9.0	--
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd. Edn.2540-D:2017	mg/l	990	20	500	≤50
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B. 2017	mg/l	1379	61	500	--
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1993, Reaffirmed 2019	mg/l	310	<5.0	250	≤30
5	TKN as N	APHA 23rd.Edn. 4500 Norg B: 2017	mg/l	41.4	2.40	45	--
6	Ammonical Nitrogen as N	APHA 23rd Edn. 4500 NH3N: 2017	mg/l	35.4	1.56	--	--
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	6.9	0.9	7	--

Page 1 of 2

Dr. M. Chhibber
Professor in-charge, SAI Labs
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STP: Balloke-1 Capacity 152 MLD



Sophisticated Analytical Instruments Laboratories

Society (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)

Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/659	Date:	01.02.2024
Service No.	NN/23-24/659 (01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd. Balloke, Ludhiana (Pb) Kind Attn: Mr. Gurmeet Singh			
Sample Description	waste Water of 152 MLD STP Balloke.		
Condition of the sample received	O.K		
Customer's sample identification No. (if any)	01 - Inlet 152 MLD STP Balloke 02 - Outlet 152 MLD STP Balloke		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any) Standard/Specification	-		
Mode of Sampling/ Environmental condition during transport	-		
Test parameters	Faecal Coliform		
Method followed	As mentioned below		
Deviations (if any)	-		
Documents constituting this report (if any)	-		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	Faecal Coliform	APHA 23 rd Edn. 9221 E:2017	MPN/100ml	49X10 ⁵	<1.8	1X10 ⁷	≤230

Page 2 of 2

.....End of the report.....

Dr. M. Chhibber
Professor In-charge, SAI Labs
(Authorized Signatory)

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 - In case any reconfirmation of contents of the test report is required, please contact the authorized signatory of the test report within 15 days of the issue of test report.

STP: Balloke-2 Capacity 105 MLD



Sophisticated Analytical Instruments Laboratories

Society (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)

Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/657	Date:	01.02.2024
Service No.	NN/23-24/657(01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Balloke, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 105 MLD Balloke		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet 105 + 60 MLD Balloke 02- Outlet 105 MLD Balloke		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any); Standard/Specification	--		
Mode of sampling/ Environmental condition during transport	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate		
Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.1.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	pH at 25°C	APHA 23rd Edn.4500-H+B:2017	--	6.9	7.5	6.5 to 9.0	6.5 to 8.5
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd. Edn.2540-D:2017	mg/l	685	<10	500	≤10
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B:2017	mg/l	963	16	500	≤50
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1993, Reaffirmed 2019	mg/l	215	<5.0	250	≤10
5	TKN as N	APHA 23rd. Edn. 4500 Norg B :2017	mg/l	38.1	4.92	45	≤10
6	Ammonical Nitrogen as N	APHA 23rd. Edn. 4500 NH3N:1017	mg/l	30.3	2.88	--	≤5
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	6.4	<0.20	7	≤1

Page 1 of 2

Dr. M. Chhibber
Professor In-charge, SAI Labs
(Authorized Signatory)

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STP: Balloke-2 Capacity 105 MLD



Sophisticated Analytical Instruments Laboratories

Society (Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)

Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/657	Date:	01.02.2024
Service No.	NN/23-24/657(01-02)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Balloke, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 105 MLD Balloke		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01- Inlet 105 + 60 MLD Balloke 02 Outlet 105 MLD		
Quantity/number of samples	5 liter each / 2		
Sampling Procedure (if any), Standard/Specification	--		
Mode of sampling/ Environmental condition during transport	--		
Test parameters	Faecal Coliform		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results		Limits as per Design build operate transfer (DBOT)	
				01	02	Inlet	Outlet
1	Faecal Coliform	APHA 23 rd Edn. 9221E:2017	MPN/100ml	17X10 ⁶	<1.8	1X10 ⁷	≤230

Page 2 of 2

.....End of the report.....

Dr. M. Chhibber

Professor In-charge, SAI Labs

(Authorized Signatory)

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 4. In case any reconfirmation of contents of the test report is required, please contact the authorized signatory of the test report within 15 days of the issue of test report.

STP: Balloke-3 Capacity 60 MLD



Sophisticated Analytical Instruments Laboratories

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Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/658	Date	01.02.2024
Service No.	NN/23-24/658(01)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Bhattian, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 60 MLD STP Balloke		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01 - Outlet 60 MLD Balloke		
Quantity/number of samples	5 liter / 1		
Sampling Procedure (if any), Standard/Specification	--		
Mode of Sampling/ Environmental condition during transport	--		
Test parameters	pH, TSS, COD, BOD, TKN, Ammonical Nitrogen, Total Phosphate		
Method followed	As mentioned below		
Deviations (if any)	--		
Documents constituting this report (if any)	--		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	31.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results	Limits as per Design build operate transfer (DBOT)
				01	Outlet
1	pH at 25°C	APHA 23rd Edn.4500-H+B:2017	--	7.5	6.5 to 8.5
2	Total Suspended Solid (TSS) at 105°C	APHA 23rd. Edn.2540-D:2017	mg/l	<10	≤10
3	Chemical Oxygen Demand (COD)	APHA 23rd Edn. 5220B:2017	mg/l	<10	≤50
4	Biochemical Oxygen Demand for 3 days at 27°C (BOD)	IS: 3025 (Part 44)-1993, Reaffirmed 2019	mg/l	<5.0	≤10
5	TKN as N	APHA 23rd. Edn. 4500 Norg B. 2017	mg/l	2.40	≤10
6	Ammonical Nitrogen as N	APHA 23rd .Edn. 4500 NH3N:2017	mg/l	1.80	≤5
7	Phosphate as P	APHA 23rd. Edn. 4500-PC:2017	mg/l	<0.20	≤1

Page 1 of 2

Dr. M. Chhibber
Professor In-charge, SAI Labs
(Authorized Signatory)

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STP: Balloke-3 Capacity 60 MLD



Sophisticated Analytical Instruments Laboratories Society
(Registered as Society with Registrar of Firms & Societies, Punjab, Chandigarh)

Thapar Technology Campus, Bhadson Road, Patiala-147 004 (India)

TEST REPORT

Sample ID	NN/23-24/658	Date:	01.02.2024
Service No.	NN/23-24/658(01)	Customer's Ref.	Sample Submitted by Customer on dtd. 23.01.2024
Customer's name and address:			
M/s Khilari Infrastructure Pvt. Ltd.			
Bhattian, Ludhiana (Pb)			
Kind Attn: Mr. Gurmeet Singh			
Sample Description	Waste Water of 60 MLD STP Balloke		
Condition of the sample received	O.K.		
Customer's sample identification No. (if any)	01 - Outlet 60 MLD Balloke		
Quantity/number of samples	5 liter / 1		
Sampling Procedure (if any), Standard/Specification	-		
Mode of Sampling/ Environmental condition during transport	-		
Test parameters	Faecal Coliform		
Standard/Specification/Method followed	As mentioned below		
Deviations (if any)	-		
Documents constituting this report (if any)	-		
Date of Receipt of Job	Date of Completion of Job	Total Number of Pages	
24.01.2024	29.01.2024	2	

TEST RESULTS

S. No.	Parameters	Test Method	Unit	Results	Limits as per Design build operate transfer (DBOT)
				01	Outlet
1	Faecal Coliform	APHA 23 rd Edn, 9221 E:2017	MPN/100ml	<1.8	<230

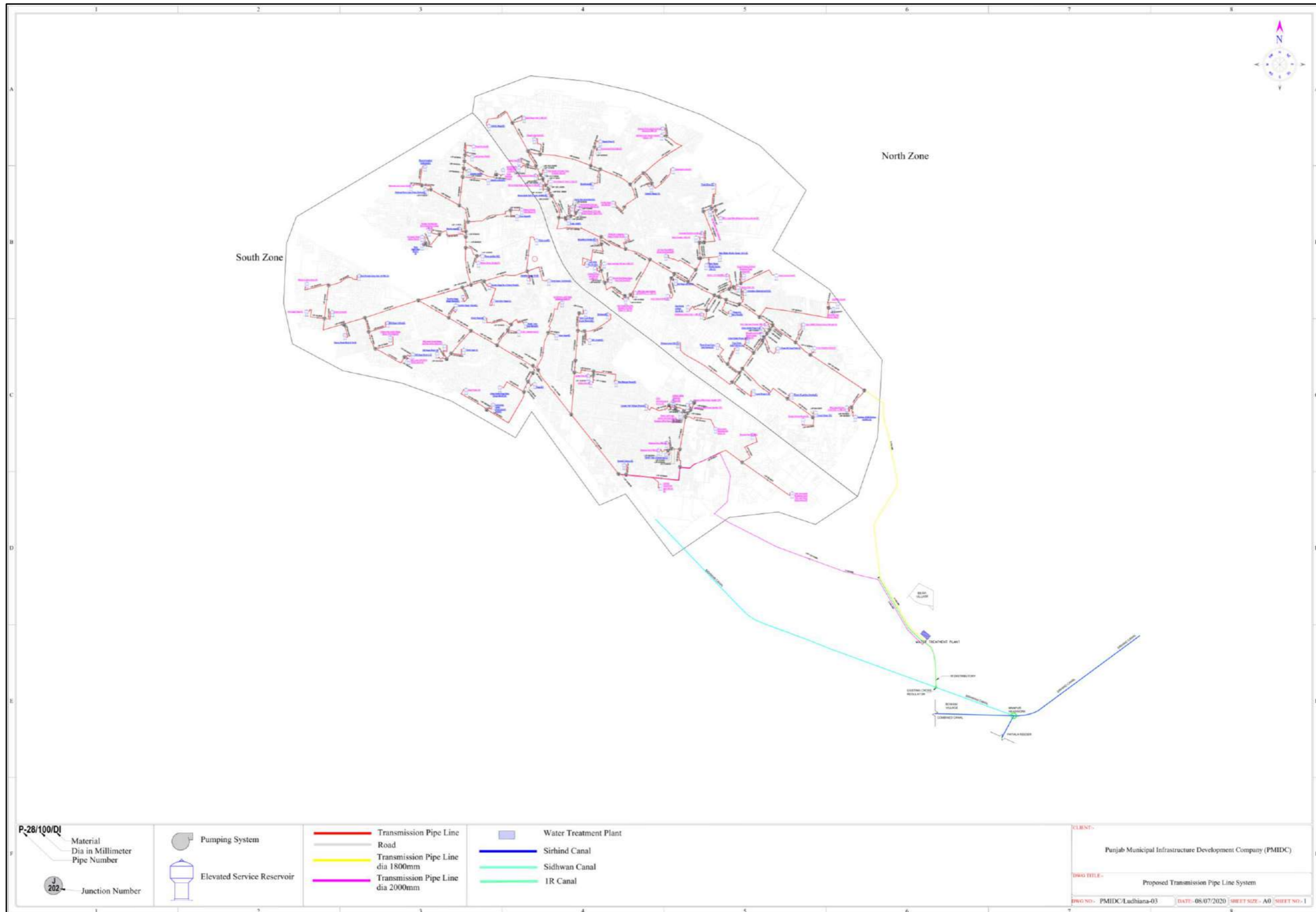
Page 2 of 2

..... End of the report.....

Dr. M. Chhibber
Professor In-charge, SAI Labs
(Authorized Signatory)



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Annexure 3: Integrated plan of the project area



Annexure 4: Memorandum of Understanding between WRD and MCL (MoU)

INDIA NON JUDICIAL Chandigarh Administration e-Stamp	
Certificate No.	: IN-CH36864270081882U
Certificate Issued Date	: 22-Aug-2022 10:45 AM
Certificate Issued By	: chrakum
Account Reference	: IMPACC (GV) chimp07/ E-SAMPARK SEC-35/ CH-CH
Unique Doc. Reference	: SUBIN-CHCHIMPSP0773056855300896U
Purchased by	: ARUN JALOTA
Description of Document	: Article 5 Agreement or Memorandum of an agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: COMMISSIONER MUNICIPAL CORPORATION LUDHIANA
Second Party	: CHIEF ENGINEER DEPARTMENT OF WATER RESOURCES PB
Stamp Duty Paid By	: COMMISSIONER MUNICIPAL CORPORATION LUDHIANA
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

Please write or type below this line:

No. PMDC/PD/M(P)/PMSIP/LDH/MOU/2022-23/5965: dated: 23.08.2022

Memorandum of Understanding

This **Memorandum of Understanding (MoU)** is made on the 23rd of the month of August, 2022 between: the **Commissioner, Municipal Corporation, Ludhiana**

Page 1 of 6

0006684430

MOU/2022-23/5965
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and the Chief Engineer, Department of Water Resources, Punjab with the General Manager (Project), Punjab Municipal Infrastructure Development Company (PMIDC) as counter signatory for guaranteed raw water supply that will be made available at the Water Treatment Plant, Village Bilga for Canal Based Water Supply Scheme in Ludhiana and roles & responsibilities of the Departments under the Punjab Municipal Services Improvement Project (PMSIP) - P170811.

A. Background

- 1) The Government of Punjab is implementing a project to provide Canal Based Water Supply to Ludhiana and Amritsar towns under Punjab Municipal Services Improvement Project (PMSIP) - P170811, with a total corpus of US\$ 300 million wherein 70% of the total cost shall be financed by the World Bank (50% - US\$ 105 Million) and the Asian Infrastructure Investment Bank - AIIB (50% - US\$ 105 Million) and 30% shall be contributed by the State Government (30% - US\$ 90 Million). The project focussed on four areas.
 - a) Strengthening urban service delivery systems (US\$17.8 Million),
 - b) Improving water supply infrastructure (US\$263.2 Million),
 - c) Covid-19 crisis response (US\$10 Million) and
 - d) Project Management (US\$8.5 Million)
- 2) Under Canal Based Water Supply Scheme for Ludhiana, 250 cusecs of water demand has been assessed, as per design i.e. 580 MLD upto 2055 (ultimate year) catering 29,35,000 projected population. The 250 cusecs of raw water has been proposed to be drawn from the 1R Distributary Canal, off-take from the Sidhwan Canal, which is a distributary of Sirhind Canal. The Department of Water Resources has already given their consent / NOCs for uninterrupted supply of 250 cusecs of raw water (except the forced closure period of 21 to 30 days once or twice a year for repair & maintenance of canals) to WTP at village Bilga, Ludhiana (minutes of the

meeting held on 25.11.2021 is attached as **Annexure-A)** The canal redesign should consider adequate buffer to manage variations in withdrawals by the WTP operator. Up to withdrawal point, water should be made available for 365 days except on days with extreme conditions where canal closure becomes inevitable.

B. Objective of this MoU

- 3) The MoU will cover issues such as guaranteed raw water supply of 250 cusec that will be made available, roles and responsibilities of Water Resources Department on operations and maintenance (O&M) of the canal, costs involved if any, assured quantity of water required to be achieved under the Project. This MOU provides a binding framework based on which the Water Resources Department and Municipal Corporation Ludhiana along with PMIDC will place adequate focus on providing guaranteed raw water

C. Scope of the MoU:

- 4) At present, 1R Distributary, having capacity 50 cusecs passing through the proposed WTP site, which is proposed to be enhanced from 50 cusecs to 300 cusecs (250 cusecs for this project + 50 cusecs or more to meet fluctuations in existing irrigation demand) by the Department of Water Resources after re-modelling and strengthening. Further, as proposed by the Department of Water Resources, the following steps shall be taken to ensure uninterrupted supply of 250 cusecs of raw water for 365 days a year.
- a) The Department of Water resources undertake improvements required to ensure 250 cusecs drinking water in Ludhiana. Cost optimisation is critical. General improvements proposed may not be fully financed by the project. The financing shall be strictly limited to improving capacity from off take and to protect the branch canal.

- b) Remodelling of required portion of Sirhind Canal for augmenting its capacity, in order to draw raw water for this project. Further, the supply of 250 cusec of raw water shall be ensured (except the forced closure period of 21 to 30 days once or twice a year for repair & maintenance of canals) to reach the WTP at Village Bilga for Canal Based Water Supply Scheme for Ludhiana City.
- c) The Water Resource Department agreed to rework the cost estimation for remodelling of canals portion, wherein not more than Rs 30.00 Cr shall be charged to this project (the cost estimates shall be reviewed and approved by the Department of Water Resources), as restricted by World Bank under PMSIP and the remaining amount, if any, will be claimed by the concerned Department from the State Govt.
- 5) The Department of Water Resource shall be solely responsible for carrying of operations and maintenance (O&M) of the canal for all time to come and the cost incurred for the same, shall also be borne by them.
- 6) The Department of Water Resources shall ensure the uninterrupted water supply except for closure period of 21 to 30 days once or twice a year of Sirhind Canal during which the Municipal Corporation Ludhiana will ensure sufficient water supply through tube wells. The Department of Water Resources shall also provide access to Water Supply staff of the Municipal Corporation for inspections of raw water facilities.
- 7) The Department of Water Resources shall inform the Municipal Corporation Ludhiana at least 15 days prior to the closure of Sirhind canal. All efforts should be made that the Canal closure period is minimum since the water drawn is to be used for drinking purposes for the residents of Ludhiana.
- 8) The Department of Water Resources shall depute an Executive Engineer and other required staff in the Project Implementation Unit (PIU) notified by the Department of Local Government, Punjab, as per directions of the

Department of Economic Affairs (DEA), Govt. of India and the World Bank. The relevant staff from the Department of Water Resources shall remain part of the PIU, Ludhiana, till the completion of works related to Department of Water Resources (as and when required) for uninterrupted raw water supply of 250 cusecs (except the forced closure period of 21 to 30 days once or twice a year for repair & maintenance of canals) The officer deputed in PIU will not be permanent and will be available as and when required. Since, this work is no longer to be carried out as a deposit work and by virtue of inclusion of an Engineer (not below the rank of the Executive Engineer) from the Department of Water Resource Department in the PIU, PMSIP (Ludhiana) to execute this project, the administrative charges of the Water Resource Department shall not be leviable on this project and a case to this effect shall be moved separately for confirming the same from the Competent Authority internally by the Water Resources Department.

- 9) In accordance with provisions of World Bank financing agreement, PIU Ludhiana shall tender the proposed works and manage the resulting contract.
- 10) All cost required for creating special infrastructure for release of water shall be borne by the Municipal Corporation Ludhiana.
- 11) Municipal Corporation Ludhiana will pay the Canal Water charges as fixed by Government of Punjab from time to time in order to avoid any termination of raw water from canal.
- 12) The parties to the MoU agree that -
 - a) any amendment to this MoU, shall be made after mutual consent in writing and approval from the Competent Authorities from the parties in agreement.

- b) any dispute under this MoU will be resolved by a committee consisting of the Principal Secretaries (or ACS as applicable) of the departments of Water Resources, Local Government and Finance.
- c) All the works undertaken meet safeguards and fiduciary compliance for the Punjab Municipal Service Improvement Project.



Chief Engineer Canals-1
Water Resources Department, Punjab
Chandigarh

Chief Engineer, Department of Water
Resources, Punjab

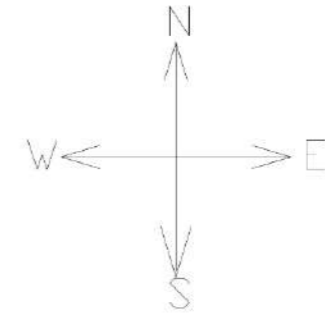
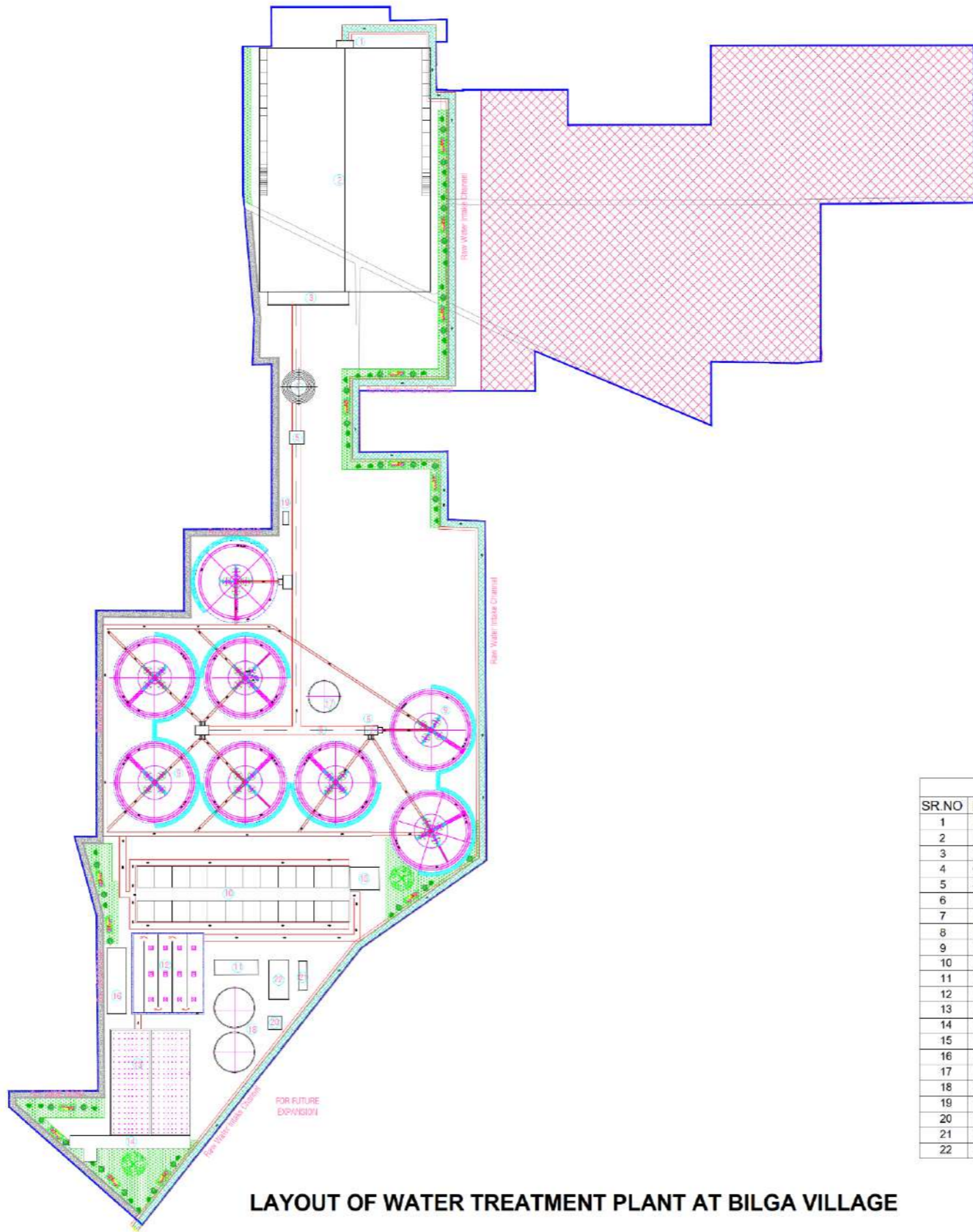

Commissioner
Municipal Corporation,
Ludhiana

Commissioner
Municipal Corporation, Ludhiana

For Punjab Municipal Infrastructure
Development Company


General Manager (Project)
for Chief Executive Officer,
Punjab Municipal Infrastructure Development Company,
Department of Local Govt.

Annexure 5: Layout of Water Treatment plant

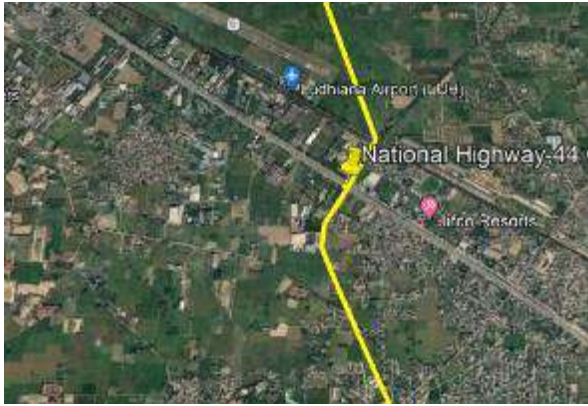
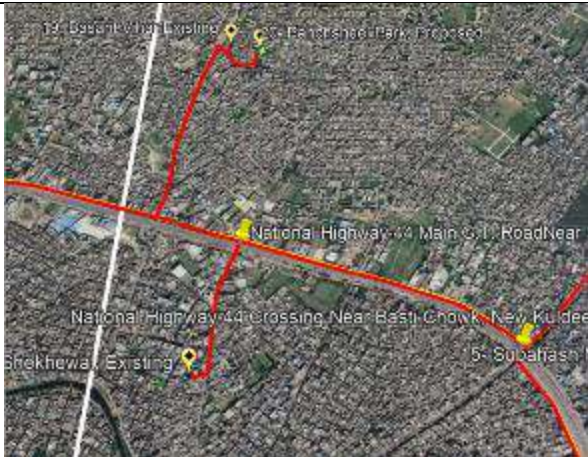




LIST OF UNITS			
SR.NO	DESCRIPTION	QTY	SIZE
1	Raw Water Intake Channel	01	1270m L x5m W x 1.6m SWD +0.5m FB
2	Raw Water Storage cum Pre-Settling Tank	01	186.0 m (l) x 130.00 m (w)x 6.0 m SWD
3	Raw Water Pump House	01	62m (l) x10m (w) x 6m (Ht)
4	Cascade Aerator	01	Dia=25.5m No of Steps=6
5	Stilling Chamber	01	11.0m(l) x10.0m (w) x 3.45 m SWD
6	Raw Water Open Channel With Parshall flume	01	6.6m (w) x 1.2 m SWD
7	Distribution Chamber	02	7m W x9.9m W L x3.2m SWD
8	Flash Mixer	08	4.4 m(l) x 4.4 m (w)x 3.3 m SWD
9	Clariflocculator	08	60 m dia x 3.5 m SWD +0.5 m FB
10	Filters (Rapid Sand gravity filters)	24	13.5mX16m x 3.50 m Ht
11	Backwash Wastewater Recycling tank	01	33m (l)x 11.5 m (w) x 3.5 m SWD
12	Chlorine Contact Tank	01	53.0 m (l) x 60.0 m (w)x 4.0 m SWD
13	Clear Water Reservoir	02	80m Long X 30m Wide X 5m swd + 0.5m FB
14	Clear Water Pump House	01	99L x10m x 6m Ht.
15	Filter Annex Building	01	22.55m x 17.6m x 5.0mH
16	Chlorine Tonner Yard	01	33m L x10m x 6m Ht.
17	Clarifier Sludge Sump cum Pump House	01	24.5 m (Dia) x 2.0 m swd.
18	Sludge Thickener	02	31.0 m (Dia) x 3.5 m swd
19	Thickener Supernatant Collection Sump	01	10 m x 4.1m x 3m swd
20	Thickened Sludge Collection Sump	01	10 m x 10 m x 3m swd
21	Centrifuge Building	01	22m x 6.5m x(2x5m)
22	Chemical House	01	29.7m x 15m x(2x5m)



LAYOUT OF WATER TREATMENT PLANT AT BILGA VILLAGE



Annexure 6: Details of the Transmission lines alignment Crossing with the State Highways, National Highways, Railways and Canals



1. Details of Transmission Line Crossing required across Roadways.



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
1.	National Highway-44 Crossing Grand Trunk Rd Nandpur Sahnewal, Punjab 141120	30°50'37.92"N, 75°57'38.98"E	1800	3.1	60	
2.	National Highway-44 Crossing Near Basti Chowk, New Kuldeep Nagar, Jodhewal Ludhiana, Punjab 144007	30°55'52.03"N, 75°52'13.22"E	700	2	60	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
3.	National Highway-44 Crossing Guru Arjun Dev Nagar Grand Trunk Rd, near Jalandhar Bypass, Thapar Nagar Ludhiana, Punjab 141008	30°56'12.83"N, 75°50'15.87"E	1000	2.3	60	
4.	National Highway-44 Crossing Main Road Jassian Vlg Rd Ludhiana, Punjab 141008	30°56'51.54"N, 75°49'43.47"E	500	1.8	60	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
5.	National Highway 44 Samraba Chowk	30°54'38.79"N, 75°52'46.06"E	400	1.7	60	
6.	National Highway 5 Ferozpur Rd Ludhiana, Punjab 141001	30°53'35.29"N, 75°48'21.63"E	700	1.9	30	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
7.	National Highway 5 Ferozepur Rd Aggar Nagar - B Block, Bhai Randhir Singh Nagar Ludhiana, Punjab 141001	30°53'13.35"N, 75°47'23.47"E	700	2	30	
8.	National Highway 5 Shamsher Avenue Opp-Rajguru Nagar crossing Ferozepur Rd Ludhiana, Punjab 141001	30°53'5.28"N, 75°47'0.59"E	500	1.8	30	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
9.	National Highway 5 Ferozepur Rd Aggar Nagar - B Block, Bhai Randhir Singh Nagar Ludhiana, Punjab 141001	30°53'35.33"N, 75°48'24.22"E	500	1.8	30	
10.	National Highway 5 Canal 4A/2, opp. Pakhowal Jodhan Road Ludhiana, Punjab 141013	30°53'10.52"N, 75°49'27.25"E	500	1.8	30	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
11.	National Highway 5 Dugri Rd D-Block, Atam Nagar, Model Town Ludhiana, Punjab 141003	30°52'37.54"N, 75°50'44.73"E	600	1.9	30	
12.	National Highway 5 Ferozepur Rd Maharaj Nagar Ludhiana, Punjab 141001	30°53'52.88"N, 75°49'12.96"E	600	1.9	30	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
13.	National Highway 5 Aarti Chowk Ghumar Mandi Rd Ghumar Mandi Ludhiana, Punjab 141001	30°54'1.60"N, 75°49'36.90"E	600	1.9	30	
14.	National Highway BSNL Telephone Exchange Road Civil Lines Ludhiana, Punjab 141001	30°54'15.30"N, 75°50'26.12"E	300	1.6	30	

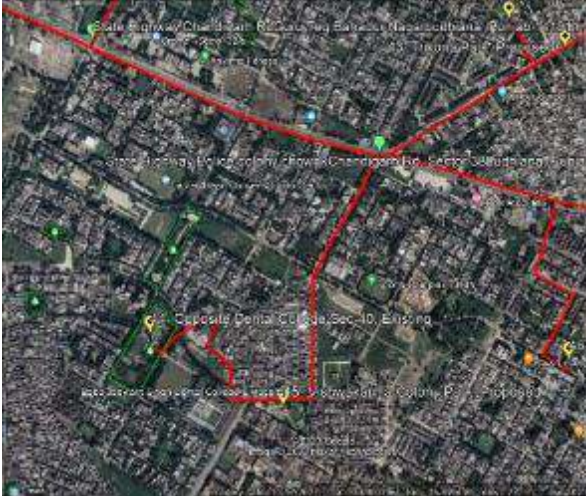

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
15.	National Highway-44 Main G.T. Road Near Sekhewall Road, Adjacent Coca Cola Godown, New Shiv Puri Ludhiana, Punjab 141007	30°56'4.24"N, 75°51'37.44"E	900	2.2	60	
16.	State Highway Crossing near Karabara Basti Ludhiana, Punjab 141008	30°55'55.03"N, 75°50'27.79"E	300	1.6	30	

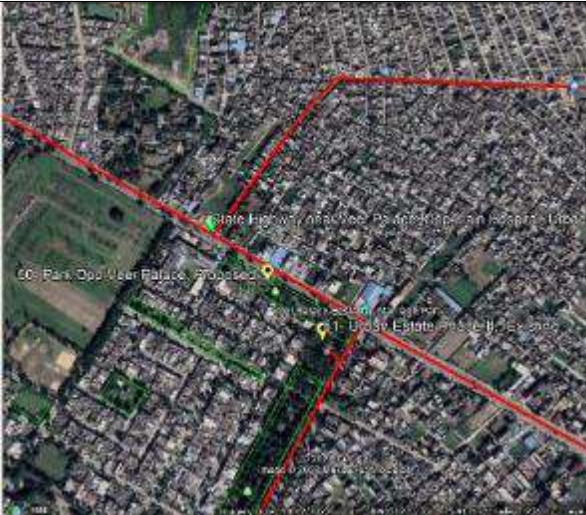
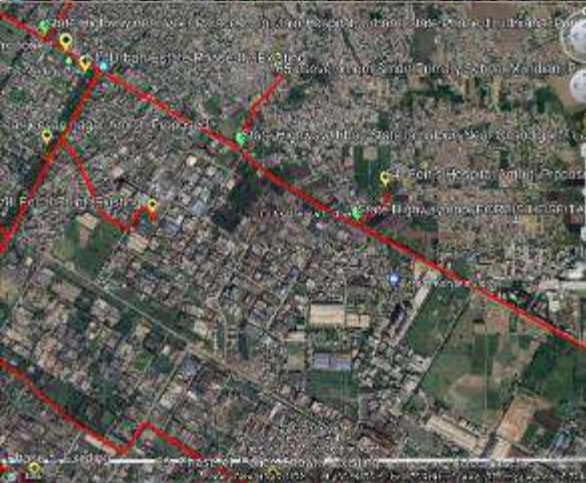
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
17.	Near Canal Bridge State Highway 11 Gill Rd, opp. I.T.I GATE, Shimlapuri Ludhiana, Punjab 141003	30°51'57.84"N, 75°51'33.06"E	700	2	30	
18.	State Highway 11 Link Rd Campa Cola Chowk, Sewak Pura, Miller Ganj Ludhiana, Punjab 141003	30°53'21.26"N, 75°51'30.11"E	500	1.8	30	

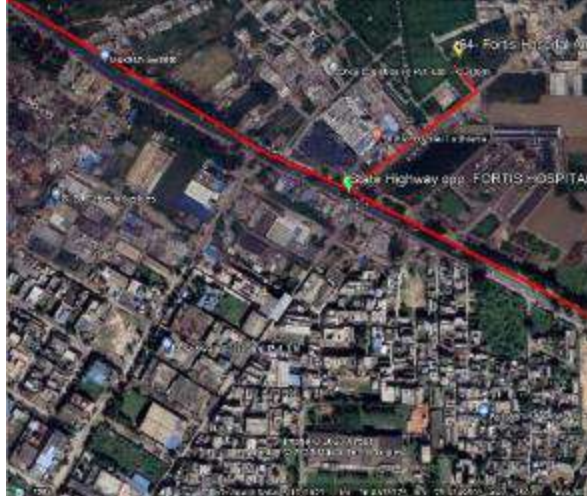

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
19.	State Highway 11 Cycle Market, Tagore Colony, Miller Ganj Ludhiana, Punjab 141003	30°53'36.99"N, 75°51'30.04"E	300	1.6	30	
20.	State Highway 20 Kitchlu Nagar, Haibowal Chowk, Viklang Hospital Civil Lines Ludhiana, Punjab 141001	30°54'58.47"N, 75°49'8.97"E	750	2.05	30	

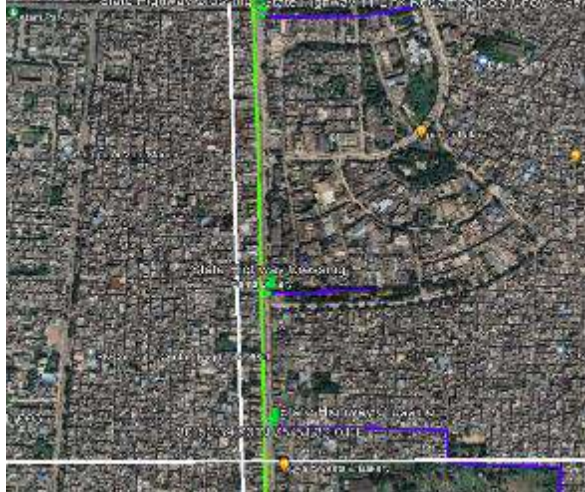
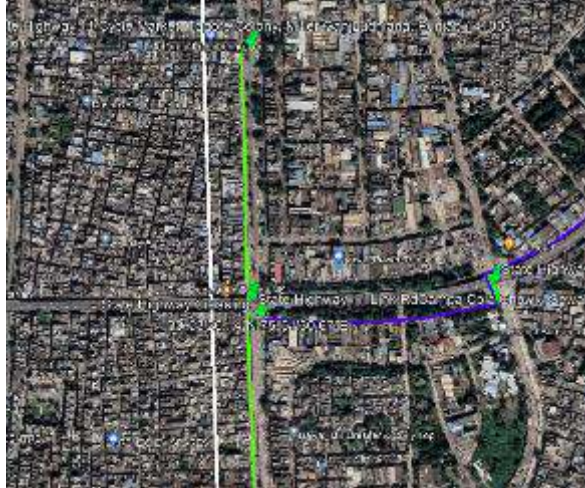
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
21.	State Highway Chauri Sarak 3 No. Division Chaura Bazar, Old Madhopuri Ludhiana, Punjab 141008	30°54'57.17"N, 75°51'46.14"E	600	1.9	30	
22.	State Highway Samrala Rd Near Shingar Cinema, New Shivaji Nagar, Harcharan Nagar Ludhiana, Punjab 141008	30°54'47.44"N, 75°52'15.84"E	500	1.8	30	


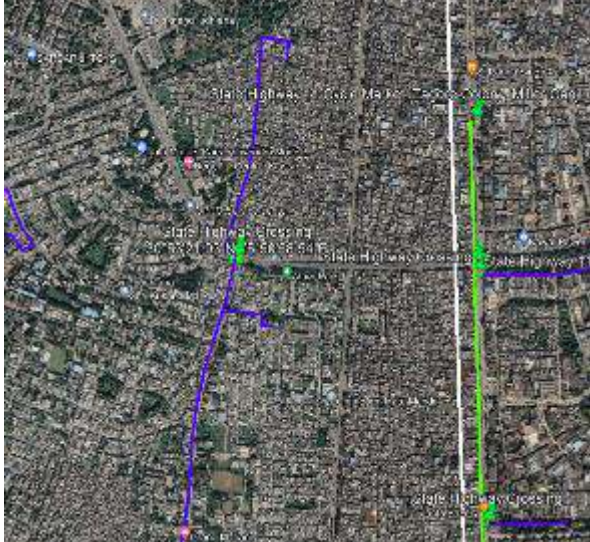
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
23.	State Highway Link Rd, near Cheema Chowk, Janakpuri Ludhiana, Punjab 141003	30°54'2.22"N, 75°52'26.93"E	500	1.8	30	
24.	State Highway Chandigarh Rd Guru Teg Bahadur Nagar Ludhiana, Punjab 141011	30°54'21.33"N, 75°53'32.05"E	400	1.7	30	

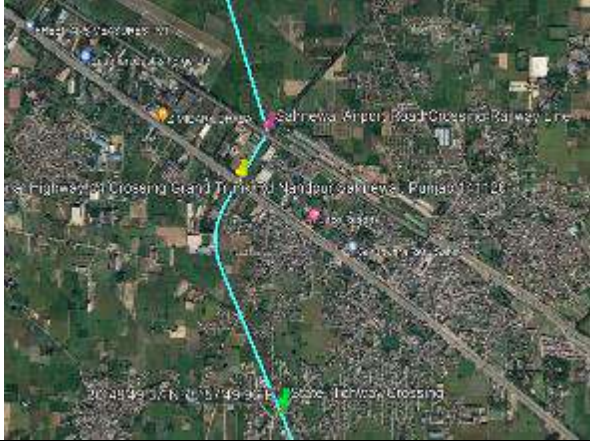
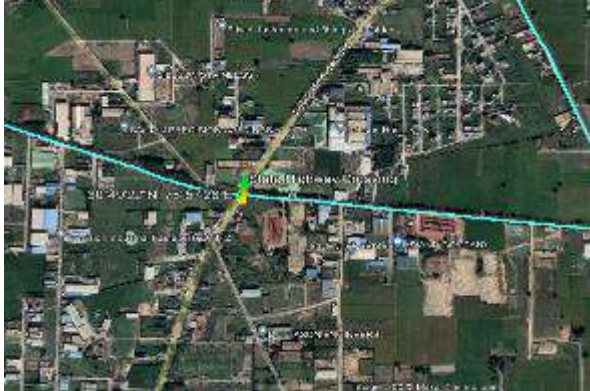
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
25.	State Highway Police colony chowk Chandigarh Rd, Sector 38 Ludhiana, Punjab 141010	30°54'10.29"N, 75°54'4.32"E	300	1.6	30	
26.	State Highway Chandigarh Rd Main Jamalpur Chowk, Urban Estate Phase 1, Jamalpur Ludhiana, Punjab 141010	30°54'3.85"N, 75°54'34.19"E	250	1.55	30	

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
27.	State Highway near Veer Palace, Opp. Jain Hospital, Urban Estate Phase-1 Ludhiana, Punjab 141010	30°53'51.64"N, 75°55'2.25"E	700	2	30	
28.	State Highway Urban State Near Jamalpur, Chandigarh Ludhiana Highway Ludhiana, Punjab 141014	30°53'31.77"N, 75°55'42.91"E	200	1.5	30	

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
29.	State Highway opp. Fortis Hospital Mundian Kalan Ludhiana, Punjab 141015	30°53'18.55"N, 75°56'6.88"E	200	1.5	30	
30.	State Highway Clock Tower Road	30°55'31.61"N, 75°50'45.65"E	150	1.45	30	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
31.	Gill Rd opp. Bharat Petrol Pump near Neeta Jewellers, Chet Singh Nagar Ludhiana, Punjab 141003	30°52'39.70"N, 75°51'32.01"E	700	2	24	
32.	Gill Road d Near Gill Chowk, Sewak Pura, Industrial Area-B Ludhiana, Punjab 141001	30°53'20.14"N, 75°51'30.67"E	500	1.8	24	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
33.	Gill Road, Jassal Auto Engineering Works Kartar Singh Sarabha Market Ludhiana, Punjab 141003	30°52'52.76"N, 75°51'31.67"E	500	1.8	24	
34.	Link Rd Atam Nagar, Model Town Ludhiana, Punjab 141002	30°53'21.93"N, 75°50'58.54"E	250	1.55	24	

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
35.	Dehlon Rd Sahnewal, Punjab 141120	30°49'49.37"N, 75°57'49.96"E	1800	3.1	12	
36.	Dehlon-Sahnewal Rd Sahnewal, Punjab 141120	30°49'23.31"N, 75°57'28.06"E	2000	3.3	12	

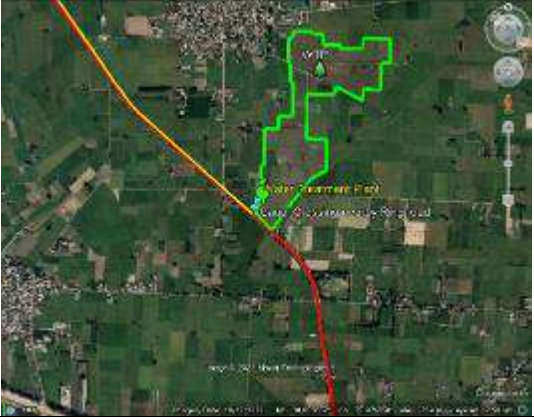

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Google imagery of the required crossing
37.	Partap Industrial Chowk, Ludhiana, Area-B Punjab 141003	30°53'22.32"N, 75°51'46.81"E	300	1.6	24	
38.	Jawaharnagar Camp, near bus stand Jawaharnagar, Ludhiana, Punjab 141002	30°53'55.99"N, 75°50'37.43"E	300	1.6	24	



2. Details of Transmission Line Crossing required across Railways.


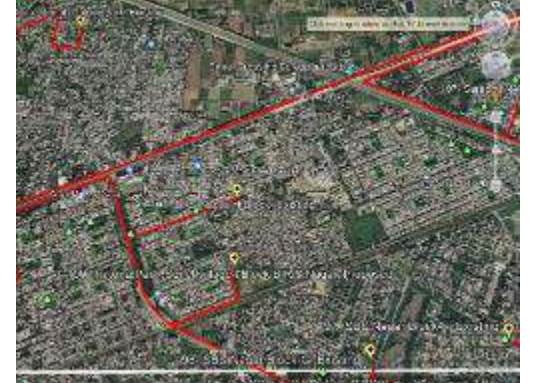
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
1.	Leisure Valley nearby Sidhwan Canal	30°53'14.42"N, 75°49'20.86"E	400	1.6	9	
2.	Sahnewal Airport Road Crossing Railway Line	30°50'48.03"N, 75°57'46.25"E	1800	3.1	25	



Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
3.	2, Focal Point	30° 52' 48.07" N, 75° 54' 23.21" E	300	1.6	2	
4.	Sidhwan canal Nirmal nagar, Dugri road Near, Dhuri railway line flyover Ludhiana, Punjab 141013	30°52'19.12"N, 75°51'9.03"E	1700	3	2	

3. Details of Transmission Line Crossing required across Canals.

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
1	Canal Crossing nearby Ring Road	30°48'6.87"N, 75°59'10.86"E	2000	3.3	3	
2	Sahnewal Dehlon ring road	30°49'19.76"N, 75°58'5.33"E	1800	3.1	3	

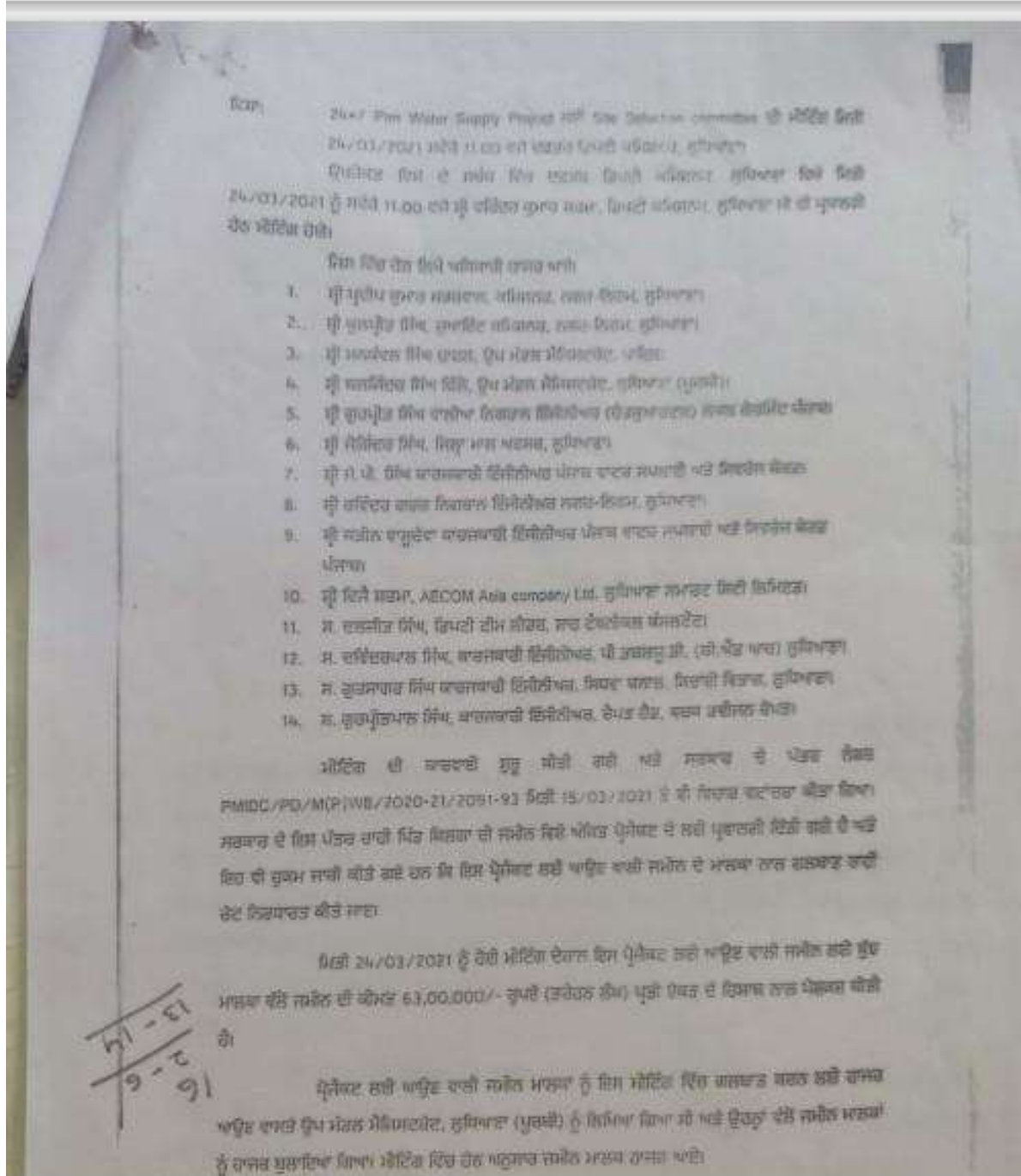
Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
3	Grand Trunk Rd Salem Tabri Ludhiana, Punjab 141008	30°55'42.06"N, 75°50'39.96"E	1100	2.4	30	
4	Grand Trunk Rd Salem Tabri Ludhiana,	30°55'40.90"N, 75°50'37.82"E	1100	2.4	30	

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
5	Shakti Vihar, Vivek Nagar, Haibowal Kalan Ludhiana, Punjab 141001	30°55'2.13"N, 75°49'10.35"E	600	1.9	30	
6	Canal Crossing Ferozpur road	30°53'35.41"N, 75°48'21.97"E	700	2	30	

Sr. No	Location	Co-ordinates	Diameter mm	Depth of Trench m	Length of crossing m	Picture
7	Model Town Extension, Model Town	30°53'10.25"N, 75°49'26.88"E	450	1.75	30	
8	Dugri Rd D-Block, Atam Nagar, Model Town Ludhiana, Punjab 141003	30°52'38.25"N, 75°50'45.38"E	600	1.9	30	

Annexure 7: Documentation and Details for the purchase of WTP Land, Gazette Notification

Minutes of Meeting held for Site Selection at Bilga Village and Finalizing the Prices of the Land. Meeting was attended by Officers and Landowners. (1/2)



Transcript of the Minutes of Meeting (1/2):

Subject: 24x7 Pan Water Supply Project Correct Site Selection Committee Only Voting Inside On 24/03/2021, a meeting was held under the chairmanship of Mr. Stud Deputy Commissioner and Mr. Ravinder Bhushan Mavi, MLA, in the presence of Superintendent Engineer CPWD and Chief Engineer (Monitoring) on 24/03/2021 at 11.00 AM.

In which the following officers are present:

1. Mr. Pradeep Kumar Satrwal, Commissioner Municipal Corporation, Ludhiana.
2. Mr. Kulpreet Singh, Joint Commissioner, Municipal Corporation of Ludhiana.
3. Mr. Mankanwal Singh Chahal, Sub Divisional Magistrate, Pyl
4. Mee Ghalnirv Ming Sisse, With Mandal Manimatvet, Suchitra (Bhutaghi).
5. Mr. Gurpreet Singh Walia Superintending Engineer (Headquarters) Lar Garment Panja
6. Si Melit Mint, Nishubham Suvi
7. ME N.P. Bhinth Baba
8. Shri Ravinder Garg Superintending Engineer Municipal Corporation of Ludhiana
9. Shri Jatin Vasudeva Executive Engineer Punjab Water Supply and Sewerage Board
10. M Dine Savabha, AECOM Asla company Ltd. Suvidhala mabhavat miti sibhita.
11. S. Daljit Singh, Deputy Team Leader, Respiratory Technical Consultant
12. S. Devinderpal Singh, Executive Engineer, P.W.D. (B&R) Ludhiana.
13. S. Gursagar Singh Executive Engineer, Sidhwa Kanal Irrigation Department, Ludhiana.
14. S. Gurpreet Pal Singh, Executive Engineer, Report Head Work Division Ropat.

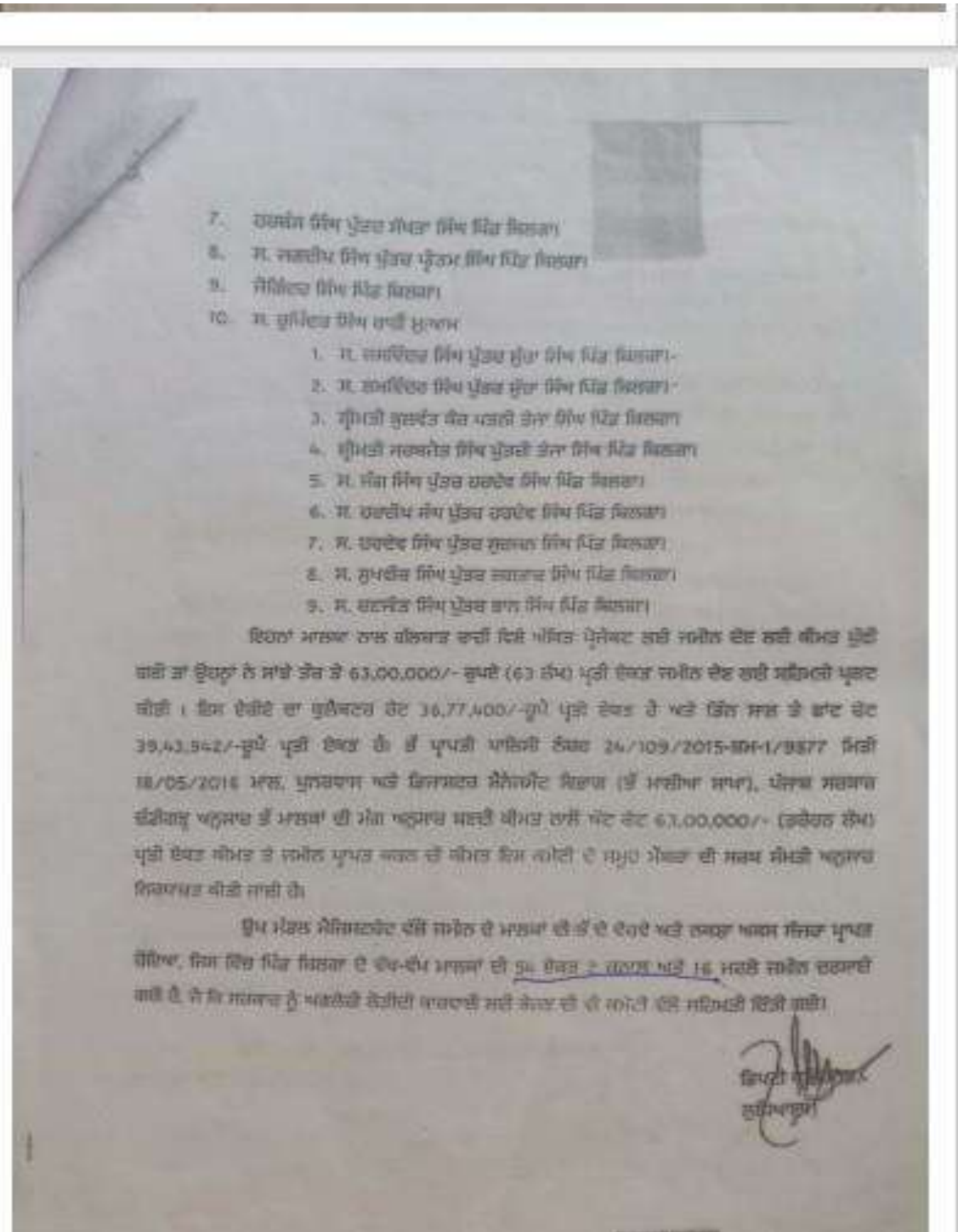
The meeting proceedings were initiated and the government letter number PMIDC/PD/M(P)WB/2020-21/2091-93 dated 15/03/2021 was reviewed. Approval for the project mentioned in the government letter has been granted for land in the village of Bilga. Orders have also been issued to determine the rate through negotiation with the landowners of the land coming for this project.

During the meeting held on 24/03/2021, some landowners offered a price of ₹63,00,000 (sixty-three lakh rupees) per acre for the land coming for this project.

A letter was written to the Sub Divisional Magistrate (SDM), Ludhiana (East), to invite the landowners for the upcoming project meeting and the landowners were summoned by the SDM. The following landowners attended the meeting:

1. S. Harjit Singh's son of Joginder Singh village Bilga.
2. S. Avtar Singh son of Morinder Singh Laga village.
3. Jugraj Singh's son of Niranjana Singh Village Bilga.
4. S. Charan Singh's son of Zorawar Singh will meet the village.
5. S. Amarjit Singh's son of Sampata Singh Village Miller
6. M. Richbhal Ramish Adv Bad Ming Pind Jas.
7. Harbans Singh son of Sakhta Singh Village Bilga
8. S. Jagdeep Singh son of Pritam Singh village Bilga.
9. Joginder Singh Village Bilga.
10. S. Through Rupinder Singh

Minutes of Meeting of Meeting held for Site Selection at Bilga Village and Finalizing the Prices of the Land. Meeting was attended by Officers and Landowners. (2/2)



Transcript of the Minutes of Meeting (2/2):

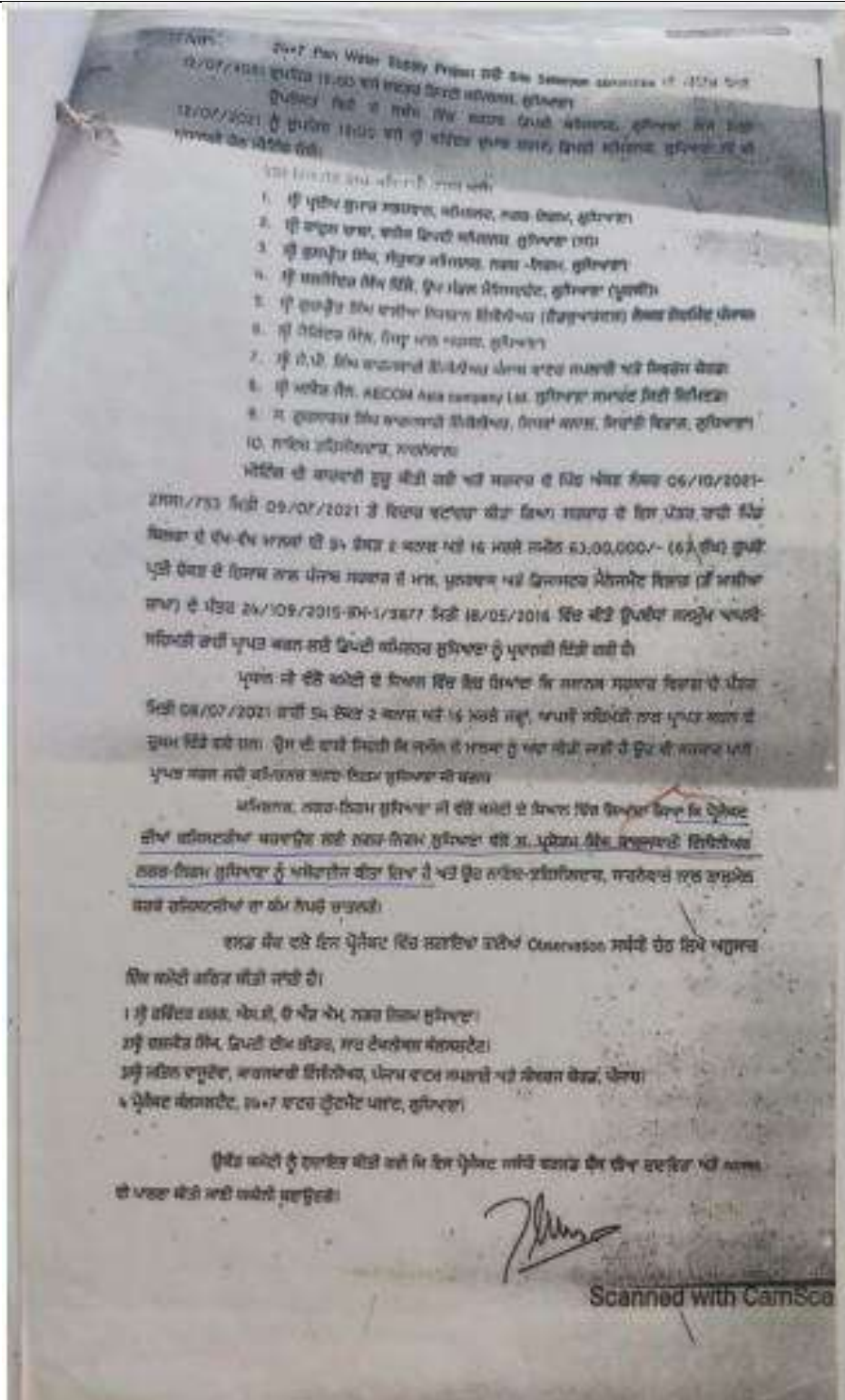
7. Harbans Singh son of Sakhta Singh Village Bilga.
8. M. Urban Mint Padach Bhindhb Ming Bhind Chilgan
9. Joginder Singh Village Bilga.
10. S. General through Rupinder Singh
 1. S. Jaswinder Singh son of Sucha Singh village Bilga.-
 2. S. Lakhwinder Singh son of Sucha Singh village Bilga.-
 3. Mrs. Kulwant Kaur wife Teja Singh Village Bilga.
 4. Mrs. Sarbjot Singh Daughter of Teja Singh Village Bilga.
 5. S. Jang Singh son of Hardev Singh village Bilga.
 6. S. Hardeep Sangh son of Hardev Singh village Bilga.
 7. S. Hardev Singh son of Surjan Singh village Bilga.
 8. S. Sukhveer Singh son of Jagtar Singh village Bilga.
 9. S. Ranjit Singh son of Bhan Singh Village Bilga.

Through conversation with these landowners, it was decided to acquire land for the mentioned project at a price of ₹63,00,000 (sixty-three lakh rupees) per acre. This price is higher than the collector rate of ₹36,77,400 per acre and the square feet rate of ₹39,43,942 per acre. The government department in charge of land revenue and disaster management (revenue branch) has stated that according to the landowners' demand, the land can be acquired at a price lower than the demanded price of ₹63,00,000 per acre.

The Sub Divisional Magistrate (SDM) receive' details and a map of the land from the landowners. The land area is specified as 53 acres, 2 kanals and 16 marlas, belonging to various landowners in the village of Bilga. The committee agreed to send this information to the government for further action.

Ludhiana

Minutes of Meeting of the Meeting held on 12/07/2021 at 12:00 PM in the office of the Deputy Commissioner, Ludhiana (1/2):



Transcript of the Minutes of Meeting (1/2):

24-7 Pan Water Supply Project Site Selection Committee

Meeting held on 12/07/2021 at 12:00 PM in the office of the Deputy Commissioner, Ludhiana

A meeting was held on 12th July 2021 at 12 PM under the chairmanship of Mr. Varinder Kumar Sharma, Deputy Commissioner, Ludhiana.

List of attendees at a meeting of the 2447 Pan Water Supply Project Correct Site Selection Committee

1. Mr. Pradeep Kumar Satrwal, Commissioner Municipal Corporation of Ludhiana.
2. Mr. Chahul Chasha, Additional Deputy Commissioner, Ludhiana (S).
3. Mr. Kulpreet Singh, Joint Commissioner, Municipal Corporation, Ludhiana.
4. Mr. Baljinder Singh Dhilo, Sub Divisional Magistrate, Ludhiana (East).
5. Shri Gurpreet Singh Walia Superintending Engineer (Headquarters) Local Government Punjabi
6. Mr. Joginder Singh, District Mall Aksar, Ludhiana.
7. Mr. J.P. Singh Executive Engineer Punjab Water Supply and Sewerage Board
8. Mee Bhalis Tel, AECOM Asia company Ltd. Suchimashta mavaunt miti civita
9. S. Gursagar Singh Executive Engineer, Sidhwan Kanal, Irrigation Department, Ludhiana.
10. Naib Tehsildar, Sahnewal.

The meeting proceedings were initiated and a review was conducted regarding the Government file number 06/10/2021-2SS1/753 dated 09/07/2021. Discussions were held on acquiring 53 acres, 2 kanals, and 16 marlas of land belonging to various owners in the village of Bilga, for ₹63,00,000 (sixty-three lakh rupees) per acre, with the consent of the Punjab Government Department of Revenue and Rehabilitation and Disaster Management (Revenue Branch).

Approval was granted to the Deputy Commissioner, Ludhiana, to acquire the aforementioned land through notification No. BD/3421/2015-UC-1/9877 dated 18/05/2016, for ₹36,77,400 (thirty-six lakh seventy-seven thousand four hundred) per acre, which is the collector rate.

The Chairman brought to the committee's attention that the Local Government Department vide their letter dated 08/07/2021 had ordered the acquisition of 53 acres, 2 kanals and 16 marlas of land with the mutual consent of the parties. The Commissioner of Municipal Corporation of Ludhiana was asked to take necessary steps to acquire the land and get the money released from the government for the landowners.

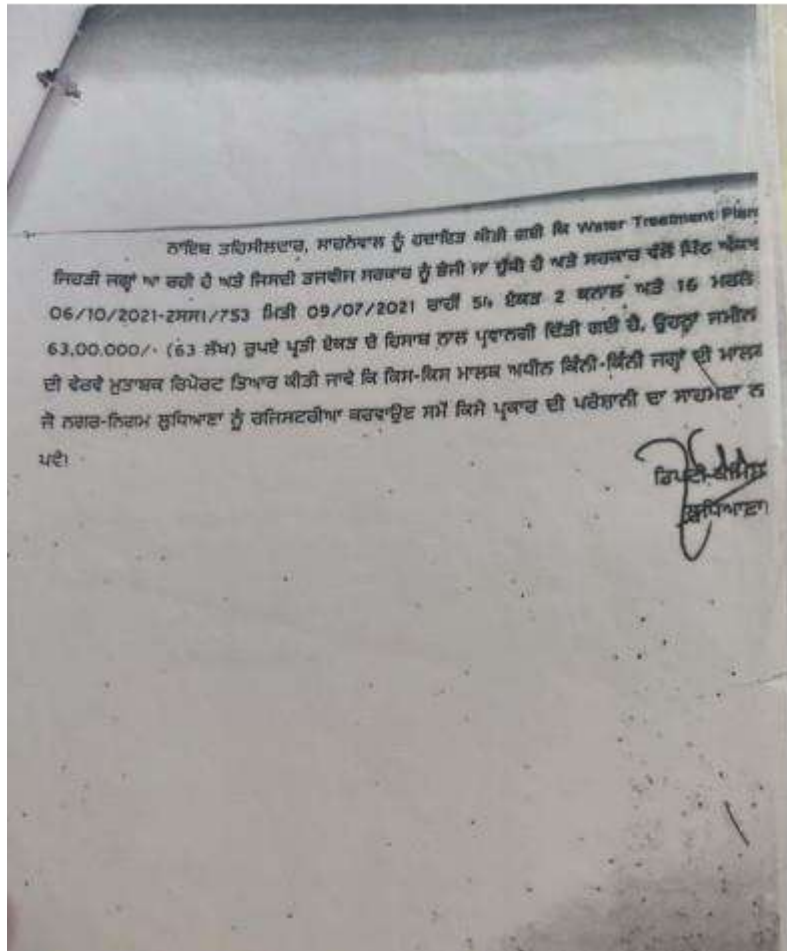
The Commissioner informed the committee that Sh. Parshottam Singh, Executive Engineer, Municipal Corporation of Ludhiana, has been authorized to get the registries done for the project. He will coordinate with the Naib Tehsildar Sahnewal to get the registry work completed.

A committee is formed as per the following regarding the observations made by the World Bank in this project.

- 1 Mr. Ravinder Garg, SE, O&M, Municipal Corporation of Ludhiana.
2. Mr. Daljit Singh, Deputy Team Leader, Respiratory Technical Consultant.
3. Mr. Jatin Vasudeva, Executive Engineer, Punjab Water Supply and Sewerage Board, Punjab.
4. Project Consultant, 24*7 Water Treatment Plant, Ludhiana.

The said committee was instructed to ensure that the guidelines and norms of the World Bank regarding this project are followed.

Minutes of Meeting of the Meeting held on 12/07/2021 at 12:00 PM in the office of the Deputy Commissioner, Ludhiana (2/2):



Transcript of the Minutes of Meeting (2/2):

Deputy Commissioner, Sahnewal has been instructed to prepare a report according to the details of the land coming for the Water Treatment Plant project, whose proposal has already been sent to the government and has been approved by the government for ₹63,00,000/- (sixty-three lakh rupees) per acre. The land belongs to whom and how much land does each owner have.

Transcript of the Minutes of Meeting:

Regarding the purchase of a WTP site to provide 24X7 drinking water supply to city residents.

A request is hereby made in connection with the aforementioned subject that the government accord approval to Deputy Commissioner Ludhiana for acquiring 53 acres 2 kanals and 16 marlas of land situated in village Bhawan Khurd, Ludhiana, measuring Khasra No. 8.06/10/2021-2M1/753, measuring Khasra No. 09.07.2021, for Rs. 63 lakh per acre by mutual consent, in accordance with the provisions made in the letter No. 24/109/2015-M-1/9877 dated 18.05.2016 of the Department of Revenue, Rehabilitation and Disaster Management (Land Revenue Branch) of Punjab Government. The amount payable by Deputy Commissioner Ludhiana to the landowners for this project should be obtained from the government and the registries should be done. In this regard, Commissioner Municipal Corporation of Ludhiana has been authorized by the undersigned to get the registries of this project done. The approval for this project was granted vide resolution no. 203 dated 10.11.2020 of the Municipal corporation House.

To get the registries done for this project, a total land area of 53 acres, 2 kanals and 16 marlas has been received from the revenue department with details of various owners. As per the detailed report, its value is Rs. 34,17,35,070/- and stamp duty amounting to Rs. 76,89,039/- would come on these registries. The total amount comes to Rs. 34,94,24,109/-. Therefore, it is recommended that approval be granted for getting the aforementioned registries done and for paying the amount to the landowners as per their due area.

Project 1/8/21



ਪੰਜਾਬ ਪੰਜਾਬ PUNJAB

ਦਸੀਕਾ ਮੁਖਤਿਆਰ ਨਾਮਾ ਆਮ

ਦਸਤਖਤ ਮੇਰੇ ਹਸਿਲਦਾਰ ਸਾਹਿਬ, ਪਾਇਲ ।

ਅਕਾਲਮ 1000 ਰੁਪੇ ਵਿੱਚ 2

Handwritten notes in the left margin: 'ਦਸਤਖਤ ਮੇਰੇ ਹਸਿਲਦਾਰ ਸਾਹਿਬ, ਪਾਇਲ' and '2004-2005'.

ਮੈਂ ਲਖਵਿੰਦਰ ਕੌਰ ਪੁੰਨੀ ਮੁੱਢਲੀ ਸਿੰਘ ਪਿੰਡ ਚਿਕਰਾ ਸਿੰਘ ਪਿੰਡ ਬਿਲਗਾ ਰਾਜ ਪਤਨੀ ਮਨਜ ਸਿੰਘ ਪਿੰਡ ਮੁਕਤੀ ਮੁਕਤ ਰਾਜਸਿੰਘ ਪਾਇਲ ਨਿਲਾ ਲੁਧਿਆਣਾ ਦੀ ਹਾਂ

ਜੋ ਕਿ ਮੈਂ ਉਸਦੇ ਹਕੂਮਤ ਨੰਬਰ 60 ਸਾਲ ਦੀ ਹਾਂ । ਮੈਂ ਗਰੀਬ ਗਰਾਮੀ 53 ਕੁਟਾਲ 2 ਮਰਲੇ ਹਾਂ । 32 ਹਿੱਸਾ ਖਕਰਦਾਰ

1 ਦਾਨਾਲ 13 ਮਰਲੇ ਖੋਰਾ ਨੰਬਰ ਨ 37 / 6, 215-71, 14, 2 211-41, 15-7 41, 24 11, 1 / 212-9, 11, 2 / 112-6), 20 / 110-14, 20 210-151, 43 7 / 116-18, 17 1 / 210-101, 14, 8-01, 15-8-01, 16 / 112-41, 38010-51, 55110-41, 43 5 / 2 7 2 ਵਿੱਚ 15 ਖਾਤਾ ਨੰਬਰ 404 452, 453 ਯਮਥਲੀ 2004-2005 ਵਾਰਿਆ ਰਕਮ ਪਿੰਡ ਬਿਲਗਾ ਹੁਣ ਖਸਤ ਨੰਬਰ 220 ਭਰਿਸੀਲ ਦਾ ਨਿਲਾ ਲੁਧਿਆਣਾ ਦੀ ਖਾਸਕ ਦਾ ਕਾਰਜ ਹਾਂ ਮੈਂ ਉਕਤ ਪਰਾਪਰਟੀ ਨੂੰ ਵਰਣਾ ਚਾਹੁੰਦੀ ਹਾਂ ਕਿਸ ਖਬਰੀ ਮੇਂ ਖਰਾ ਕਾਰਵਾਈ ਦਾ ਪੇਰਵਾਈ ਨਹੀਂ ਕਰ ਸਕਦੀ । ਇਸ ਲਈ ਮੈਂ ਆਪਣੇ ਵਲੋਂ ਆਪਣੇ ਸਬੰਧਤਾ ਮੈਂ ਲਖਵਿੰਦਰ ਸਿੰਘ ਪਿੰਡ ਚੋਚਾ ਸਿੰਘ ਪਿੰਡ ਚਿਕਰਾ ਸਿੰਘ ਪਿੰਡ ਬਿਲਗਾ ਰਾਜ ਦਾਸੀ ਐਚ 2 411 ਫੋਜ 9 ਮੋਹਾਲੀ ਨੂੰ ਆਪਣਾ ਮੁਖਤਿਆਰ ਆਮ ਮਕਰਰ ਕਰਕੇ ਆਪਣੀ ਸਹੀ ਖੋਜ ਦੀ ਕਾਇਮੀ ਦੇ ਨਾਲ ਅਧਿਕਾਰ ਦਿੰਦੀ ਹਾਂ ਕਿ ਮੁਖਤਿਆਰ ਆਮ ਮਸਕੂਰ ਮੋਰੀ ਉਪਰੋਕਤ ਸਾਹਿਬਾਦ ਨੂੰ ਵੱਖਰ ਸਬੰਧੀ ਵਿਕਰਾਰ ਨੇਮਾ ਕਰਕੇ ਬਿਆਨਾ ਵਜੂਲ ਕਰੇ ਹਸਿਲਦਾਰੀ ਕਰਾਉਣ ਲਈ ਖਜਾਨੇ ਤੋਂ ਅਕਰਾਰ ਖੁੱਲਾ ਕਰ ਅਧਿਕਾਰ ਖਰਾਬ ਹੋਣ ਦੀ ਮੁਰਤ ਵਿੱਚੋਂ ਅਸਟਮ ਵਾਰੀਸ ਖਜਾਨਾ ਕਰਕੇ ਰਿੰਦਬ ਦੀ ਰਕਮ ਹਸੀਦ ਦੇਖੇ ਵਜੂਲ ਕਰਣ ਦੁਰਮਾਮਤ ਹਰ ਵਿਸਮ ਹੋਣੇ ਬਿਕਰਾਨ ਹਲਦੀ ਲਿਖਣ ਰਾਜੀਨਾਮਾ ਕਰਣੇ ਸਾਲਸ ਨੀਮਤ ਕਰਣੇ ਵਕੀਲ ਖੋਰਿਸਟਰ ਮੁਖਤਿਆਰ ਕਾਨੂੰਨੀ ਅਤੇ ਖਾਮ ਪੇਰਵੀ ਲਈ ਮਕਰਰ ਕਰਣੇ ਅਰਜੀ ਦਾਦਾ ਦਾ ਜਵਾਬ ਦਾਦਾ ਦਾਖਲ ਕਰਣੇ ਜਵਾਬ ਉਲ ਜਵਾਬ ਪੇਸ ਕਰਣੇ ਮਕਰਰਾ ਖਾਰਜ ਹੋਣ ਜਾਂ ਅਰਜ ਪੇਰਵੀ ਦੀ

ਲਖਵਿੰਦਰ ਕੌਰ

4/1/16 ਦੀ ਕਰਾਰੀ

भारतीय गैर न्यायिक
भारत INDIA

रु. 500



FIVE HUNDRED
RUPEES

पाँच सौ रुपये

Rs. 500

INDIA NON JUDICIAL

ਪੰਜਾਬ ਪੰਜਾਬ PUNJAB

B 332564

2

ਜ਼ਰੂਰ ਵਿੱਚ ਬਰਾਮਦਗੀ ਦੀ ਦਰਖਾਸਤ ਦੇਣ, ਉਕਤ ਪਰਾਪਤੀ ਸਬੰਧੀ ਹਰ ਤਰ੍ਹਾਂ ਦੇ ਦਸਤਾਵੇਜ਼ ਅਦਾਲਤ ਵਿੱਚ ਪੇਸ਼ ਕਰਨੇ ਵਾਪਸ ਲੈਣ। ਮੇਰੀ ਉਪਰੋਕਤ ਜਾਇਦਾਦ ਨੂੰ ਮੈਂ, ਗਰਿਟ, ਆਤਮ ਰਹਿਣ, ਹਿੰਬਾ, ਤਬਾਦਲਾ, ਤਕਸੀਮ, ਤਖ਼ਤੀਲ ਮਲਕੀਅਤ, ਰੱਖਿਆ ਯਾਨੀ ਹਰ ਤਰ੍ਹਾਂ ਨਾਲ ਮੁਕੱਬਲ ਕਰਨੇ ਜਾਂ ਬਦਲ ਨਕਦ ਜਾਂ ਆਪਣੇ ਨਾਮ ਦੇ ਕੇ ਡਰਾਈਟ ਬਣਾ ਕੇ ਵਸੂਲ ਕਰਨ ਹਰ ਮੁਕੱਬਲਾ ਪੁਲਿਸ, ਜੰਗਲਾਤ, ਜਿਲਾ ਪ੍ਰੀਸ਼ਦ, ਆਬਾਖਾਨੀ, ਬਿਲੀ ਫੋਰਡ, ਮਹਿਕਮਾ ਟਰਾਂਸਪੋਰਟ, ਵਿਨਕਮ ਟੈਕਸ, ਸਲੂਟ ਟੈਕਸ, ਨਗਰ ਕੌਂਸਲ, ਨਗਰ ਨਿਗਮ, ਕਾਰਪੋਰੇਸ਼ਨ, ਇਮਾਰਤ ਮੈਂਟੇਨੈਂਸ ਟਰੱਸਟ, ਪੁੱਤਾ, ਮਹਿਕਮਾ ਮਾਲ ਵਿੱਚ ਕਾਰਵਾਈ ਦਾ ਪੈਰਵੀ ਸੁਆਸ਼ ਦੇਹੀ ਕਰਨ, ਮੇਰੀ ਜਾਇਦਾਦ ਨੂੰ ਵੇਚਣ ਸਬੰਧੀ ਅੱਗੇ ਮੁਕੱਬਲਾ ਖਾਸ ਨਿਕਾਮ ਕਰਨੇ ਦਾ ਮੁਕੱਬਲਾ ਆਮ ਮਜ਼ਕਰ ਨੇ ਮੇਰੇ ਵਲ ਪੁਰਾ ਹੱਕ ਹਾਸਲ ਹੋਵੇਗਾ। ਮੁਕੱਬਲਾ ਆਮ ਮਜ਼ਕਰ ਮੇਰੀ ਉਪਰੋਕਤ ਜਾਇਦਾਦ ਵਾਰੇ ਹਰ ਤਰ੍ਹਾਂ ਦੀ ਕਾਰਵਾਈ ਪੈਰਵਾਈ ਕਰ ਸਕਦਾ ਹੈ ਪਰੰਤੂ ਇਸ ਤੋਂ ਇਲਾਵਾ ਮੇਰੀ ਕਿਸੇ ਹੋਰ ਜਾਇਦਾਦ ਵਾਰੇ ਕੋਈ ਵੀ ਕਿਸੇ ਕਿਸਮ ਦੀ ਕਾਰਵਾਈ ਪੈਰਵਾਈ ਨਹੀਂ ਕਰ ਸਕੇਗਾ। ਉਪਰੋਕਤ ਜਗ੍ਹਾ ਦਾ ਮੁਕੱਬਲਾ ਆਮ ਨਾਲ ਰੁਖਿਆ ਦਾ ਕੋਈ ਲੈਣ ਦੇਣ ਨਹੀਂ ਹੋਇਆ ਅਤੇ ਨਾ ਹੀ ਕਕਸਾ ਤਖ਼ਤੀਲ ਕੀਤਾ ਗਿਆ ਹੈ। ਮੁਕੱਬਲਾ ਆਮ ਮਜ਼ਕਰ ਦਾ ਕੀਤਾ ਹਰ ਕੰਮ ਮੈਨੂੰ ਮੰਜੂਰ ਕਰਨ ਹੋਵੇਗਾ ਜਿਸ ਦਾ ਕੀਤਾ ਕਰਿਆ ਮੇਰਾ ਆਪਣਾ ਕੀਤਾ ਸਮਝਿਆ ਜਾਵੇਗਾ। ਇਸ ਨਾਲੋਂ ਵਾਜ਼ਿਬਾ ਮੁਕੱਬਲਾ ਨਾਮ ਆਮ ਬਕਾਇਮੀ ਹੋਏ ਹਵਾਸ਼ ਲਿਖਾਇਆ ਕਿ ਸੰਨਦ ਰਹੇ। ਮਜ਼ਮੂਨ ਸਟ ਸਮਝਕੇ ਸਹੀ ਕੀਤਾ। ਮਿਤੀ 5-2-2010

ਗਵਾਹ
ਗੁਰਮ ਸਿੰਘ
ਨੰਬਰਦਾਰ
ਪਿੰਡ ਬਿਲਗਾ
ਟਿਕਾ ਨੰ

ਅਲਖਦ
ਮੈਂ ਲਖਵਿੰਦਰ ਕੌਰ
ਪੁੱਤਰੀ ਸੁੰਦਰ ਸਿੰਘ
ਉਪਰੋਕਤ

ਗਵਾਹ
ਜਗਰਾਜ ਸਿੰਘ
ਪੁੱਤਰ ਨਰੇਸ਼ਟ ਸਿੰਘ
ਪਿੰਡ ਬਿਲਗਾ

ਅਲਖਦ
ਜਸਵਿੰਦਰ ਸਿੰਘ
ਮੁਖ-ਆਮ

ਗਵਾਹ
ਮਾਨ ਸਿੰਘ
ਨੰਬਰਦਾਰ
ਪਿੰਡ ਘੁਡਾਈ ਪੁਰ
ਮਾਨ ਸਿੰਘ

ਲਖਵਿੰਦਰ ਕੌਰ Jaganj Singh JASWINDER SINGH
GARCHA

ਕੁਲਵੰਤ ਸਿੰਘ
Kulwant Singh
Dee-Writer
AYAL (Ludhiana)

ਸਰਕਾਰੀ ਕੰਮ

65th 1st Stage
ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ

CFA
ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ

SATJI KAUR
ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ



ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

Jaswinder Singh Garara

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ



ਸਰਕਾਰੀ ਕੰਮ
ਸਰਕਾਰੀ ਕੰਮ

ਸਰਕਾਰੀ ਕੰਮ

ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ

ਵੱਲ,

ਦੀ ਅਮਰਜੀਤ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸਖਤਾ ਸਿੰਘ
ਪਿੰਡ ਇਲਾਹਾ, ਤਹਿਸੀਲ ਸਾਹਨੇਵਾਲ,
ਜ਼ਿਲ੍ਹਾ ਲੁਧਿਆਣਾ।

ਵੱਲ,

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ (ਓ.ਐੱਫ.ਐਮ.),
ਚੇਨ-ਏ, ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ।

ਵਿਸ਼ਾ:-

ਨੰ: 923/XEN-(O&M) Zone-A / ਮਿਤੀ: 25/03/2022
ਸਰਕਾਰੀ ਵਿਭਾਗ ਦੇ ਨਾਮ ਵਸੀਕਾ ਰਜਿਸਟਰਡ ਹੋਣ ਤੇ ਸਟੈਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟਰੇਸ਼ਨ ਫੀਸ
ਦੇ ਸਬੰਧ ਵਿੱਚ ਹਦਾਇਤ ਸਬੰਧੀ।

ਹਵਾਲਾ:-


ਪੱਤਰ ਨੰ: 1428/ਡੀ.ਆਰ.ਏ./ਐਲ.ਏ.ਸੀ ਮਿਤੀ 25/03/2022.

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਦੇ ਧਿਆਨ ਵਿੱਚ ਲਿਆਂਦਾ ਜਾਂਦਾ ਹੈ ਕਿ ਆਪ ਦੀ ਜਮੀਨ ਜੋ ਕਿ 29 ਕਨਾਲ 11-1/2 ਮਰਲੈ ਹੈ ਅਤੇ ਜੋ ਕਿ ਸਥਾਨਕ ਸਰਕਾਰ ਵਿਭਾਗ, ਪੰਜਾਬ ਵੱਲੋਂ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਲਈ ਵਾਣਰ ਟ੍ਰੀਟਮੈਂਟ ਪਲਾਂਟ ਬਣਾਉਣ ਹਿੱਸੇ 2,32,90,312/- ਰੁਪਏ ਦੀ ਕੀਮਤ 'ਤੇ ਖਰੀਦੀ ਗਈ ਤੇ ਪੰਜਾਬ ਸਰਕਾਰ ਦੀ ਅਧਿਸ਼ਚਨਾ ਨੰ: 24/109/2015-ਭਸ-1/9877 ਮਿਤੀ 18-05-2016 ਵਿੱਚ ਖਰਸਾਈਆਂ ਰਈਆਂ ਹਦਾਇਤਾਂ ਦੇ ਲਈ ਨੰ: 04 ਵਿੱਚ ਇਹ ਸਮਝਣ ਕੀਤਾ ਗਿਆ ਹੈ ਕਿ :-

ਆਪਸੀ ਸਹਿਮਤੀ ਨਾਲ ਜਮੀਨ ਪ੍ਰਾਪਤ ਕਰਨ ਦੀ ਕਾਰਵਾਈ ਸੁਕਸਮ ਹੋਣ ਤੇ Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 ਵਿੱਚ ਦਰਸਾਏ ਕੰਮਾਂ ਦੀ ਲਾਭ ਮਿਲਣ ਯੋਗ ਨਹੀਂ ਹੋਣਗੇ. ਪੁੰਜੂ ਸੇਕਰ ਮੁਆਵਜ਼ੇ ਵਜੋਂ ਮਿਲੀ ਰਕਮ ਨਾਲ ਪੰਜਾਬ ਰਾਜ ਦੇ ਕਿਸੇ ਵੀ ਥਾਂ ਤੇ ਉੱਤਰੀ ਹੀ ਰਕਮ ਦੀ ਕੋਈ ਜਮੀਨ ਖ਼ੀਦੀ ਜਾਂਦੀ ਹੈ ਤਾਂ ਉਸਨੇ ਇਸ ਵਿਭਾਗ ਵੱਲੋਂ ਜਾਰੀ ਕੀਤੀ ਗਈ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: S.O. 42/C.A.2/1899/S.9/2008, ਮਿਤੀ 24/06/2008 ਅਤੇ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: S.O. 43/C.A.16/1968/Ss.78 and 79/2008, ਮਿਤੀ 24/06/2008 ਅਧੀਨ ਕ੍ਰਮਵਾਰ ਸਟੈਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟਰੇਸ਼ਨ ਫੀਸ ਤੋਂ ਮੁਆਫੀ ਹੋਵੇਗੀ। ਸਰਕਾਰੀ ਵਿਭਾਗ ਦੇ ਨਾਮ ਵਸੀਕਾ ਰਜਿਸਟਰਡ ਹੋਣ ਤੇ ਹੀ ਸਟੈਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟਰੇਸ਼ਨ ਫੀਸ ਤੋਂ ਮੁਆਫੀ ਹੋਵੇਗੀ।

ਇਸ ਲਈ ਪੰਜਾਬ ਸਰਕਾਰ ਵੱਲੋਂ ਜਾਰੀ ਕੀਤੀ ਅਧਿਸ਼ਚਨਾ ਮਿਤੀ 2016 ਖੰਡਰ ਨੰਬਰ 24/109/2015-ਭਸ-1/9877 ਮਿਤੀ 15/05/2016 ਅਨੁਸਾਰ ਖ਼ੀਦ ਕੀਤੀ ਗਈ ਜਮੀਨ ਖ਼ਰੀਦੇ ਤਰਾਨੂੰ ਅਗੇ ਜਮੀਨ ਦੀ ਖ਼ੀਦ ਕਰਨ ਲਈ ਸਟੈਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟਰੇਸ਼ਨ ਫੀਸ ਤੋਂ ਛੁੱਟ ਦੇਣ ਸਬੰਧੀ ਪੱਤਰ/ਸਰਟੀਫਿਕੇਟ ਜਾਰੀ ਕੀਤਾ ਜਾਂਦਾ ਹੈ।

Rubinder Singh


ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਚੇਨ-ਏ
ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ।

Copy of Gazette Notification

ਪੰਜਾਬ ਸਰਕਾਰ
ਮਾਲ, ਪੁਨਰਵਾਸ ਅਤੇ ਡਿਜ਼ਾਸਟਰ ਮੈਨੇਜਮੈਂਟ ਵਿਭਾਗ
(ਭੋ-ਮਾਲੀਆ ਸ਼ਾਖਾ)

ਅਧਿਸ਼ਚਨਾਂ

ਚੰਡੀਗੜ੍ਹ, ਮਿਤੀ

ਮਈ, 2016

ਨੰ: 24/109/2015-ਭਮ-1/ 9877

18-5-16

The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 ਮਿਤੀ 01.01.2014 ਤੋਂ ਲਾਗੂ ਹੋਇਆ ਹੈ। ਇਸ ਐਕਟ ਅਧੀਨ ਜਮੀਨ ਪ੍ਰਾਪਤ ਕਰਨ ਦੀ ਲੰਬੀ ਪ੍ਰਕਿਰਿਆ ਹੈ, ਜਿਵੇਂ ਕਿ ਸੋਸਲ ਇੰਪੈਕਟ ਸਟੱਡੀ ਕਰਵਾਉਣਾ/ਇਸ ਨੂੰ ਪ੍ਰਕਾਸ਼ਤ ਕਰਵਾਉਣਾ/ ਨੋਟੀਫਿਕੇਸ਼ਨ ਜਾਰੀ ਕਰਨੇ, ਰੀਹੈਬਲੀਟੇਸ਼ਨ ਅਤੇ ਰੀਸੈਟਲਮੈਂਟ ਸਕੀਮ ਆਦਿ। ਇਸ ਤਰ੍ਹਾਂ ਐਕਟ ਤਹਿਤ ਪੂਰੀ ਕਾਰਵਾਈ ਮੁਕੰਮਲ ਹੋਣ ਤੇ ਕਾਫੀ ਖਰਚਾ ਹੁੰਦਾ ਹੈ ਅਤੇ ਸਮਾਂ ਵੀ ਵੱਧ ਲੱਗਦਾ ਹੈ। ਇਸ ਸਥਿਤੀ ਨੂੰ ਮੁੱਖ ਰੱਖਦਿਆਂ ਵੱਖ-ਵੱਖ ਵਿਭਾਗਾਂ/ਉਨ੍ਹਾਂ ਅਧੀਨ ਆਉਂਦੇ ਨਿਰੋਲ ਸਰਕਾਰੀ ਅਦਾਰਿਆਂ ਵਲੋਂ, ਭੋ ਮਾਲਕਾਂ ਤੋਂ ਸਿੱਧੇ ਤੌਰ ਤੇ ਜਮੀਨ ਐਕੁਆਇਰ ਕਰਨ ਲਈ ਪਾਲਿਸੀ/ਹਦਾਇਤਾਂ ਹੇਠ ਅਨੁਸਾਰ ਕੀਤੀਆਂ ਜਾਂਦੀਆਂ ਹਨ :-

(1) ਜਦੋਂ ਵੀ ਕਿਸੇ ਸਰਕਾਰੀ ਵਿਭਾਗ ਵੱਲੋਂ ਕੋਈ ਵੀ ਜਮੀਨ ਕਿਸੇ ਪਬਲਿਕ ਮੰਤਵ ਲਈ ਆਪਸੀ ਸਹਿਮਤੀ ਨਾਲ ਐਕੁਆਇਰ ਕਰਨ ਦੀ ਲੋੜ ਹੋਵੇ ਤਾਂ ਸਬੰਧਤ ਜਿਲ੍ਹੇ ਦੇ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਨੂੰ ਪ੍ਰਾਪਤ ਕੀਤੀ ਜਾਣ ਵਾਲੀ ਜਮੀਨ ਦੇ ਵੇਰਵੇ ਅਤੇ ਇਸ ਦੀਆਂ ਜਮਾਬੰਦੀਆਂ, ਅਕਸ ਸਜਰਾ ਦੀ ਕਾਪੀਆਂ ਆਦਿ ਸਹਿਤ ਤਜਵੀਜ਼ ਪੇਸ਼ ਕੀਤੀ ਜਾਵੇ। ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਵਲੋਂ, ਜਿਵੇਂ ਕਿ ਉਹ ਯੋਗ ਸਮਝਣ, ਇਸ ਤਜਵੀਜ਼ ਦੀ ਮਾਲ ਰਿਕਾਰਡ ਅਤੇ ਹੋਰ ਲੋੜੀਂਦੇ ਬਣਦੇ ਪੱਖਾਂ ਤੋਂ ਘੋਖ ਕਰਕੇ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਨੂੰ ਰਾਏ ਦਿਤੀ ਜਾਵੇਗੀ। ਇਸ ਸਬੰਧ ਵਿਚ ਅੰਤਿਮ ਫੈਸਲਾ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਵਲੋਂ ਹੀ ਲਿਆ ਜਾਵੇ।

(2) ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਵਲੋਂ ਜਮੀਨ ਦੀ ਚੋਣ ਸਬੰਧੀ ਫੈਸਲਾ ਲਏ ਜਾਣ ਤੋਂ ਬਾਅਦ ਜਮੀਨ ਦੀ ਕੀਮਤ ਦਾ ਮੁਲੰਕਣ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ ਵਲੋਂ ਕੀਤਾ ਜਾਵੇਗਾ। ਇਸ ਮੰਤਵ ਲਈ ਉਪਰੋਕਤ ਐਕਟ ਦੀ ਧਾਰਾ 26(1) ਅਧੀਨ ਮਾਰਕੀਟ ਰੇਟ ਫਿਕਸ ਕਰਨ ਉਪਰੰਤ ਧਾਰਾ 26(2) ਤਹਿਤ ਇਸ

ਵਿਭਾਗ ਵਲੋਂ ਜਾਰੀ ਕੀਤੀ ਗਈ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: 24/84/13-ਐਲ. ਆਰ.1/ 16196, ਮਿਤੀ 30.10.2014 ਰਾਹੀਂ ਨਿਸ਼ਚਿਤ multiplied factor ਧਿਆਨ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇਗਾ। ਜੇਕਰ ਜਮੀਨ ਤੇ ਕੋਈ ਫਸਲ ਬੀਜੀ ਹੋਈ ਹੈ, ਫਲ ਵਾਲੇ ਦਰਖਤ ਹਨ ਜਾਂ ਕੋਈ ਹੋਰ immovable property ਹੈ ਤਾਂ ਉਸਦੀ ਕੀਮਤ ਦਾ ਨਿਰਧਾਰਣ ਸਬੰਧਤ ਵਿਭਾਗ ਤੋਂ ਕਰਵਾਇਆ ਜਾਵੇਗਾ। ਇਸ ਤਰੀਕੇ ਨਾਲ ਫਿਕਸ ਕੀਤੀ ਗਈ ਮੁਆਵਜ਼ੇ ਦੀ ਰਕਮ ਤੇ ਐਕਟ ਦੀ ਧਾਰਾ 30 ਅਧੀਨ Solatium 100% ਦੀ ਦਰ ਨਾਲ ਜੋੜਕੇ ਕੁੱਲ ਰਕਮ ਕੱਢੀ ਜਾਵੇ।

(3) ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਜਮੀਨ ਦੇ ਰੇਟ ਅਤੇ ਕੁੱਲ ਕੀਮਤ ਬਾਰੇ ਭੌ ਮਾਲਕਾਂ ਦੀ ਸਹਿਮਤੀ ਪ੍ਰਾਪਤ ਕੀਤੀ ਜਾਵੇਗੀ ਅਤੇ ਤਹਿਸ਼ੀਦਾ ਰੇਟ (ਸਰਕਲ ਰੇਟ/ਕੂਲੈਕਟਰ ਰੇਟ/ਬਜ਼ਾਰੀ ਭਾਅ) ਸਵੀਕਾਰ ਕੀਤੇ ਮੰਨੇ ਜਾਣਗੇ। ਜੇਕਰ ਇਨ੍ਹਾਂ ਰੇਟਾਂ ਤੇ ਸਹਿਮਤੀ ਨਹੀਂ ਹੁੰਦੀ ਤਾਂ ਐਕਟ ਦੀ ਧਾਰਾ 108 ਤਹਿਤ ਇਸ ਵਿਭਾਗ ਵਲੋਂ ਜਾਰੀ ਕੀਤੀਆਂ ਗਈਆਂ ਹਦਾਇਤਾਂ ਨੰ: 24/85/15-ਐਲ. ਆਰ.1/18361-88, ਮਿਤੀ 6.11.2015 (ਜਿਨ੍ਹਾਂ ਰਾਹੀਂ ਇਸ ਵਿਭਾਗ ਵਲੋਂ ਪੱਤਰ ਨੰ:1/55/78-ਐਲ. ਆਰ.1/4810, ਮਿਤੀ 14.7.1997 ਰਾਹੀਂ ਬਣਾਈਆਂ ਗਈਆਂ ਜਿਲਾ ਪ੍ਰਾਈਸ ਫਿਕਸੇਸ਼ਨ ਕਮੇਟੀਆਂ ਕਾਇਮ ਰਖੀਆਂ ਗਈਆਂ ਹਨ) ਨੂੰ ਮੁੱਖ ਰੱਖਦਿਆਂ ਮਾਮਲਾ ਜਿਲਾ ਪ੍ਰਾਈਸ ਫਿਕਸੇਸ਼ਨ ਕਮੇਟੀ ਅੱਗੇ ਪੇਸ਼ ਕੀਤਾ ਜਾਵੇਗਾ ਅਤੇ ਇਸ ਕਮੇਟੀ ਵਿੱਚ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ/ਵਿਭਾਗੀ ਮੁਖੀ ਪੱਧਰ ਦਾ ਅਧਿਕਾਰੀ ਸ਼ਾਮਲ ਹੋਵੇਗਾ। ਕਮੇਟੀ ਵਲੋਂ ਕੀਤੀਆਂ ਸਿਫਾਰਸ਼ਾਂ ਤੇ ਅੰਤਿਮ ਫੈਸਲਾ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਦੀ ਪੱਧਰ ਤੇ ਹੀ ਲਿਆ ਜਾਵੇਗਾ। ਇਸ ਸਬੰਧ ਵਿੱਚ ਮੁੱਖ ਸਰਤਾਂ ਹੇਠ ਅਨੁਸਾਰ ਹੋਣਗੀਆਂ:

- ੳ) ਜੇਕਰ The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 ਅਧੀਨ ਪੈਰਾ (2) ਮੁਤਾਬਿਕ ਬਣਦਾ ਕੁੱਲ ਮੁਆਵਜ਼ਾ ਦੇਣ ਸਬੰਧੀ ਸਹਿਮਤੀ (negotiation) ਹੁੰਦੀ ਹੈ ਤਾਂ ਇਸ ਸਬੰਧੀ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਅਧਿਕਾਰਤ ਹੋਵੇਗਾ।
- ਅ) 10% ਤੱਕ premium ਦੇਣ ਸਬੰਧੀ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ, ਵਿੱਤ ਵਿਭਾਗ ਦੀ ਸਲਾਹ ਨਾਲ ਕਾਰਵਾਈ ਕਰੇਗਾ।
- ੲ) 25% ਤੱਕ premium ਦੇਣ ਸਬੰਧੀ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਪਹਿਲਾਂ ਮੰਤਰੀ ਪ੍ਰੀਸ਼ਦ ਦੀ ਪ੍ਰਵਾਨਗੀ ਪ੍ਰਾਪਤ ਕਰੇਗਾ।

ਸ) ਜੇਕਰ ਉਪਰੋਕਤ ਕੇਸਾਂ ਵਿੱਚ ਵੀ ਸਹਿਮਤੀ ਨਹੀਂ ਹੁੰਦੀ ਤਾਂ The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 ਅਨੁਸਾਰ Compulsory Land Acquisition ਕਾਰਵਾਈ ਕੀਤੀ ਜਾਵੇ।

ਰੋਟਾਂ ਬਾਰੇ ਸਹਿਮਤੀ ਹੋਣ ਦੀ ਮਿਤੀ ਤੋਂ ਅਸਲ ਵਿੱਚ ਰਕਮ ਦੀ ਅਦਾਇਗੀ ਵਿਚਕਾਰ ਜੇਕਰ 6 ਮਹੀਨੇ ਤੋਂ ਜਿਆਦਾ ਦੇਰੀ ਹੁੰਦੀ ਹੈ ਤਾਂ ਮੁਆਵਜ਼ੇ ਦੀ ਰਕਮ ਤੇ 6% ਸਲਾਨਾ ਸਧਾਰਨ ਵਿਆਜ ਦੀ ਅਦਾਇਗੀ ਕੀਤੀ ਜਾਵੇਗੀ। ਇਸ ਸਬੰਧ ਵਿੱਚ ਪ੍ਰਬੰਧਕੀ ਵਿਭਾਗ ਦੇ ਨੁਮਾਇੰਦੇ ਅਤੇ ਜਮੀਨ ਮਾਲਕਾਂ ਵਿਚਕਾਰ ਇਕਰਾਰਨਾਮਾ ਕੀਤਾ ਜਾਵੇ।

4. ਆਪਸੀ ਸਹਿਮਤੀ ਨਾਲ ਜਮੀਨ ਪ੍ਰਾਪਤ ਕਰਨ ਦੀ ਕਾਰਵਾਈ ਮੁਕੰਮਲ ਹੋਣ ਤੇ Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 ਵਿੱਚ ਦਰਸਾਏ ਕੋਈ ਵੀ ਲਾਭ ਮਿਲਣ ਯੋਗ ਨਹੀਂ ਹੋਣਗੇ। ਪੰਜੂ ਜੇਕਰ ਮੁਆਵਜ਼ੇ ਵਜੋਂ ਮਿਲੀ ਰਕਮ ਨਾਲ ਪੰਜਾਬ ਰਾਜ ਵਿੱਚ ਕਿਸੇ ਵੀ ਥਾਂ ਤੇ ਉਤਨੀ ਹੀ ਰਕਮ ਦੀ ਕੋਈ ਜਮੀਨ ਖਰੀਦੀ ਜਾਂਦੀ ਹੈ ਤਾਂ ਉਸਤੇ ਇਸ ਵਿਭਾਗ ਵਲੋਂ ਜਾਰੀ ਕੀਤੀ ਗਈ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: S.O.42/C.A.2/1899/ S.9/ 2008, ਮਿਤੀ 24.6.2008 ਅਤੇ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: S.O.43/C.A.16/ 1908/ Ss.78 and 79 /2008, 24.6.2008 ਅਧੀਨ ਕ੍ਰਮਵਾਰ ਸਟੈਂਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਫੀਸ ਤੋਂ ਮੁਆਫੀ ਹੋਵੇਗੀ।

5. ਆਪਸੀ ਸਹਿਮਤੀ ਨਾਲ ਪ੍ਰਾਪਤ ਕੀਤੀ ਜਾਣ ਵਾਲੀ ਜਮੀਨ ਦੀ conveyance deed ਦਾ ਨਮੂਨਾ ਪ੍ਰਫਾਰਮਾ ਅਨੁਲੱਗ-1 ਨਾਲ ਨੱਥੀ ਕੀਤਾ ਜਾਂਦਾ ਹੈ। ਸਰਕਾਰੀ ਵਿਭਾਗ ਦੇ ਨਾਮ ਵਸੀਕਾ ਰਜਿਸਟਰਡ ਹੋਣ ਤੇ ਹੀ ਸਟੈਂਪ ਡਿਊਟੀ ਅਤੇ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਫੀਸ ਤੋਂ ਮੁਆਫੀ ਹੋਵੇਗੀ।

ਕੇ.ਬੀ.ਐਸ.ਸਿੱਧੂ
ਵਧੀਕ ਮੁੱਖ ਸਕੱਤਰ ਅਤੇ
ਵਿੱਤੀ ਕਮਿਸ਼ਨਰ ਮਾਲ

9878-10155
ਪਿੱਠਅੰਕਣ ਨੰ:24/109/2015-ਭਮ-1/ ਚੰਡੀਗੜ੍ਹ, ਮਿਤੀ 18-5-16
ਇਸਦਾ ਇੱਕ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਸੂਚਨਾ ਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਹਿੱਤ
ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ:-

1. ਸਮੂਹ ਪ੍ਰਬੰਧਕੀ ਸਕੱਤਰ, ਪੰਜਾਬ ਸਰਕਾਰ,

2. ਪ੍ਰਮੁੱਖ ਸਕੱਤਰ/ਮਾਨਯੋਗ ਮੁੱਖ ਮੰਤਰੀ, ਪੰਜਾਬ,
3. ਸਕੱਤਰ/ਮਾਲ ਤੇ ਪੁਨਰਵਾਸ ਮੰਤਰੀ, ਪੰਜਾਬ
4. ਸਮੂਹ ਵਿਭਾਗਾਂ ਦੇ ਮੁੱਖੀ,
5. ਸਮੂਹ ਮੰਡਲ ਕਮਿਸ਼ਨਰ,
6. ਸਮੂਹ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ,
7. ਸਮੂਹ ਉਪ ਮੰਡਲ ਮੈਜਿਸਟਰੇਟ ਅਤੇ ਤਹਿਸੀਲਦਾਰ,
8. ਸਮੂਹ ਲੈਂਡ ਐਕੁਜੀਸ਼ਨ ਕੁਲੈਕਟਰ।

ਉਪ ਸਕੱਤਰ ਮਾਲ

ਪਿੱਠਅੰਕਣ ਨੰ:24/109/2015-ਭਮ-1/ 10156 ਚੰਡੀਗੜ, ਮਿਤੀ 18-5-16

ਇਸ ਦਾ ਇੱਕ ਉਤਾਰਾ (ਸਮੇਤ ਵਾਧੂ ਕਾਪੀ ਅਤੇ ਸੀ.ਡੀ) ਕੰਟਰੋਲਰ, ਪ੍ਰਿਟਿੰਗ ਐਂਡ ਸਟੇਸ਼ਨਰੀ ਪੰਜਾਬ, ਸਾਹਿਬਜ਼ਾਦਾ ਅਜੀਤ ਸਿੰਘ ਨਗਰ ਨੂੰ ਭੇਜਕੇ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਇਸ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੂੰ ਪੰਜਾਬ ਸਰਕਾਰ ਦੇ ਗਜ਼ਟ (Ordinary) ਵਿੱਚ ਛਪਵਾਇਆ ਜਾਵੇ ਅਤੇ ਉਸਦੀ 200 ਕਾਪੀ ਇਸ ਵਿਭਾਗ ਨੂੰ ਦਫਤਰੀ ਵਰਤੋਂ ਲਈ ਭੇਜੀ ਜਾਵੇ।

ਉਪ ਸਕੱਤਰ ਮਾਲ

Proforma Sale deed

Annexure-1

Model form of sale deed to be executed when land is acquired for public purposes by private negotiations.

INDENTURE made this.....day of.....20.....between (hereinafter together with their heirs, successors and assigns where the context so requires called the vendors) for the one part and the Governor of Punjab (hereinafter called the purchaser) of the other part.

WHEREAS the vendors are the absolute owners of the property hereinafter mentioned and hereby conveyed in the following shares that is to any Son of _____ Share _____

AND WHEREAS THE land required by Government for a public purpose.-vide notification No. _____ dated _____, and It has been agreed that proceedings under the **Land Acquisition Act**, would cause unnecessary expense, inconvenience and hardship to the vendors and that sale by private negotiation is in the interest, and for the benefit of the vendors who have agreed to the absolute sale accordingly to the purchaser for the sum of Rs. _____.

Now these Present Witness that in pursuance of the above agreement and in consideration of the sum of rupees _____ paid by the purchaser to the vendors _____ day of _____ 20 (the receipt whereof the vendors do hereby acknowledge) the vendors do hereby as beneficial owner grant, shall convey and assign unto the purchaser ALL that piece or parcel of land situated at measuring and entered as

Khewat No _____ Khataun _____

Khasra _____ of the jamabandi of _____ in the tehsil of _____ district and more particularly described of delineated in the map or plan hereto annexed together with all trees, plants liberties, prevail eges, easements and appurtenances whatsoever to the same, belonging or in any wise appertaining and all the estate, right, title, interest, claim and demand of the vendors in and to the same and very part thereof **TO HAVE AND TO HOLD** the same unto and to the absolute use and benefit of the purchaser and his successors and assigns in full proprietary right free from all encumbrances **FOR EVER**.

AND the vendors do hereby covenant with the purchased that they now have good right title and power to sell and convey the same to the purchaser in manner aforesaid free from encumbrance and that the purchaser may at all times hereafter peaceably and quietly possess and enjoy the same without any interruption claim or demand from or by the vendors or any person or persons lawfully or equitably claiming for or of any of them AND that special conditions the vendors shall whenever reasonably so required execute and do any such further act assurance or thing as may be deemed necessary by the purchaser **IN WITNESS WHEREOF**, etc. etc

Details for the purchase of WTP Land

Details of the Khasra No. for the WTP Area Purchased:



Details and Amount for WTP area purchased:

ਪਿੰਡ ਬਿਲਗਾ (WTP) ਪ੍ਰਾਪਰਟੀਆਂ ਦਾ ਵੇਰਵਾ ਅਤੇ ਰਕਮ

300,000/-
 100,000/-
 100,000/-
 100,000/-

ਲੜੀ ਨੰ.	ਮਾਲਕ ਦਾ ਨਾਮ	ਰਕਬਾ	ਰਕਮ	ਚੈੱਕ ਨੰ. ਅਤੇ ਮਿਤੀ	ਕੁੱਲ ਰਕਬਾ ਏਕੜ-ਕਨਾਲ-ਮਰਲਾ	ਕੁੱਲ ਰਕਮ
1	ਸ਼੍ਰੀ ਮਹਾਰਜੀਤ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸਖਤਾ ਸਿੰਘ	29 ਕਨਾਲ 11 1/2 ਮਰਲੇ	2,32,90,312/-	ਨੰ. 004222 ਮਿਤੀ 12.08.2021	3 - 5 - 11 1/2	2,32,90,312/-
2	ਸ਼੍ਰੀ ਅਵਤਾਰ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਮਹਿੰਦਰ ਸਿੰਘ	7 ਕਨਾਲ 17 ਮਰਲੇ	1,40,50,875/-	ਨੰ. 004223 ਮਿਤੀ 12.08.2021	5 - 7 - 8 1/2	3,73,47,187/-
3	ਸ਼੍ਰੀ ਹਰਬੰਸ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸਖਤਾ ਸਿੰਘ	29 ਕਨਾਲ 1 1/2 ਮਰਲੇ	2,32,90,312/-	ਨੰ. 004224 ਮਿਤੀ 12.08.2021	9 - 5 - 0	6,06,37,499/-
4	ਸ਼੍ਰੀ ਸੁਖਵੀਰ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਅਗਤਾਰ ਸਿੰਘ	8 ਕਨਾਲ 2 ਮਰਲੇ	63,78,730/-	ਨੰ. 004225 ਮਿਤੀ 12.08.2021	10 - 5 - 2	6,70,16,249/-
5	ਸ਼੍ਰੀ ਗੁਰਮੀਤ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਬਲਵਿੰਦਰ ਸਿੰਘ	4 ਕਨਾਲ 0 ਮਰਲੇ	31,50,000/-	ਨੰ. 004226 ਮਿਤੀ 12.08.2021	11 - 1 - 2	7,01,66,249/-
6	ਸ਼੍ਰੀ ਨਿਰਮਲ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਕਪੂਰ ਸਿੰਘ	13 ਕਨਾਲ 1 ਮਰਲਾ	1,02,76,875/-	ਨੰ. 004227 ਮਿਤੀ 13.08.2021	12 - 6 - 3	8,04,43,124/-
7	ਸ਼੍ਰੀਮਤੀ ਨਵਦੀਪ ਕੌਰ ਪੁੱਤਰੀ ਸ਼੍ਰੀ ਨਿਰਮਲ ਸਿੰਘ ਪਤਨੀ ਸ਼੍ਰੀ ਕੁਲਜੋਤ ਸਿੰਘ	8 ਕਨਾਲ 0 ਮਰਲੇ	63,00,000/-	ਨੰ. 004228 ਮਿਤੀ 13.08.2021	13 - 6 - 3	8,67,43,124/-
8	ਸ਼੍ਰੀ ਜਸਵਿੰਦਰ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸੁੱਚਾ ਸਿੰਘ	1 ਕਨਾਲ 4 3/10 ਮਰਲੇ	9,57,305/-	ਨੰ. 004229 ਮਿਤੀ 16.08.2021	13 - 7 - 7.32	8,77,00,428/-
9	ਸ਼੍ਰੀ ਸਵਰਨ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਮਲਕੀਤ ਸਿੰਘ	21 ਕਨਾਲ 18 1/2 ਮਰਲੇ	1,71,87,188/-	ਨੰ. 004230 ਮਿਤੀ 16.08.2021	16 - 5 - 3.81	10,48,87,616/-
10	ਸ਼੍ਰੀ ਲਖਵਿੰਦਰ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸੁੱਚਾ ਸਿੰਘ	1 ਕਨਾਲ 9-3/10 ਮਰਲੇ	11,54,179/-	ਨੰ. 004231 ਮਿਤੀ 16.08.2021	16 - 6 - 13.20	10,60,41,795/-
11	ਸ਼੍ਰੀ ਰਿਪਨਦੇਪ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਰਵਿੰਦਰ ਸਿੰਘ	2 ਕਨਾਲ 8 5/6 ਮਰਲੇ	19,23,502/-	ਨੰ. 004232 ਮਿਤੀ 16.08.2021	17 - 1 - 1.97	10,79,65,297/-
12	ਸ਼੍ਰੀਮਤੀ ਸਰਬਜੋਤ ਕੌਰ ਪਤਨੀ ਸ਼੍ਰੀ ਸਵਰਨ ਸਿੰਘ	3 ਕਨਾਲ 0 ਮਰਲੇ	23,62,500/-	ਨੰ. 004233 ਮਿਤੀ 16.08.2021	17 - 4 - 1.97	11,03,27,797/-
13	ਸ਼੍ਰੀ ਚਰਨ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਜਾਰਾਵਰ ਸਿੰਘ	21 ਕਨਾਲ 5 ਮਰਲੇ	1,67,34,375/-	ਨੰ. 004234 ਮਿਤੀ 17.08.2021	20 - 1 - 6.97	12,70,62,172/-
14	ਸ਼੍ਰੀਮਤੀ ਫੁਲਵੰਤ ਕੌਰ ਪਤਨੀ ਸ਼੍ਰੀ ਤੇਜਾ ਸਿੰਘ	2 ਕਨਾਲ 19-3/4 ਮਰਲੇ	23,52,656/-	ਨੰ. 004235 ਮਿਤੀ 17.08.2021	20 - 4 - 6.73	12,94,14,828/-
15	ਸ਼੍ਰੀ ਰਣਜੀਤ ਸਿੰਘ ਪੁੱਤਰ ਸ਼੍ਰੀ ਭਾਨ ਸਿੰਘ	5 ਕਨਾਲ 19-1/2 ਮਰਲੇ	47,05,313/-	ਨੰ. 004236 ਮਿਤੀ 17.08.2021	21 - 2 - 6.23	13,41,20,141/-
16	ਸ਼੍ਰੀਮਤੀ ਸਰਬਜੋਤ ਕੌਰ ਪੁੱਤਰੀ ਸ਼੍ਰੀ ਤੇਜਾ ਸਿੰਘ	2 ਕਨਾਲ 19-3/4 ਮਰਲੇ	23,52,656/-	ਨੰ. 004237 ਮਿਤੀ 17.08.2021	21 - 5 - 5.98	13,64,72,797/-

ਪਿੰਡ ਬਿਲਗਾ (WTP) ਪ੍ਰਾਪਰਟੀਆਂ ਦਾ ਵੇਰਵਾ ਅਤੇ ਰਕਮ

ਸ੍ਰੀ ਵਰਸੀਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਾਇਦਰ ਸਿੰਘ	5 ਕਨਾਲ 13 ਮਰਲੇ	✓ 1,23,24,57/-	ਕੈ. 004238 ਮਿਤੀ 7.08.2021	23 - 4 - 08.58	4,87,97,72/-
ਸ੍ਰੀ ਕਮਪ੍ਰੀਤ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਰਾਮਚੰਦ ਸਿੰਘ ਕਾਇਦਰ ਸ੍ਰੀ ਪਰਮੇ ਸ੍ਰੀ ਰਾਮਚੰਦ ਸਿੰਘ	5 ਕਨਾਲ 13 ਮਰਲੇ	✓ 1,23,24,57/-	ਕੈ. 004240 ਮਿਤੀ 7.08.2021 682,16,250/-	25 - 4 - 11.98	76,11,21,547/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	4 ਕਨਾਲ 5 ਮਰਲੇ	✓ 8,59,55/-	ਕੈ. 004241 ਮਿਤੀ 8.08.2021	26 - 0 - 12.25	6,42,81,397/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	4 ਕਨਾਲ 5 ਮਰਲੇ	✓ 8,59,55/-	ਕੈ. 004242 ਮਿਤੀ 8.08.2021	26 - 4 - 12.48	6,74,41,235/-
ਸ੍ਰੀ ਕਾਇਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਸੇਠਾ ਸਿੰਘ	ਕਨਾਲ 13 1/2 ਮਰਲੇ	✓ 92,14,217/-	ਕੈ. 004243 ਮਿਤੀ 9.08.2021	28 - 0 - 6.98	7,66,73,672/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	5 ਕਨਾਲ 15 ਮਰਲੇ	✓ 76,78,117/-	ਕੈ. 004244 ਮਿਤੀ 20.08.2021	29 - 2 - 1.98	8,43,52,797/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	4 ਕਨਾਲ 13 1/2 ਮਰਲੇ	✓ 107,09,117/-	ਕੈ. 004246 ਮਿਤੀ 24.08.2021	30 - 7 - 15.48	19,51,27,856/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	5 ਕਨਾਲ 15 1/2 ਮਰਲੇ	✓ 102,69,097/-	ਕੈ. 004245 ਮਿਤੀ 24.08.2021	32 - 5 - 8.58	20,58,60,927/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	5 ਕਨਾਲ 0 1/2 ਮਰਲੇ	✓ 63,19,683/-	ਕੈ. 004247 ਮਿਤੀ 25.08.2021	33 - 5 - 9.48	21,22,10,608/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	5 ਕਨਾਲ 0 1/2 ਮਰਲੇ	✓ 63,19,683/-	ਕੈ. 004248 ਮਿਤੀ 25.08.2021	34 - 5 - 9.58	21,85,30,295/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	ਕਨਾਲ 14 1/2 ਮਰਲੇ	✓ 92,35,437/-	ਕੈ. 004249 ਮਿਤੀ 25.08.2021	36 - 1 - 4.48	22,77,63,732/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	6 ਕਨਾਲ 5 1/2 ਮਰਲੇ	✓ 49,41,563/-	ਕੈ. 004250 ਮਿਤੀ 26.08.2021	36 - 7 - 0.98	23,27,05,294/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	7 ਕਨਾਲ 16 1/2 ਮਰਲੇ	✓ 1,08,87,883/-	ਕੈ. 004252 ਮਿਤੀ 27.08.2021	38 - 5 - 6.48	24,35,92,482/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	8 ਕਨਾਲ 9 2/3 ਮਰਲੇ	✓ 1,29,80,363/-	ਕੈ. 004253 ਮਿਤੀ 31.08.2021	40 - 5 - 16.48	25,65,72,844/-
ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ ਪੁੰਚਰ ਸ੍ਰੀ ਕਮਦਰ ਸਿੰਘ	8 ਕਨਾਲ 4 5/6 ਮਰਲੇ	✓ 64,50,187/-	ਕੈ. 004254 ਮਿਤੀ 01.09.2021	41 - 6 - 0.97	26,30,63,025/-

ਪਿੰਡ ਬਿਲਕਾ (WTP) ਪ੍ਰਾਪਰਟੀਆਂ ਦਾ ਵੇਰਵਾ ਅਤੇ ਰਕਮ

30	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	16 ਕਰੌਲ 1 2/3 1638	✓	1,29,80,362	ਨੰ. 004255 ਜਿਤੀ 01/09/2021	43 - 6 - 10.63	27,60,43,387/-
31	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	16 ਕਰੌਲ 1 2/3 1638	✓	1,29,80,362	ਨੰ. 004256 ਜਿਤੀ 02/09/2021	45 - 7 - 0.29	28,90,23,749/-
32	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	4 ਕਰੌਲ 1/3 1638	✓	31,59,843	ਨੰ. 004257, 004258, 004259 ਜਿਤੀ 02/09/2021	46 - 3 - 0.54	29,21,83,592/-
33	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	2 ਕਰੌਲ 1/3 1638	✓	23,08,389	ਨੰ. 004260 ਜਿਤੀ 15/09/2021	46 - 5 - 19.16	29,44,91,957/-
34	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	6 ਕਰੌਲ 1 2/3 1638	✓	3,84,465	ਨੰ. 004262 ਜਿਤੀ 20/09/2021	46 - 6 - 8.93	29,48,76,415/-
35	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	4 ਕਰੌਲ 1 2/3 1638	✓	31,59,843	ਨੰ. 004263 ਜਿਤੀ 11/10/2021 ਰਜਿਸਟਰੀ 25/10/2021	47 - 2 - 0.18	29,80,36,259/-
36	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	8 ਕਰੌਲ 1 5/6 1638	✓	64,90,181	ਨੰ. 004264 ਜਿਤੀ 11/10/2021 ਰਜਿਸਟਰੀ 25/10/2021	48 - 2 - 14.00	30,15,26,440/-
37	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	9 ਕਰੌਲ 1 1/2 1638	✓	76,58,417	ਨੰ. 004265 ਜਿਤੀ 29/10/2021	49 - 4 - 8.50	31,71,84,877/-
38	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	2 ਕਰੌਲ 1 1/3 1638	✓	15,75,000	ਨੰ. 004266 ਜਿਤੀ 29/10/21	49 - 6 - 8.50	31,71,59,877/-
39	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	4 ਕਰੌਲ 1 1/3 1638	✓	31,59,843	ਨੰ. 004267 ਜਿਤੀ 29/10/21	50 - 2 - 15.50	31,71,83,502/-
40	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	3 ਕਰੌਲ 1 1/3 1638	✓	31,203,618	ਨੰ. 004268 ਜਿਤੀ 29/10/21	50 - 6 - 14.83	32,03,09,120/-
41	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	4 ਕਰੌਲ 1 1/3 1638	✓	31,27,236	ਨੰ. 004269 ਜਿਤੀ 29/10/21	51 - 3 - 0.49	32,40,36,356/-
42	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	6 ਕਰੌਲ 1 5/6 1638	✓	2,87,831	ਨੰ. 004271 ਜਿਤੀ 18/11/21	51 - 3 - 16.80	32,43,24,187/-
43	ਮੁੰਮੀ ਸਰਕੀਟ ਕੋਰ ਪਾਈ ਲੀ ਵਿਕਿਟ ਸਿੰਗ	1 ਕਰੌਲ 1 1/3 1638	✓	12,26,157	ਨੰ. 004272 ਜਿਤੀ 18/11/2021	51 - 5 - 7.94	32,55,50,324/-

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ਪਿੰਡ ਬਿਲਗਾ (WTP) ਪ੍ਰਾਪਰਟੀਆਂ ਦਾ ਵੇਰਵਾ ਅਤੇ ਰਕਮ

46	ਸ਼੍ਰੀਮਤੀ ਸੁਰਿੰਦਰ ਕੌਰ ਉਚਰ ਸ਼੍ਰੀਮਤੀ ਲਖਵਿੰਦਰ ਕੌਰ ਪੁੱਤਰੀ ਸੁੱਚਾ ਸਿੰਘ	0 ਕਨਾਲ 5 ਮਰਲੇ	1,96,875/-	ਨੰ: 004273 ਮਿਤੀ 04/01/2022	51- 5 - 12.94	32,57,47,199/-
47	ਸ਼੍ਰੀ ਹਰਸਿਮਰਨ ਸਿੰਘ ਮਾਨ ਪੁੱਤਰ ਸ਼੍ਰੀ ਭੁਪਿੰਦਰ ਸਿੰਘ ਮਾਨ	6 ਕਨਾਲ 5 1/2 ਮਰਲੇ ✓	49,41,562/-	ਨੰ: 004274 ਮਿਤੀ 04/01/2022	52 - 3 - 18.44	33,06,88,761/-
48	ਸ਼੍ਰੀਮਤੀ ਕੁਲਵੰਤ ਕੌਰ ਗਰੇਵਾਲ ਪੁੱਤਰ ਸ਼੍ਰੀ ਸੁੱਚਾ ਸਿੰਘ	0 ਕਨਾਲ 4 1/4 ਮਰਲੇ ✓	1,67,343	ਨੰ: 004275 ਮਿਤੀ 04/01/2022	52 - 4 - 2.69	33,08,56,105/-
49	ਸ਼੍ਰੀ ਹਰਜਿੰਦਰ ਸਿੰਘ ਪੁੱਤਰ ਬਲਵੰਤ ਸਿੰਘ	6 ਕਨਾਲ 0 ਮਰਲੇ ✓	47,25,000/-	ਨੰ: 004276 ਮਿਤੀ 24/02/2022	53 - 2 - 2.69	33,55,81,105/-

ਉਪਰੋਕਤ ਅਨੁਸਾਰ 54 ਏਕੜ 2 ਕਨਾਲ 16 ਮਰਲੇ ਵਿੱਚੋਂ ਹੁਣ ਤੱਕ 53 ਏਕੜ 2 ਕਨਾਲ 2.69 ਮਰਲੇ ਜਮੀਨ ਦੀ ਖੀਂਦ ਹੋ ਚੁੱਕੀ ਹੈ ਅਤੇ ਬਕਾਇਆ ਰਹਿੰਦੀ ਜਮੀਨ ਦੀ ਖੀਂਦ ਕਰਨ ਦਾ ਕੰਮ ਪੂਰਤੀ ਅਧੀਨ ਹੈ।

ਰਿਪੋਰਟ ਆਪ ਜੀ ਦੀ ਜਾਣਕਾਰੀ ਹਿੱਤ ਪੇਸ਼ ਹੋ ਜੀ।

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 ਪ੍ਰਮਿਤ ਕੌਰ ਪੁੱਤਰੀ ਸੁੱਚਾ ਸਿੰਘ
 ਪੁੱਤਰ ਸੁੱਚਾ ਸਿੰਘ
 ਮਾਨ ਸ਼੍ਰੀਮਤੀ ਮਾਨ
 ਸਿੰਘ ਸ਼੍ਰੀਮਤੀ ਸੁੱਚਾ ਸਿੰਘ
 ਪੁੱਤਰ ਸੁੱਚਾ ਸਿੰਘ

0 ਏਕੜ 18-4/9 ਮਰਲੇ 72,660/- ਨੰ: 004277 ਮਿਤੀ 4/8/2023 53-3-1.18 33,63,07,765/-

Verified (50) Mrs. - 
 16/11/24

Transcript:

Details and Amount of Village Bilga (WTP) Properties					
S. No	Owner's Name	Total Area Owned by the Owner	Total Area Purchased form the Owner	Amount (INR)	Cheque No/Date
1	Mr. Amarjeet Singh S/o Sakta Singh	3.7	3.7	2,32,90,312	004222, Dated-12-08-2021
2	Mr. Avtar Singh S/o Mahinder Singh	5.93	2.23	1,40,56,875	004223, Dated-12-08-2021
3	Mr. Harbans Singh S/o Skata Singh	9.63	3.7	2,32,90,312	004224, Dated- 12-08-2021
4	Mr Sukhveer Singh S/o Jagtar Singh	10.64	1.01	63,78,750	004225, Dated-12-08-2021
5	Mr. Gurmeet Singh S/o Balwinder Singh	11.14	0.5	31,50,000	004226, Dated-12-08-2021
6	Mr. Nirmal Singh S/o Kapur Singh	12.77	1.63	1,02,76,875	00427, Dated 13-08-2021
7	Mrs. Navdeep Kaur D/o Nirmal Singh W/o Kuljeet Singh	13.77	1	63,00,000	004228, Dated-13-08-2021
8	Mr. Jaswinder Singh S/o Sucha Singh	13.92	0.15	9,57,304	004229, Dated- 16-08-2021
9	Mr. Swaran Singh S/o Malkeet Singh	16.65	2.73	1,71,87,188	004230, Dated - 16-08-2021
10	Mr. Lakhwinder Singh S/o Suda Singh	16.83	0.18	11,54,179	004231, Dated -16-8-2021
11	Mr.Ripandeep Singh S/o Rajinder Singh	17.14	0.31	19,23,502	004232, Dated 16-08-2021
12	Smt. Satwant Kaur W/o Swaran Singh	17.51	0.38	23,62,500	004233, Dated -16-08-2021
13	Mr. Charan Singh W/o Jorawar Singh	20.17	2.66	1,67,34,375	004234, Dated 17-08-2021
14	Smt. Kulwanrt Kaur W/o Teja Singh	20.54	0.37	23,52,656	004235, Dated-17-08-2021
15	Mr. Ranjeet Singh S/o Pan Singh	21.29	0.75	47,05,313	004236, Dated -17-08-2021
16	Mr. Sarabjot Kaur D/o Teja Singh	21.66	0.37	23,52,656	004237, Dated 17-08-2021
17	Mr. Harjeet Singh S/o Joginder Singh	23.62	1.96	1,23,24,375	004238 Dated 17-08-2021
18	Mr. Jap Preet Singh S/o Raghuvveer Singh, Jasvinder Kaur W/o Raghuvveer Singh	25.57	1.96	1,23,24,375	004239, Dated 17-08-2021(4108125), 004240 Dated 17-08-2021(8216250)

Details and Amount of Village Bilga (WTP) Properties					
S. No	Owner's Name	Total Area Owned by the Owner	Total Area Purchased form the Owner	Amount (INR)	Cheque No/Date
19	Mr. Jasder Sibgh S/o Jagdev Singh	26.08	0.5	31,59,844	004241 Dated 18-08-2021
20	Mr. Balwinderjeet Singh S/o Sant Singh	26.58	0.5	31,59,844	004242 Dated -18-08-2021
21	Mr. Joginder Singh S/o Meva Singh	28.04	1.47	92,33,437	004243 Dated 19-08-2021
22	Mrs. Kirandeep kaur D/o Harjinder Singh	29.26	1.22	76,78,125	004244 Dated 20-08-2021
23	Mr. Jaswinder Singh S/o Baljeet Singh	30.97	1.71	1,07,69,062	004246 Dated 24-08-2021
24	Mr. Kulwinder Singh S/o Baljeet Singh	32.68	1.71	1,07,69,062	004245 Dated 24-08-2021
25	Mr. Harkiran Singh S/o Lt. Hardev Singh	33.68	1	63,19,687	004247 Dated 25-08-2021
26	Mr. Rajdeep Singh S/o Lt. Hardev Singh	34.68	1	63,19,687	004248 Dated 25-08-2021
27	Mr. Surinder Singh S/o Bakshish Singh	36.15	1.47	92,33,437	004249 Dated 25-08-2021
28	Mr. Bhupinder Singh S/o Surjeet Singh	36.94	0.78	49,41,562	004250 Dated 26-08-2021
29	Mr. Bhupinder Singh S/o Teja Singh	38.67	1.73	1,08,87,188	004252 Dated 27-08-2021
30	Mr. Jang Singh S/o Hardev Singh	40.73	2.06	1,29,80,362	004253 Dated 31-08-2021
31	Mr. Harpal Singh S/o Niranjan Singh	41.76	1.03	64,90,181	004254 Dated 01-09-2021
32	Smt. Surjeet kaur W/o Niranjan Singh	43.82	2.06	1,29,80,362	004255 Dated 01-09-2021
33	Mr. Hardeeo Singh S/o Hardev Singh	45.88	2.06	1,29,80,362	004256 Dated 02-09-2021
34	Smt. Sukhveer Kaur W/o Lt Ranjeet Singh, Gurdeep Singh S/o Ranjeet Singh, Jasvinder Singh S/o Ranjeet Singh	46.38	0.5	31,59,843	004257, 004258, 004259, Dated 02-09-2021
35	Mr. Harwinder kaur W/o Lakhwinder Singh	46.74	0.37	23,08,359	004260 Dated 15-09-2021
36	Mr. Rippandeep Singh S/o Rajinder Singh	46.81	0.06	3,84,465	004262 Dated 20-09-2021
37	Mr. Ravinder Singh S/o Rachpal Singh (POA Mr Balwinderjeet Singh)	47.31	0.5	31,59,844	004263 Dated 11-10-2021 Ragistry -Dated 25-10-2021
38	Mr. Gujraj Singh S/o Niranjan Singh	48.34	1.03	64,90,181	004264 Dated 11-10-2021, Ragistry- 25-10-2021

Details and Amount of Village Bilga (WTP) Properties					
S. No	Owner's Name	Total Area Owned by the Owner	Total Area Purchased form the Owner	Amount (INR)	Cheque No/Date
39	Mr. Iswinder Singh S/o Mohan Singh	49.55	1.22	76,58,437	004265 Dated 29-10-2021
40	Mr. Mohan Singh S/o Jagjeet Singh	49.8	0.25	15,75,000	004266 Dated 29-10-2021
41	Smt. Kuldeep Kaur W/o Hardeep Singh S/o Mahinder Singh	50.35	0.54	34,23,625	004267 Dated 29-10-2021
42	Mr. Kuldeep Singh S/o Mahinder Singh	50.84	0.5	31,25,619	004268 Dated 29-10-2021
43	Mr. Gurpreet Singh S/o Mahinder Singh	51.43	0.59	37,27,236	004269 Dated 29-10-2021
44	Mr. Rujveer Singh S/o Balwinder Singh	51.48	0.05	2,87,831	004271 Dated 18-11-2021
45	Smt. Surjeet kaur W/o Gurchet Singh, Smt Saravjeet Kaur W/o Balwinder Singh	51.67	0.19	12,26,137	004272 Dated 18-11-2021
46	Smt. Surinder Kaur urf Lakhwinder Kaur D/o Sucha Singh	51.71	0.03	1,96,875	004273 Dated 04-01-2022
47	Mr. Harsimarn Singh Man S/o Bhupinder Singh Man	52.49	0.78	49,41,562	004274 Dated 04-01-2022
48	Smt. Kulwant Kaur Grewal D/o Succha Singh	52.52	0.03	1,67,343	004275 Dated 04-01-2022
49	Mr. Harminder Singh S/o Balwant Singh	53.27	0.75	47,25,000	004276 Dated 24-02-2022
50	Mr Parminder Kaur, D/o Gurchet Singh	NA	0.1152	7,26,660	004277 Dated 04-08-2023
	TOTAL	1609.09	53.3952	33,63,07,765	

Annexure 8A: Possession and No-Objection Certificate for the identified land parcels

Possession Certificate for 66 Existing ESRs

Undertaking

To Whomsoever It May Concern

Project: Ludhiana Bulk Water Supply Scheme under Punjab Municipal Services Improvement Project

This is to certify that the Municipal Corporation of Ludhiana (MCL) has the possession of land parcels for all 66 existing Elevated Service Reservoirs (ESRs). Works involving the existing ESRs, such as renovation, demolition, or post-demolition construction of new ESRs at the same location under the said project, are within the purview and authority of the MCL to execute.

The detail of all 66 existing ESRs is attached as an enclosure with this undertaking.

Date: 19.03.2024

Signature: 

(Name & Title)

JAIJAYA KANWAR
MUNICIPAL TOWN PLANNER

Municipal Corporation of Ludhiana (MCL)

Official Stamp:  Municipal Town Planner
Municipal Corporation, Ludhiana

Details of 66 existing ESRs

S. No.	ESR Name	ESR Location	
1	W4-E1	Basant Vihar	B
2	W59-E1	Daresi Opp Geeta Mandir	A
3	W79-E1	Village - Haibowal Kalan, Shamshan Ghat	D
4	W58-E1	Naulakha Garden	
5	W80-E1	Haibowal Kalan Near Police Station, Village - Haibowal Kalan	D
6	W95-E1	Village - Jassian, Ashok Nagar, Shamshan Ghat	D
7	W25-E1	Village - Kullian wall, Jamalpur Disposal Site	
8	W13-E1	Village- kuliewal, Prem Vihar	
9	W62-E1	Village - Ludhiana City, Subhani Building M/s Surphase SR	
10	W62-E2	Ludhiana Cit, Naulakha Garden	
11	W70-E1	Jawaddi kalan, Vishal Nagar	D
12	W20-E1	Village - Sherpur kalan, Moti Nagar Store	
13	W74-E1	Village - Badewal Awana, Sher- E- Punjab Colony	D
14	W64-E1	Village - Muncipal Committee Ludhiana, Town Hall	
15	W83-E1	Village- Mahal Bagat, Prem Nagar	D
16	W84-E1	Village- Mahal Bagat, Manna Singh Colony Old GT Road	
17	W10-E1	Subhas Nagar	
18	W21-E1	Kirti Nagar Sector 39 A	
19	W16-E1	Main Water Works Sector 38 A	
20	W16-E2	New Water Works Sec 32 A	

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S. No.	ESR Name	ESR Location
21	W18-E1	Opposite Dental College, Sector 40
22	W24-E1	Phase 4A Metro Road
23	W27-E1	BSUP Flats MC Flats
24	W24-E2	Urban Estate Phase II
25	W27-E2	Phase 8 Focal Point
26	W23-E1	Urban Estate Phase I
27	W23-E2	Focal Point Opp. Thana
28	W23-E3	Phase 3 near Coca Cola factory
29	W22-E1	Sherpur Zone B2
30	W28-E1	Focal Phase 5
31	W28-E2	Phase 6 Police Chowki
32	W28-E3	Focal Phase 7
33	W27-E3	34- Acre Existing OHSR Phase 8
34	W37-E1	Langar Hall Village Dhabba
35	W31-E1	BSUP Flats giaspura
36	W35-E1	Garewal Colony
37	W40-E1	Kot Mangal Singh
38	W51-E1	over lock road cycle market
39	W51-E2	Dholewal
40	W50-E1	Gill Chowk
41	W49-E1	Atam Nagar
42	W43-E1	Dungri
43	W44-E1	Urban Estate Dugri Main (Durga Mandir)




S. No.	ESR Name	ESR Location
44	W44-E2	Community Center Phase 2
45	W46-E1	Model Town Gole Market
46	W69-E1	Shastri Nagar
47	W71-E1	SBS(Shaheed Bhagat Singh) Nagar Block F
48	W71-E2	SBS(Shaheed Bhagat Singh) Nagar Block G
49	W72-E1	BRS Nagar H Block
50	W73-E1	Rajguru Nagar Block B T/W
51	W66-E1	Sant Isher Nagar (New T/W)
52	W51-E3	Jawaharnagar 03
53	W65-E1	Sham Nagar Tankiwala
54	W66-E3	Club Road
55	W76-E2	Rishi Nagar Near Block E
56	W82-E1	Kitchlu Nagar
57	W91-E1	Jeenat Colony
58	W94-E1	Jagat Nagar, Jassian Road
59	W52-E1	Islamganj
60	W53-E1	Kidwai Nagar
61	W88-E1	Shekhawal
62	W27-E4	BSUP flats Gaispura Singla Cycle Road
63	W30-E1	Vishwakarma Park Jaimal Singh Road
64	W41-E1	Div no. 4 opp police station MS Surface SR
65	UGSR- E1	Leisure Valley Park (Existing ABD Smart City UGSR)
66	UGSR-E2	Rose Garden (Existing ABD Smart City UGSR)

A Kmp

Possession Certificate for 58 Proposed ESRs

Undertaking

To Whomsoever It May Concern

Project: Ludhiana Bulk Water Supply Scheme under Punjab Municipal Services Improvement Project

This is to certify that the Municipal Corporation of Ludhiana (MCL) has the possession of land parcels for 58 land parcels where ESRs are proposed. Works involving the existing ESRs, such as construction of new ESRs and laying of pipeline at the said land parcels, are within the purview and authority of the MCL to execute.

The detail of all 58 proposed ESRs is attached as an enclosure with this undertaking.

Date:

Signature:

(Name & Title)

[Handwritten Signature]
[Handwritten Signature]
[Handwritten Signature]
Jagdeep Singh 2-B
2-A
MOHAR SINGH
2-B
Pardeep Sehgal
ATP-c
ATP-c

Municipal Corporation of Ludhiana (MCL) **Assit. Town Planner, M.C. LUDHIANA.**

Official Stamp:

Details of 58 Proposed ESRs that are in Possession of MCL

S. No.	ESR Name	Zone	ESR Location	Present Land Use
1	W95-P1	North	Akash Nagar park	Park
2	W3-P1	North	Panchsheel Park (1.5ML)	Tubewll on Park
3	W1-P2	North	Royal City Park (1.5ML)	Park
4	W89-P2	North	Netaji Park (1ML)	Park
5	W89-P3	North	Sant Rajinder Punjabi Park (1.5 ML)	Park
6	W89-P1	North	Opp Church GT Road (1ML)	Park
7	W87-P1	North	Beside old Public Toilet,GT Road (1ML)	Park
8	W85-P1	North	Shiv Statue,GT Road (1.5 ML)	Vacant Land
9	W58-P1	North	Sunder Nagar Park (1ML)	Tubewll on Park
10	W7-P1	North	Chandralok Colony (2ML)	Tubewll on Park
11	W13-P1	North	Goushaala, Tibbe road(1ML)	Vacant Land
12	W14-P2	North	Tankiwala Park BI-C (1.5ML)	Park
13	W58-P2	North	Ambedkar park gulabi Kothi (previous site Shifaly school park)	Park
14	W59-P2	North	Geeta Mandir Park opp Daresi Ground Ward 21 (1ML)	Park
15	W84-P1	North	Manna Singh Nagar ,GT Road (1.5 ML)	Park
16	W59-P1	North	Geeta Mandir Park opp Daresi Ground Ward 21 (1.5ML)	Park
17	W54-P2	North	Children's Park, near Old Jail (1.5ML)	Park
18	W54-P1	North	Open Land Opp Old Jail (1.5ML)	Vacant Land
19	W20-P1	North	NKH Park, near Cheema Chowk(Ward 17) 1.5ML	Vacant Land
20	W53-P1	North	Shahidi Park,Kidwai Nagar, near Sub Zone B1 (1.5ML)	Park

10.

S. No.	ESR Name	Zone	ESR Location	Present Land Use
21	W20-P2	North	Guru Angad Dev Park, Janakpuri Tea Point(Ward 17) 1.ML	Park
22	W21-P1	North	Saini Colony 0.45 ML	Park
23	W18-P1	North	Vishkarma Colony Park 1.5ML	Park
24	W24-P1	North	Park, Opp Veer Palace(1.5ML)	Park
25	W25-P1	North	Ansal Enclave Park(1.5ML)	Park
26	W27-P2	North	Land Opposite Govt. SMART Primary School, Mundian (1.5ML)	Vacant land
27	W27-P3	North	MCLLand,34 Acre Focal Point (1.5ML)	Vacant land
28	W94-P1	South	Kesari Enclave Park	Park
29	W80-P1	South	Mahaveer Jain Colony Park	Park
30	W91-P1	South	Civil City Park (Vinod Park, opposite Jeevodaya nursing home	Park
31	W76-P1	South	Nehru Rose Garden	Vacant Land
32	W27-P1	South	BSUP Flats MC Flats (AMRUT)	Vacant Land
33	W74-P2	South	Wadewal Avana New Aggar Nagar	Park
34	W74-P1	South	Citizen Enclave	Vacant Land
35	W25-P2	South	Trikona Park, Bhamia Road	Park
36	W72-P1	South	Trikona Park, Sunet Village, I Block, B R S Nagar	Park
37	W47-P1	South	Lal Quarters, Azad Nagar(Abdullpur Basti)	Vacant land
38	W46-P1	South	13 No. Tubewell Park (Model Town)	Park
39	-		CRPF colony park opposite HIG flat	No Information
40	W39-P2	South	Golden Park 2	Park

10.

S. No.	ESR Name	Zone	ESR Location	Present Land Use
41	W39-P1	South	Golden Park 1	Park
42	W30-P3	South	Giaspura Mini Rose Garden 1	Park
43	W30-P2	South	Giaspura Mini Rose Garden 2	Park
44	W30-P1	South	Open Land opp. Indian Oil Petrol Bunk, Giaspura Mini Rose Garden	Vacant land
45	W31-P2	South	Giaspura Flats 2	Vacant land
46	W31-P1	South	Giaspura Flats 1	Vacant Land
47	W15-P1	North	Kuliewal, New National Colony (Amrut)	Vacant Land
48	W29-P1	South	Village- Giyashpura, Indira Park 2 (AMRUT)	Park
49	W71-P1	South	Village- Sunet, Opposite Keys Hotel (AMRUT)	Vacant Land
50	W28-P1	South	Village- Dhindari Khurd, Durga Colony Near T/w (AMRUT)	Vacant land
51	W28-P2	South	Open Land besides Kanganwal graveyard near police station (Amrut)	Ground
52	W27-P4	North	Village- Mundia Khurd, Fortis Hospital (Amrut)	Park
53	W74-P3	South	Village – Bardhe wall, Mahaveer Enclave (AMRUT)	Vacant Land
54	W19-P1	North	LIG housing park near green land school (Amrut)	Park
55	W16-P1	North	Land Opposite Govt. Primary School, Bhamian Road Amrut	Vacant Land
56	W30-P4	South	Dhandari Park, near suwida centre (AMRUT)	Vacant Land
57	W30-P5	South	Daba Shamshan Ghat Amrut	Ground
58	W33-P1	South	Lohara Shamshan Ghat Amrut	Ground

10.

No-objection Certificate for the 3 land parcels under the Ownership of GLADA



GREATER LUDHIANA AREA DEVELOPMENT AUTHORITY
GLADA Complex, Ferozpur Road, Ludhiana

2700/ACA/8
15/8/23
482/act/14
27/02/23
6035/552/0
2/8/23

ਸ਼ਹਿਰ ਕਮਿਸ਼ਨਰ (ਏ)
ਨਗਰ ਨਿਗਮ, ਲੁਧਿਆਣਾ।

J.C.M.
-54/10
J.C.(A)

ਨੰ: ਮੁ: ਪੁ: ਗਲਾਡਾ/ਲੁਧਿ/2023/ 135 ਮਿਤੀ: 9-2-23

KEN-D

ਵਿਸ਼ਾ: ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀਆਂ ਸਾਈਟਾਂ ਸਬੰਧੀ ਐਨ.ਓ.ਸੀ. ਲੈਣ ਸਬੰਧੀ।

ਰਵਾਲ: ਆਪ ਦੇ ਦਫਤਰੀ ਪੱਤਰ ਨੰ. 181/ACA/D ਮਿਤੀ 10.06.2022 ਦੇ ਸਬੰਧ ਵਿਚ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿਚ ਆਪ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਤਹਿਤ ਆਪ ਵੱਲੋਂ ਲੁਧਿਆਣਾ ਸ਼ਹਿਰ ਵਾਸੀਆਂ ਨੂੰ ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਓ.ਐਚ.ਐਸ.ਆਰ. ਰਾਹੀਂ ਮੁਹੱਈਆ ਕਰਵਾਉਣ ਲਈ ਗਲਾਡਾ ਅਧੀਨ ਆਉਂਦੇ ਏਰੀਏ ਵਿਚ ਨਵੇਂ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਉਸਾਰੀ ਅਤੇ ਪ੍ਰਬੰਧਨ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਰਿਪੇਅਰ ਕਰਨ ਸਬੰਧੀ NOC ਦੀ ਮੰਗ ਕੀਤੀ ਗਈ ਸੀ। ਗਲਾਡਾ ਵੱਲੋਂ ਉਕਤ ਕੰਮ ਲਈ NOC ਹੇਠ ਲਿਖੇ ਸ਼ਰਤਾਂ ਅਨੁਸਾਰ ਜਾਰੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ:-

etc

1. ਗਲਾਡਾ ਅਧੀਨ ਪੈਂਦੀਆਂ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਮਲਕੀਅਤ ਗਲਾਡਾ ਦੇ ਨਾਮ ਤੇ ਹੀ ਰਹੇਗੀ।
2. ਉਕਤ ਕੰਮ ਸ਼ੁਰੂ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਅਤੇ ਕੰਮ ਦੌਰਾਨ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ PWD, PWSSB, PPCB, PSPCL, IRRIGATION, PWRMDC, PWRDA, MINING & GEOLOGY & DEPARTMENT ਅਤੇ PUDA ਵਿਭਾਗ ਪੰਜਾਬ ਸਰਕਾਰ ਵੱਲੋਂ ਵੱਖ-ਵੱਖ ਸਮੇਂ ਤੇ ਜਾਰੀ ਕੀਤੀਆਂ ਹਦਾਇਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨ ਦਾ ਪਾਬੰਦ ਹੋਵੇਗਾ।
3. ਜੇਕਰ ਉਕਤ ਕੰਮ ਦੇ ਕਾਰਨ ਗਲਾਡਾ ਦੀਆਂ ਓ.ਐਚ.ਐਸ.ਆਰ. ਵਾਟਰ ਸਪਲਾਈ ਸਿਸਟਮ, ਸੀਵਰੇਜ, ਰੋਡ ਜਾਂ ਹੋਰ ਕਿਸੇ ਸਟਰਕਚਰ ਨੂੰ ਨੁਕਸਾਨ ਪਹੁੰਚਦਾ ਹੈ ਤਾਂ ਇਸਦੀ ਰਿਪੇਅਰ/ਨੁਕਸਾਨ/ਅਦਾਇਗੀ ਦੀ ਨਿਰੋਲ ਜ਼ਿੰਮੇਵਾਰੀ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਦੀ ਹੋਵੇਗੀ।
4. ਜੇਕਰ ਉਕਤ ਕੰਮ ਦੇ ਕਾਰਨ ਕੋਈ ਵੀ ਪਹਿਲਾਂ ਉਸਾਰੀ ਗਈ ਸਟਰਕਚਰ Structurally Unsafe ਹੁੰਦੀ ਹੈ ਅਤੇ ਇਸ ਨਾਲ ਕੋਈ ਜਾਨੀ-ਮਾਲੀ ਨੁਕਸਾਨ ਹੁੰਦਾ ਹੈ ਤਾਂ ਇਸਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਦੀ ਹੋਵੇਗੀ।
5. ਉਕਤ ਕੰਮ ਨੂੰ ਕਰਨ ਵਾਲੀ ਏਜੰਸੀ ਕੰਮ ਸ਼ੁਰੂ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਪੁੰਡਾ/ਗਲਾਡਾ ਦੇ ਨਾਮ ਤੇ ਉਕਤ ਕੰਮ ਦੀ ਲਾਗਤ ਦਾ 10% ਭਾਰ ਭੈਕ ਗਰੰਟੀ ਵਜੋਂ ਜਮਾਂ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗੀ ਅਤੇ ਇਸ ਭੈਕ ਗਰੰਟੀ ਨੂੰ ਉਕਤ ਕੰਮ ਦਾ Defect and Liability Period ਖਤਮ ਹੋਣ ਉਪਰੰਤ ਰਿਲੀਜ਼ ਕੀਤਾ ਜਾਵੇਗਾ।
6. ਜੇਕਰ ਇਸ ਕੰਮ ਦੌਰਾਨ ਕੋਈ ਦੁਰਘਟਨਾ ਵਾਪਰਦੀ ਹੈ ਤਾਂ ਇਸ ਦੀ ਨਿਰੋਲ ਜ਼ਿੰਮੇਵਾਰੀ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਦੀ ਹੋਵੇਗੀ।
7. ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਉਕਤ ਕੰਮ ਨੂੰ ਪੀ.ਡਬਲਯੂ.ਓ. ਪੁੰਡਾ/ਗਲਾਡਾ/MORTH specifications ਅਤੇ provisions ਅਨੁਸਾਰ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।
8. ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਵਾਟਰ ਸਪਲਾਈ ਲਾਈਨ ਵਿਛਾਉਣ ਤੋਂ ਪਹਿਲਾਂ ਉਕਤ ਪਾਇਪ ਲਾਈਨ ਦੇ ਡੁੱਬ ਦੇ detailed comprehensive proposal ਨੂੰ ਗਲਾਡਾ ਤੋਂ ਅਪਰੂਵ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।
9. ਉਕਤ ਕੰਮ ਨਾਲ ਸਬੰਧਤ ਕਿਸੇ ਵੀ ਮਿਟੀਜ਼ੇਸ਼ਨ/ਕੋਰਟ ਕੇਸ ਆਦਿ ਦੇ ਨਿਪਟਾਰੇ ਲਈ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।

ਸ਼ਹਿਰ ਕਮਿਸ਼ਨਰ,
ਨਗਰ ਨਿਗਮ,
ਲੁਧਿਆਣਾ।

ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ

ਵੱਲ

ਮੁੱਖ ਪ੍ਰਸ਼ਾਸਕ
ਗਰੇਟਰ ਲੁਧਿਆਣਾ ਏਰੀਆ ਡਵੈਲਪਮੈਂਟ ਅਥਾਰਿਟੀ,
ਲੁਧਿਆਣਾ।

ਨੰ. 181/ACP/0

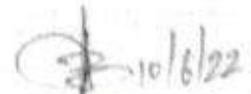
ਮਿਤੀ 10/6/22

ਬਿਸ਼ਾ: ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀਆਂ ਸਾਈਟਾਂ ਸਰੰਬੀ ਐਨ.ਓ.ਸੀ. ਲੈਣ ਬਾਰੇ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਜੀ ਦੇ ਧਿਆਨ ਵਿੱਚ ਲਿਆਇਆ ਜਾਂਦਾ ਹੈ ਕਿ ਲੁਧਿਆਣਾ ਸ਼ਹਿਰ ਵਾਸੀਆਂ ਨੂੰ ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਓ.ਐਚ.ਐਸ.ਆਰ. ਰਾਹੀਂ ਮੁਹੱਈਆ ਕਰਵਾਉਣ ਲਈ ਵਰਲਡ ਬੈਂਕ ਲੋਨ ਸਕੀਮ ਅਧੀਨ ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਵੱਲੋਂ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕੀਤਾ ਗਿਆ ਹੈ, ਜਿਸ ਦੀ ਪ੍ਰਵਾਨਗੀ ਸਰਕਾਰ ਵਲੋਂ ਦਿੱਤੀ ਜਾ ਚੁੱਕੀ ਹੈ ਅਤੇ ਜਲਦੀ ਹੀ ਇਸ ਕੰਮ ਦੇ ਟੈਂਡਰ ਲਗਾਏ ਜਾ ਰਹੇ ਹਨ।

ਇਸ ਪ੍ਰੋਜੈਕਟ ਦੇ ਸਬੰਧ ਵਿੱਚ ਕਮਿਸ਼ਨਰ, ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਜੀ ਵਲੋਂ ਮਿਤੀ 02-06-2022 ਨੂੰ ਰੀਵਿਊ ਮੀਟਿੰਗ ਕੀਤੀ ਗਈ ਸੀ। ਇਸ ਮੀਟਿੰਗ ਦੌਰਾਨ ਇਹ ਫੈਸਲਾ ਲਿਆ ਗਿਆ ਸੀ ਕਿ ਇਸ ਪ੍ਰੋਜੈਕਟ ਅਧੀਨ ਕੁਝ ਓ.ਐਚ.ਐਸ.ਆਰ. ਜੋ ਪੁਰਾਣੀਆਂ ਬਣੀਆਂ ਹੋਈਆਂ ਹਨ, ਦੀ ਰਿਪੋਰਟ ਅਤੇ ਕੁਝ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਨਵੀਂ ਉਸਾਰੀ ਕੀਤੀ ਜਾਣੀ ਹੈ, ਵਾਸਤੇ ਗਲਾਡਾ ਵਲੋਂ ਐਨ.ਓ.ਸੀ. ਜਾਰੀ ਕੀਤੀ ਜਾਵੇ ਕਿਉਂਕਿ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਲਿਸਟ ਅਨੁਸਾਰ ਕੁਝ ਓ.ਐਚ.ਐਸ.ਆਰ.ਜਾਂ ਦਾ ਏਰੀਆ ਗਲਾਡਾ ਦੇ ਅਧੀਨ ਆਉਂਦਾ ਹੈ।

ਲੁਧਿਆਣਾ ਸ਼ਹਿਰ ਵਾਸੀਆਂ ਨੂੰ ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਦਾ ਇਹ ਪ੍ਰੋਜੈਕਟ ਇਕ ਅਹਿਮ ਪ੍ਰੋਜੈਕਟ ਹੈ ਜੋ ਕਿ ਸਰਕਾਰ ਪੱਧਰ ਤੇ ਰੀਵਿਊ ਕੀਤਾ ਜਾ ਰਿਹਾ ਹੈ। ਇਸ ਲਈ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਨਾਲ ਨੱਥੀ ਲਿਸਟ ਅਨੁਸਾਰ ਜੋ ਓ.ਐਚ.ਐਸ.ਆਰ.ਜਾਂ ਦਾ ਏਰੀਆ ਗਲਾਡਾ ਅਧੀਨ ਆਉਂਦਾ ਹੈ, ਉਹਨਾਂ ਇਲਾਕਿਆਂ ਵਿੱਚ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਰਿਪੋਰਟ ਕਰਨ ਅਤੇ ਨਵੇਂ ਓ.ਐਚ.ਐਸ.ਆਰ. ਬਣਾਉਣ ਦੇ ਲਈ ਐਨ.ਓ.ਸੀ. ਜਾਰੀ ਕੀਤੀ ਜਾਵੇ ਤਾਂ ਜੋ ਇਸ ਪ੍ਰੋਜੈਕਟ ਨੂੰ ਨਿਰਵਿਘਨ ਨਿਪਟੇ ਚਾੜ੍ਹਿਆ ਜਾ ਸਕੇ। ਇਸ ਤੋਂ ਇਲਾਵਾ ਜੇਕਰ ਕਿਸੇ ਹੋਰ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀ ਜਗ੍ਹਾ ਬਾਰੇ ਐਨ.ਓ.ਸੀ. ਲੱਭੀ ਜਾਵੇਗੀ ਤਾਂ ਆਪ ਜੀ ਨੂੰ ਬਾਅਦ ਵਿੱਚ ਸੂਚਿਤ ਕਰ ਦਿੱਤਾ ਜਾਵੇਗਾ।


ਦਫ਼ਤਰੀ ਕਮਿਸ਼ਨਰ (ਓ),
ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ।

OHSRs Land Details under GLADA

Sr. No	Location / Area Name	OHSRs	
		Existing	Proposed
1	Sector 33 Park(2ML)		Yes
2	Main water works Sector 38-A	Yes	
3	New water works Sector 32-A	Yes	
4	Kirti Nagar sector 39-A	Yes	
5	Opp Dental college Sector-40	Yes	
6	Community Center Phase-II	Yes	
7	Children's Park, near Old Jail (1.5ML)		Yes
8	Open Land Opp Old Jail (1.5ML)		Yes
9	Phase III near Coca Cola Factory	Yes	
10	Park, Opp Veer Palace(1.5ML)		Yes
11	Focal Point (opp Thanna)(0.45ML)	Yes	
12	Budha Park, Jeevan nagar chowk		YES (AMRUT)
13	Dugri Phase 3		Yes

Amrut

Amrut

Sumudra

No-objection Certificate for the 3 land parcels under the Ownership of GLADA (Tran scripted Version)

**Greater Ludhiana Area Development Authority (GLADA)
Glada Complex, Ferozpur Road, Ludhiana**

To

Additional Commissioner (A)

Municipal Corporation, Ludhiana

Subject: NOC for ESR sites for canal water supply

Reference: Your letter No. 181/ACA/D dated 10.06.2022

With reference to the above-mentioned subject, it is informed to you that vide your letter under reference, NOC for construction of new ESRs and repair of old ESRs in GLADA area for supplying canal water to Ludhiana city residents through ESRs was requested. NOC is hereby being granted by GLADA for the said work subject to the following conditions:

1. The ownership of ESRs falling under GLADA shall remain with GLADA only.
2. Before starting the said work and during the course of work, the Municipal Corporation, Ludhiana will be bound to follow the instructions issued by the Departments of PWD, PWSSB, PPCB, PSPCL, Irrigation, PWRMDC, PWRDA, Mining & Geology & Department of PUDA, Punjab Government from time to time.
3. If the canal water supply system, sewerage, roads or any other structure of GLADA is damaged due to the said work, the responsibility of its repair/damage/compensation shall solely lie with the Municipal Corporation, Ludhiana.
4. If any earlier constructed structure becomes structurally unsafe due to the said work and if there is any loss of life or property due to it, the responsibility for the same will lie with the Municipal Corporation, Ludhiana.
5. The agency executing the said work shall be bound to deposit 10% of the cost of the said work as bank guarantee in the name of PUDA/GLADA before starting the work and this bank guarantee shall be released after the expiry of the defect and liability period of the said work.
6. If any accident occurs during this work, the entire responsibility for it will lie with the Municipal Corporation, Ludhiana.
7. The Municipal Corporation, Ludhiana will be bound to get the said work done as per PWD/PUDA/GLADA/MORTH specifications and provisions.
8. The Municipal Corporation, Ludhiana will be bound to get a detailed comprehensive proposal of the route of the water supply line for laying the water supply line approved by GLADA before laying it.
9. The Municipal Corporation, Ludhiana will be responsible for the settlement of any litigation/court case etc. related to the said work.

Memo No. 2700/ACA/9

Dated: 15/2/23

Dispatched on: 21/02/23

Municipal Corporation of Ludhiana

Rama Mandi Ludhiana Area Development Authority

8181/ACA/O Br 10/6/22

Subject: Regarding NOC for ESR sites for canal water supply

With reference to the above-mentioned subject, it is brought to your attention that a project has been prepared by Municipal Corporation of Ludhiana under the World Bank Loan Scheme to provide canal water supply to Ludhiana city residents through ESRs. The project has been approved by the government and tenders for the work will be issued soon.

In connection with this project, a review meeting was held by Commissioner, Municipal Corporation of Ludhiana on 02-06-2022. During this meeting, it was decided that GLADA should issue NOC for repair of some existing ESRs and construction of new ESRs under this project, as some of the ESR sites fall under GLADA jurisdiction (as per the attached list with this letter).

Ludhiana city water supply canal water supply project is an important project being reviewed at government level. Therefore, it is requested that NOC be issued for repair of ESRs and construction of new ESRs in the areas mentioned in the attached list, so that the project can be completed smoothly.

In addition, if NOC is required for any other ESR site, you will be informed later.

10/6/22

Executive Engineer (TE)

Municipal Corporation of Ludhiana

ESRs Land Details under GLADA

Sr. No.	Location/ Area Name	ESRs	
		Existing	Proposed
1	Sector 33 Park (2ML)		Yes
2	Main water works Sector 38-A	Yes	
3	New water works Sector 32-A	Yes	
4	Kirti Nagar Sector 39-A	Yes	
5	Opp. Dental college Sector-40	Yes	
6	Community Center Phase-II	Yes	
7	Children's Park, near Old Jail (1.5 ML)		Yes
8	Open Land Opp. Old Jail (1.5 ML)		Yes
9	Phase-III near Coca cola Factory	Yes	
10	Park, Opp. Veer Palace (1.5 ML)		Yes
11	Focal Point (opp Thanna) (0.45 ML)	Yes	
12	Budha Park, Jeevan nagar chowk		Yes
13	Dugri Phase 3		Yes

ਦਫਤਰ ਨਗਰ ਸੁਧਾਰ ਟਰੱਸਟ, ਲੁਧਿਆਣਾ

ਸੇਵਾ ਵਿਖੇ
 ਵਪੀਕ ਕਮਿਸ਼ਨਰ (ਏ),
 ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ
 ਮੀਮੇ ਨੰ. ਲਏਟਾ ਮਿਤੀ
 ਵਿਸ਼ਾ:- ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ. ਦੀਆਂ ਸਾਈਟਾਂ ਸਬੰਧੀ ਐਨ.ਓ.ਸੀ. ਜਾਰੀ ਕਰਨ ਸਬੰਧੀ।
 ਹਵਾਲਾ:- ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰ. 186/ACA/D ਮਿਤੀ 13-09-2022 ਦੇ ਸਬੰਧੀ।
 ਉਪਰੋਕਤ ਵਿਖੇ ਸਬੰਧੀ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਗਹੀਂ ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਵੱਲੋਂ ਟਰੱਸਟ ਦੀ ਵੱਖ-ਵੱਖ ਸਕੀਮਾਂ ਵਿੱਚ OHSR ਲਗਾਉਣ ਵਾਸਤੇ ਐਨ.ਓ.ਸੀ. ਜਾਰੀ ਕਰਨ ਸਬੰਧੀ ਲਿਖਿਆ ਗਿਆ ਹੈ। ਇਸ ਸਬੰਧੀ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ, ਨਗਰ ਸੁਧਾਰ ਟਰੱਸਟ ਲੁਧਿਆਣਾ ਅਤੇ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ (ਓ ਐਚ ਐਮ) ਨਗਰ ਨਿਗਮ, ਲੁਧਿਆਣਾ ਦੀ ਹੇਠੀ ਮੀਟਿੰਗ ਅਨੁਸਾਰ ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ ਲਗਾਉਣ ਲਈ ਕਨੈਕਟਿਵਿਟੀ/ਅਮੈਡਮੈਂਟ ਥਾਂਵਾਂ ਦੀ ਡਿਟੇਲ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਹੈ:-

OHSRs Land Details Under Ludhiana Improvement Trust				
Sr.no.	Location/Area Name	Amendment & Clarified Location as discussed with officers of Municipal Corporation	OHSRs	
			Existing Sites	Proposed New Sites
1	LIT Land opp. Park, Z block Ashok Vihar	Guru Ram Dass park Opp. Block-Z in Maharishi Balmik Nagar		Yes
2	Income Tax Dept Land, Opp. Govt. Polytechnic College for Girls	Green Belt adjoining PAU boundary opp. Govt. Polytechnic College for Girls		Yes
3	Shaheed Bhagat Singh Nagar F-Block	Shaheed Bhagat Singh Nagar F-Block	Yes	
4	Shaheed Bhagat Singh Nagar G-Block	Shaheed Bhagat Singh Nagar G-Block	Yes	
5	B-Block T/w Rajguru Nagar	B-Block T/w Rajguru Nagar	Yes	
6	Sant Isher Nagar	Sant Isher Nagar	Yes	
7	Near E-Block, Rishi Nagar	Guru Amar Dass Park in Block-E, Maharishi Balmik Nagar	Yes	
8	MCL Land, Govind Nagar backside Indoor Stadium	Trust Land in Vikas Nagar backside Indoor Stadium		Yes

ਉਕਤ ਥਾਂਵਾਂ ਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ ਲਗਾਉਣ ਸਬੰਧੀ ਪ੍ਰਵਾਨਗੀ/ਐਨ.ਓ.ਸੀ. ਵਡੇਰੇ ਲੋਕ ਇੰਤ ਅਤੇ ਸੁੱਖੇ ਦੇ ਅਹਿਮ ਪ੍ਰੋਜੈਕਟ ਹੋਣ ਕਾਰਨ ਮਾਨਯੋਗ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ-ਕਮ-ਚੇਅਰ ਪਰਸਨ ਜੀ ਦੀ ਪ੍ਰਵਾਨਗੀ/ਹੁਕਮ ਮਿਤੀ 14-09-2022 ਅਨੁਸਾਰ ਟਰੱਸਟ ਅਤੇ ਸਰਕਾਰ ਦੀ ਪੂਰਵ ਪ੍ਰਵਾਨਗੀ ਦੀ ਆਸ ਵਿੱਚ ਹੇਠ ਲਿਖਿਆ ਸ਼ਰਤਾਂ ਅਨੁਸਾਰ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ:-

- ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ ਦੇ ਕੰਮ ਟੈਰਾਨ ਆਪ ਨੂੰ ਦਿੱਤੀਆਂ ਸਾਈਟਾਂ ਉੱਪਰ ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੀ ਟਰੱਸਟ ਪ੍ਰਾਪਰਟੀ ਡੈਮੇਜ ਨਹੀਂ ਹੋਣੀ ਚਾਹੀਦੀ। ਜੇਕਰ ਕੰਮ ਦੀ ਲੋੜ ਨੂੰ ਵੇਖਦੇ ਹੋਏ ਅਜਿਹਾ ਬੁੱਝ ਕਰਨਾ ਚੀ ਪੈਂਦਾ ਹੈ ਜਿਵੇਂ ਕਿ ਵਿਚਾਰਾਂ ਆਦਿ ਫਾਹਣ ਦੀ ਜਰੂਰਤ ਮਹਿਸੂਸ ਹੁੰਦੀ ਹੈ ਤਾਂ ਕੰਮ ਤੇ ਬਾਅਦ ਸਾਈਟ ਨੂੰ ਪੂਰੀ ਤਰ੍ਹਾਂ ਰਿਜਟੋਰ ਕੀਤਾ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।
- ਉਕਤ ਸਾਈਟਾਂ ਉੱਪਰ ਨਹਿਰੀ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਵਾਸਤੇ ਓ.ਐਚ.ਐਸ.ਆਰ ਲਗਾਉਣ ਉੱਪਰੰਤ ਸਾਈਟਾਂ ਦੇ ਅਲੋ-ਦੁਆਲੇ ਗਰੀਨਰੀ/ਬੁੱਟੇ/ਰੁੱਖ ਆਦਿ ਵੀ ਲਗਾਏ ਜਾਣ ਤਾਂ ਜੋ ਇਨ੍ਹਾਂ ਦੀ ਇੱਕ ਸੋਹਣੀ ਅਤੇ ਅਤੇ ਆਲਾ ਦੁਆਲਾ ਖੁਸ਼ਨੁਮਾ ਲਗੇ।
- ਲੜੀ ਨੰ. 8 ਦੇ ਓ.ਐਚ.ਐਸ.ਆਰ ਦੀ ਲੋਕੇਸ਼ਨ ਓ.ਡਬਲਯੂ.ਐਸ. ਫਲੈਟਾਂ ਦੀ ਪਲੇਨਿੰਗ ਉੱਪਰੰਤ ਵੱਖਰੇ ਤੌਰ ਤੇ ਆਪ ਜੀ ਨੂੰ ਸੂਚਿਤ ਕਰ ਦਿੱਤਾ ਜਾਵੇਗਾ।

-ਸੀ-
 ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ
 ਨਗਰ ਸੁਧਾਰ ਟਰੱਸਟ, ਲੁਧਿਆਣਾ

ਮਿੰਨ ਅੰਕਣ ਨੰ.ਲਏਟਾ 5038 ਮਿਤੀ 15.09.2022

- ਉਪਰੋਕਤ ਦਾ ਇੱਕ ਉਤਾਰ:-
- ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ-ਕਮ-ਚੇਅਰ ਪਰਸਨ, ਨਗਰ ਸੁਧਾਰ ਟਰੱਸਟ ਲੁਧਿਆਣਾ
 - ਕਮਿਸ਼ਨਰ, ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ ਜੀ ਨੂੰ ਜਾਣਕਾਰੀ ਅਤੇ ਅਗੇਤੀ ਸੂਚਨਾ ਵਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।

-ਸੀ-
 ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ
 ਨਗਰ ਸੁਧਾਰ ਟਰੱਸਟ, ਲੁਧਿਆਣਾ

No-objection Certificate for the 3 land parcels under the Ownership of LIT (Transcript version)**Office of Improvement Trust Ludhiana**

To

The Additional Commissioner (A), Municipal Corporation of Ludhiana.

Subject: Regarding NOC for ESR sites for canal water supply

Reference: Your letter No. 186/ACA/D dated 13-06-2022

With reference to the above-mentioned subject, this is to inform you that during a meeting held on 20/09/2022 between officials of Municipal Corporation of Ludhiana and Improvement Trust Ludhiana regarding finalizing ESRs in various schemes of your department, the following details are clarified/amended in respect of ESR sites subject to GLADA (Greater Ludhiana Area Development Authority):

ESRs Land Details Under Ludhiana Improvement Trust

Sr. No.	Location/Area Name (Existing Sites)	Amendment & Clarified Location (as discussed with officers of Municipal Corporation)	New Sites	Yes/No
1	LIT Land opp. Park, Z block Ashok Vihar	Guru Ram Dass Park Opp. Block-Z in Maharishi Balmik Nagar		Yes
2	Income Tax Dept Land, Opp. Govt. Polytechnic College for Girls	Green Belt adjoining PAU boundary opp. Govt. Polytechnic College for Girls		Yes
3	Shaheed Bhagat Singh Nagar F-Block	Shaheed Bhagat Singh Nagar F-Block		Yes
4	Shaheed Bhagat Singh Nagar G-Block	Shaheed Bhagat Singh Nagar G-Block		Yes
5	B-Block T/w Rajguru Nagar	B-Block T/w Rajguru Nagar		Yes
6	Sant Isher Nagar Near E-Block, Rishi Nagar	Sant Isher Nagar	Guru Amar Dass Park in Block-E, Maharishi Balmik Nagar	Yes
7	Near E-Block Rishi Nagar	Guru Amar Dass Park in Block-E, Maharishi Balmik Nagar	Yes	
8	MCL Land, Govind Nagar backside Indoor Stadium	Trust Land in Vikas Nagar backside Indoor Stadium		Yes

Approval/NOC for fixing ESRs at the above-mentioned locations has been granted considering the larger public interest and the project being of prime importance to the state, subject to the following conditions as per the approval/order dated 14-09-2022 of the Worthy Deputy Commissioner-cum-Chairman:

1. The work of constructing ESRs for canal water supply at the sites provided to you by Improvement Trust should not cause any damage to Trust property. If, however, due to the work requirement, some damage is caused, such as construction of walls, it must be ensured that the site is fully restored after the work is completed.
2. After fixing ESRs for canal water supply at the above-mentioned sites, greenery/plants/trees etc. should also be planted around the sites to improve their aesthetics and make the surroundings pleasant.
3. The location of ESR No. 8 will be intimated to you separately after planning of EWS flats.

Supervisor Engineer
Improvement Trust Ludhiana
Dated 15.08.2022

The above is a copy of:

1. Deputy Commissioner-cum-Chairman Improvement Trust Ludhiana.
2. Commissioner, Municipal Corporation of Ludhiana.

Sent for information and further action.

Supervisor Engineer
Improvement Trust Ludhiana

No-Objection Certificate from Loh Lungar Trust

Not Available¹

¹ PIU needs to be obtain the No-Objection Certificate.

Annexure 8B: No-objection Undertaking by RWAs

1.	ESR Location: NKH Park, near Cheema Chowk	ESR Name: W20-P1
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Undertaking
To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Link road Gnd Area 'A' colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Link road Gnd Area, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name N.K.H Park located within our colony name Link road Gnd Area 'A'

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

Polay 9814727077

Ajith
7814190422

Shuman
9316826576

Pravals
8528598076

Rakesh
9815499200

My name
9

2.

ESR Location: Shahidi Park, Kidwai Nagar, near Sub Zone B1

ESR Name: W53-P1

Undertaking

To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Kidwai Nagar colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Kidwai Nagar (D.H.), hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name Shahidi Park, located within our colony name Kidwai Nagar

Khasra No. (Optional): _____

Land Area (Optional): _____

Honey Vig 8872136896

(Signature) Sanjeev Kumar 942688991 Brij Mohan 9888298450

Date: _____

Name & Title: _____

(Residents Welfare Association Stamp)

Kalinder Kumar - 9818834826

Nishant
98148
77577

V. Guler 9878432370

Anshu Singh 9814891265

Saravjit Singh 9814857265

3.

ESR Location: Vishkarma Colony Park

ESR Name: W18-P1

Undertaking

To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme In Ludhiana

We, the residents of Vishkarma colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Vishkarma Colony, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name Vishkarma Colony.

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

- ① Simranjeet Singh - 9914871429
- ② ~~Simranjeet Singh~~ - 9915776931
- ③ RISHU Prasad 8847376498
9872780191
- ④ ~~Vishal~~ 9872085119
- ⑤ Arjant Maurya 98558-11198
- 6 Balwinder Singh

4.

ESR Location: Chandralok Colony

ESR Name: W7-P1

Undertaking
To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Chandralok colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Chandralok, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name Chandralok.

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

1) ਮੁਖੀ ਰਾਮ

2) P.M.U - 9501175870

3) ਮਨਜੋਤ ਕੌਰ 9283825602

4) ਅਸ਼ਵਿਨੀ 99880-95284

5.

ESR Location: LIG housing park near green land school

ESR Name: W19-P1

Undertaking

To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of LIG Housing colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of LIG Housing, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name LIG Housing.

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

- 1) Rajinder 98158-60471 (7) Lovepreet 8558059001
LIG-302
- 2) Rajinder 85560-72411 (8) Meet Kaur 7973261901
- 3) manj. 97816-48408
- 4) Sandeep Shamja 8146620678
ਮਨਦੀਪ ਕੌਰ
- 5) 8146945675
- 6) Neelam 8146075455

UndertakingTo Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Sec-33 colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Sec-33, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name _____.

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)


Date:

Name & Title:

(Residents Welfare Association Stamp)

1) Ajay Malik.

98154-69340

2)  98725 47300

3) Harkamal Singh 7973178083

4)  9876966005

7.

ESR Location: Tankiwala Park BI-C

ESR Name: W14-P2

Undertaking

To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Tankiwala Park W14 colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Tankiwala Park W-14, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name Tankiwala Park W-14

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

Jotinder Singh
8000/00019

NO
94173-38566

Shyam Kumar

7626846754

Jotinder Singh

82830-67999

Undertaking

To Whomsoever It May Concern

Subject: No Objection for Construction of Elevated Service Reservoirs under Ludhiana Bulk Water Supply Scheme

We, the undersigned, representing the Residents Welfare Association (RWA) of Trikona Park, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name Trikona Park located within our colony name Kuliyawal.

We confirm that we were consulted and informed about the Ludhiana Bulk Water Supply Scheme and its potential impacts on the community. We believe that the construction of the ESR will contribute positively to the community's water supply system, and we fully support the initiative.

(Signature)

Date: 19-03-2024

Name & Title:

(Residents Welfare Association Stamp)

Harder Singh Saini
H.S. SODHI
PO (Retd.)
Free Suidha Centre
N 75, Kuliyawal, Jalandhar
Mun...

Poonam Rani
9872812675 8289005763
Sushma Dahi 8054437661
95015 59278 Veenu De

(Signature)

Name & Title:

Municipal Corporation of Ludhiana (MCL)

Official Stamp:

9.

ESR Location: Ansal Enclave Park

ESR Name: W25-P1

Undertaking
To Whomsoever It May Concern

Subject: No Objection for Construction of Elevated Service Reservoirs under Ludhiana Bulk Water Supply Scheme

We, the undersigned, representing the Residents Welfare Association (RWA) of Ansal Bachittar Enclave Ldh., hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name _____ located within our colony name _____.

We confirm that we were consulted and informed about the Ludhiana Bulk Water Supply Scheme and its potential impacts on the community. We believe that the construction of the ESR will contribute positively to the community's water supply system, and we fully support the initiative.

J. A. S.
(Signature)



Date:

Name & Title:

(Residents Welfare Association Stamp)

(Signature)

Name & Title:

Municipal Corporation of Ludhiana (MCL)

Official Stamp:

10

ESR Location: Land Opposite Govt. SMART Primary School,
Mundian

ESR Name: W27-P2

Undertaking
To Whomsoever It May Concern

Subject: No Objection for Construction of Elevated Service Reservoirs under Ludhiana Bulk Water Supply Scheme

We, the undersigned, representing the Residents Welfare Association (RWA) of Park Opp. Govt. Smart School, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name Tubewell park located within our colony name Mundian Kalan

We confirm that we were consulted and informed about the Ludhiana Bulk Water Supply Scheme and its potential impacts on the community. We believe that the construction of the ESR will contribute positively to the community's water supply system, and we fully support the initiative.

(Signature)

Date:

Name & Title:

(Residents Welfare Association Stamp)

(Signature)

Name & Title:

Municipal Corporation of Ludhiana (MCL)

Official Stamp:

Baljit Kaur
ਮਨਮੋਹਰ ਪਿੰਡ ਪੁਲਾੜ
98724-27907
Avtal Singh
98153-21786
ਮਨਮੋਹਰ ਪਿੰਡ
8146806862
ਮਨਮੋਹਰ ਪਿੰਡ
872906261
9464090915
Subjit - 7889111529
HARMAN 81996906366

UndertakingTo Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of Village Dhandari colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of Village Dhandari Kalan, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name Dhandari Park located within our colony name Village Dhandari Kalan

Khasia No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date: 19/03/2024

Name & Title:

(Residents Welfare Association Stamp)

1. ਮਗਮੈਂਟਰ ਸਿੰਮ ਸ/੦ ਚਲਵਾਂਡ ਸਿੰਮ # 842 ਦੌਵਾਜ਼ਾ ਪਿੰਡ ਏੰਡੀਓ ਰਕਾ. 807079004
2. ਮਦਨ ਮੋਰਨ ਸ/੦ ਸ਼ੀ ਕੇਵਨ ਸਿੰਮ # 844 ਪਿੰਡ ਏੰਡੀਓ ਰਕਾ. 7837621942 ਮਾਦਨ ਮਹਾਰ
3. ਮਗਮੈਂਟਰ ਸਿੰਮ ਸ/੦ ਮ. ਕੇ. ਓ. ਪਿੰਡ ਏੰਡੀਓ ਰਕਾ. 9316146261 ਮਾਦਨ ਮਹਾਰ
4. ਮੋਰਨ ਮੋਰਨ ਸ/੦ ਸ਼ੀ ਕੇਵਨ ਸਿੰਮ # 1079/108 ਏੰਡੀਓ ਰਕਾ. 98140-07641 ਮਾਦਨ ਮਹਾਰ
5. ਮਗਮੈਂਟਰ ਸਿੰਮ ਸ/੦ ਚਲਵਾਂਡ ਸਿੰਮ # 876 ਪਿੰਡ ਏੰਡੀਓ ਰਕਾ. 95924-68165 - ਮਾਦਨ ਮਹਾਰ
6. ਮਗਮੈਂਟਰ ਸਿੰਮ ਸ/੦ ਚਲਵਾਂਡ ਸਿੰਮ # 729/2 ਪਿੰਡ ਏੰਡੀਓ ਰਕਾ. 98 8839 3872 ਮਾਦਨ ਮਹਾਰ

Undertaking
To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of I Block, Sunet Village colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of _____, hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name Trikona Park, Sunet Village, I Block, B.R.S. Nagar located within our colony name _____.

Khasra No. (Optional): 60/13

Land Area (Optional): _____

ਮਰੀਦਾ

(Signature) ਮਰੀਦਾ ਸਿੰਘ

Date: 19-5-2024

Name & Title: ਮਰੀਦਾ ਸਿੰਘ, ਮੈਂਬਰ
(Residents Welfare Association Stamp)

① Selver Singh

ਮਰੀਦਾ ਸਿੰਘ

Sampal

Undertaking**To Whomsoever It May Concern****Project: Canal Based Bulk Water Supply Scheme in Ludhiana**

We, the residents of HIG Colony, Phase I ^{Dugri} Colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of HIG Colony Phase-I hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name CRPF Colony, N.R. H.No 2999 located within our colony name _____

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date: 19/3/24

Name & Titles

(Residents Welfare Association Stamp)

Mob. 9855403013

H.No 2999 Mayilkaur.
9738991000

Undertaking

To Whomsoever It May Concern

Project: Canal Based Bulk Water Supply Scheme in Ludhiana

We, the residents of 349 R Model Town Colony, were consulted and informed about the said project and its potential benefits on the community. We believe that the construction of the proposed Elevated Service Reservoir (ESR) will contribute to the clean and safe water supply access on a regular basis to the residents of our society. We unanimously support this initiative and extend our full support to the Municipal Corporation Ludhiana.

We, the undersigned, representing the Residents Welfare Association (RWA) of 349 R Model Town hereby certify that we have no objections to the proposed construction of the Elevated Service Reservoir (ESR) in the park name 13 No. Tubewell Park located within our colony name Model Town.

Khasra No. (Optional): _____

Land Area (Optional): _____

(Signature)

Date:

Name & Titles Arun Prreet Mahalla.

(Residents Welfare Association Stamp)

M. No. 9814052432.

Annexure 9: Analysis of Alternatives

ALTERNATIVE ANALYSIS

The World Bank's Environmental and Social Framework (ESF) requires feasible project alternatives to be considered during the ESIA process to avoid and/or minimize adverse impacts on the biological physical and social environment.

Ultimately, the preferred alternatives (i.e., technology, activity.) should have the least environmental and social impacts, must be clearly demonstrated that the preferred alternative performance level is consistent with the objectives of the ESSs and the applicable Environmental, Health and Safety Guidelines (EHSGs) of the World Bank.

The section below provides a description of the different alternatives considered during the feasibility phase and justification for selecting specific options.

Analysis of Alternatives-Environment and Social Consideration

The site selection for setting up the any project requires two distinct selection procedures, viz. i) a technical screening process based on economic & engineering; ii) environmental and social suitability. Various factors considered for the site selection are presented in the below section.

- **Consideration of Environment and Social aspects for WTP**

For selecting the site of WTP the following environmental and social consideration were taken into account:

- I. Minimizing the loss to Biodiversity Flora and Fauna of the site.
- II. Minimizing the impact of air and noise pollution in the nearby vicinity.
- III. Easy availability of land near the canal so as to reduce the transportation and energy cost for supply of water from intake to WTP. This will reduce greenhouse gas emission during the whole life cycle of water supply scheme.
- IV. Easy accessibility to the site during construction and operation phase of WTP
- V. Minimum disturbance and displacement and R&R issues to local community.
- VI. Minimum livelihood loss to local community

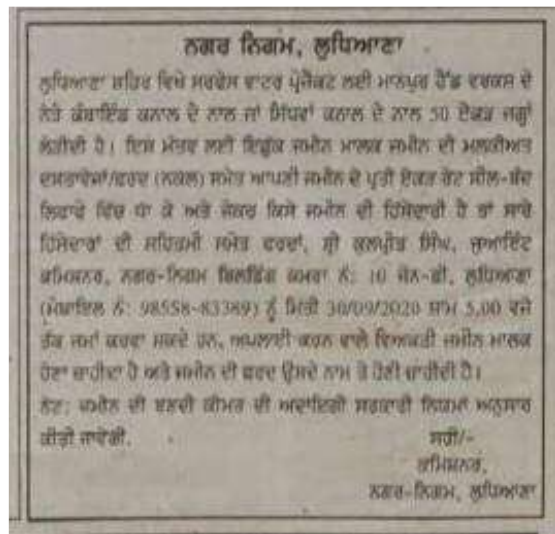


Figure 1: Advertisement for selection of site for the construction of WTP

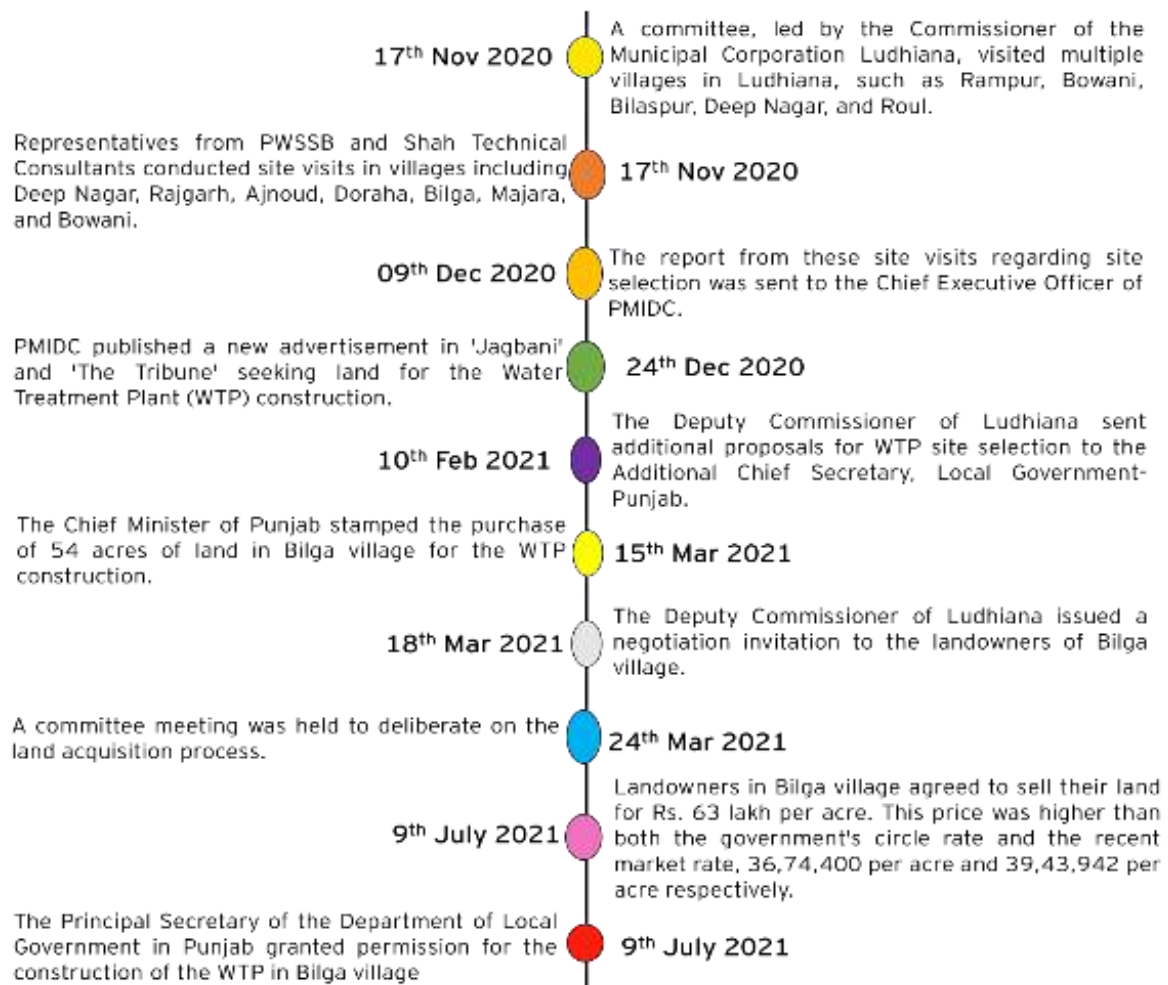


Figure 2: Procedure and Timeline for the purchase of the WTP Land

- **Consideration of Environment and Social aspects for ESRs**

For selecting the site of ESR the following environmental and social consideration were taken into account: For selecting the site of ESR the following environmental and social considerations were taken into account:

- I. ESR sites were decided based on easy availability of Government land without acquisition of private land for new construction of ESR.
- II. Using existing good condition ESR to the maximum extent possible
- III. Rehabilitation of existing ESR.
- IV. Minimizing the loss to Biodiversity Flora and Fauna of the site.
- V. Minimizing the impact of air and noise pollution in the nearby vicinity.
- VI. Easy accessibility to the site during construction and operation phase of ESR.
- VII. Minimum disturbance and displacement and R&R issues to local community.
- VIII. Minimum livelihood loss to local community
- IX. Minimum to the traffic during the construction phase

- **Consideration of Environment and Social aspects for laying of transmission line**

For selecting the RoW of the laying of the transmission line the following environmental and social consideration were taken into account:

- I. Using the RoW of existing road alignment for laying of the transmission pipeline to reduce the cost.
- II. Minimizing the loss to Biodiversity Flora and Fauna of the site.
- III. Minimum crossing of roads, highways, railway line canals etc.
- IV. Minimum damage to the nearby existing utilities and structures.
- V. Minimizing the traffic disturbance during the construction phase

VI. Minimizing the impact on livelihood of the mobile vendors.

• **Alternatives based on treatment technologies.**

The comparison table of chlorination and Ozonization methods for water treatment (WTP), including environmental and social considerations is given in Table 5.1 below:

Table 5.1: Comparison between Chlorination and Ozonization method

Aspect	Chlorination	Ozonisation
Water Treatment Process	Chemical treatment using chlorine	Oxidation using ozone gas
Effectiveness	Highly effective against a wide range of pathogens	Highly effective against a wide range of organic and inorganic contaminants
Disinfection By-products (DBPs)	May produce DBPs, such as THMs and HAAs; can be managed	Produces fewer DBPs, reducing the risk of DBP-related concerns
Residual Disinfectant	Leaves a chlorine residual, providing ongoing protection	No residual odor or taste; effective as a primary disinfectant
Environmental Considerations	Can have environmental impacts due to DBP formation, chlorine gas transportation risks	Produces ozone, requires electricity, but generates fewer harmful by-products
Social Considerations	Chlorine odor and taste may lead to consumer complaints	Less concern about taste and odor issues; higher water quality satisfaction among consumers
Treatment Cost	Generally cost-effective due to chlorine's affordability	Typically higher operational and maintenance costs
Resilience to Contaminant Spikes	Stable in the face of fluctuating water quality	Responds quickly to changes in water quality and contamination spikes

Chlorination is a common and effective method of disinfection with its own set of advantages. Here are some reasons:

- I. **Proven Effectiveness:** Chlorination has a long history of use and has proven to be highly effective in destroying a wide range of waterborne pathogens, including bacteria and viruses. It is a reliable method for ensuring safe drinking water.
- II. **Residual Disinfection:** Chlorine leaves a residual in the water distribution system, providing ongoing protection against microbial regrowth and contamination as water travels from the treatment plant to consumers' taps.
- III. **Economic Efficiency:** Chlorine is often more cost-effective than some alternative disinfection methods, making it a practical choice for many water treatment facilities, especially in areas with budget constraints.
- IV. **Ease of Implementation:** Chlorination is relatively easy to implement and can be integrated into existing water treatment processes with minimal modification.
- V. **Regulatory Compliance:** Chlorination is a well-regulated method, and guidelines for chlorine residual levels are widely established, ensuring compliance with health and safety standards.
- VI. **Disinfection By-Product Management:** While chlorination can produce disinfection by-products (DBPs), water treatment plants can implement strategies to manage and minimize DBP formation, such as using alternative disinfection methods or adjusting chlorine dosing to optimize DBP control.
- VII. **Taste and Odor Control:** Chlorination can help control taste and odor issues in water by eliminating certain compounds responsible for undesirable tastes and smells.
- VIII. **Emergency Response:** Chlorination can be rapidly adjusted in response to emergencies or contamination events, making it a valuable tool for safeguarding public health during crises.

The choice between Chlorination and Ozonisation should consider the specific needs, priorities, and circumstances of the water treatment plant and the community it serves. Chlorination remains a valuable and widely used method for ensuring safe drinking water.

Hence Option 1: Chlorination was chosen considering the above factors along with cost consideration and also taking adequate measures for handling of chlorine. Two type of filter is compared pressure sand filters and rapid sand filters for water treatment plants (WTP). Comparison of filter is given in Table 5.2 below.

• **Alternatives based choice of Filters for treatment process.**

Aspect	Option 1: Pressure Sand Filter	Option 2: Rapid Sand Filter
Filtration Rate	Higher	Lower
Footprint	Smaller	Larger
Maintenance	Relatively easy	More challenging
Efficiency	Less efficient for fine particles	Effective for fine particles
Capital Costs	Lower initial costs	Higher initial costs
Operational Costs	May be slightly higher	May be lower
Water Quality Requirements	Less stringent	High-quality output
Backwash Frequency	More frequent	Less frequent
Pre-Treatment Needs	May require pre-treatment	Can handle some turbidity

Table 5.2: Comparison between choices of filters

In summary, the choice between pressure sand filters and rapid sand filters in a water treatment plant should consider factors such as the desired filtration rate, water quality goals, space availability, energy consumption, maintenance requirements, environmental impact, and community preferences. Each filter type has its advantages and disadvantages, and the selection should align with the specific needs and priorities of the WTP and its stakeholders. Based on the analysis Option 2: Rapid Sand Filter was selected for treatment process.

Alternatives based on Transmission Line Network

The two alternatives for transmission line system are shown below in Figure 5.1.

1. Option 1: Pumping to zonal reservoirs and further to Service reservoirs.
2. Option 2: Pumping directly to Service Reservoirs

Comparison table of the two alternatives for the transmission line system is given in Table5.3.

Table 5.3: Comparison of Alternatives for Transmission Line System

Aspect	Option-1, Zonal Reservoirs	Option-2, Direct Pumping to Service Reservoirs
Complexity of Management	Easier to manage pumping from centralized zonal reservoirs.	Requires more complex management of direct pumping to service reservoirs.
Land Requirements	Requires additional land for zonal reservoirs and pumping systems.	Generally, requires less land as there are no zonal reservoirs.
Net Operating Cost	May have higher net operating costs due to land acquisition, zonal reservoir maintenance, and additional pumping systems.	May have lower net operating costs due to reduced land requirements and simplified infrastructure.
Water Supply Reliability	Potentially higher reliability due to zonal storage and distribution.	Slightly lower reliability as there is no zonal storage, but this can be mitigated through careful design and redundancy.
Maintenance Complexity	Maintenance of zonal reservoirs and pumping systems can be more complex.	Maintenance is simpler as there are fewer components in the system.

Aspect	Option-1, Zonal Reservoirs	Option-2, Direct Pumping to Service Reservoirs
Environmental Considerations	Requires additional land, which may have environmental impacts, such as habitat disruption or land use changes.	Generally, has a smaller environmental footprint due to reduced land requirements.
Social Considerations	Zonal reservoirs may provide improved water pressure and service reliability potentially leading to higher customer satisfaction.	Simpler infrastructure may result in fewer disruptions during construction and maintenance, which can be more favorable for the community.
Flexibility and Expansion	Zonal systems can offer more flexibility in expanding water supply capacity to different areas.	Direct pumping systems can be less flexible in expanding capacity without significant modifications.
Complexity of Management	Easier to manage pumping from centralized zonal reservoirs.	Requires more complex management of direct pumping to service reservoirs.
Land Requirements	Requires additional land for zonal reservoirs and pumping systems.	Generally, requires less land as there are no zonal reservoirs.
Net Operating Cost	May have higher net operating costs due to land acquisition, zonal reservoir maintenance, and additional pumping systems.	May have lower net operating costs due to reduced land requirements and simplified infrastructure.
Water Supply Reliability	Potentially higher reliability due to zonal storage and distribution.	Slightly lower reliability as there is no zonal storage, but this can be mitigated through careful design and redundancy.
Maintenance Complexity	Maintenance of zonal reservoirs and pumping systems can be more complex.	Maintenance is simpler as there are fewer components in the system.
Environmental Considerations	Requires additional land, which may have environmental impacts, such as habitat disruption or land use changes.	Generally, ha a smaller environmental footprint due to reduced land requirements.

In summary, the choice between zonal reservoirs and direct pumping to service reservoirs for the transmission line system should take into account factors such as management complexity, land requirements, operating costs, water supply reliability, maintenance, environmental impact, social considerations, and future expansion needs.

Zonal reservoirs make it less complex to manage pumping from the water treatment works but it requires additional land for the establishment of zonal reservoirs and pumping systems which would increase the net operating cost.

As such, Option 2 is proposed to directly pump to the service reservoirs and to facilitate the same, the service has been split into North zone and South zone.

1. Alternatives based on choice of Pipe Material

The options for choice of pipe material are given as below:

1. Ductile Iron
2. HDPE
3. uPVC/ cPVC
4. Mild Steel

The comparison between the above four options is provided in **Table 5.4**.

Table 5.4: Comparison between the three options

Parameter	Option-1 Ductile Iron	Option-2 Mild Steel	Option-3 HDPE	Option-4 uPVC/ cPVC
Rigidity	Rigid	Flexible	Flexible	Flexible
Hazen Williams Coefficient	130	130	140	140
Working pressure kg/sq. cm.	16 - 25	16 - 25	2.5 - 12	2.5 - 16
Ease of laying and jointing	Medium	Medium	Easy	Very Easy
Jointing method	Tyton	welding, threading, or using couplings	Welded	Solution
Connections	Easy	Easy	Easy	Easy
Tampering	Difficult	Difficult	Easy	Very Easy
Pipe location	Easy	Easy	Difficult	Difficult
Leak detection	Easy	Easy	Difficult	Difficult
Deformity risk	Very low	Very low	High	Medium
Risk of corrosion	Low	Low	No	No
Capital Cost	High	High	Medium	Low
Environmental Consideration	Lower environmental impact due to less flexible material.	Lower environmental impact due to less flexible material.	Environmentally friendly as it does not corrode or leach chemicals into the water.	Environmentally friendly as it does not corrode or leach chemicals into the water.
Social Consideration	Higher durability and reduced risk of tampering may lead to higher public trust.	Higher durability and reduced risk of tampering may lead to higher public trust.	Easier installation and lower cost may be favored by the community.	Easier installation and lower cost may be favored by the community.

In summary, the choice of pipe material should consider factors such as rigidity, pressure requirements, ease of installation, maintenance, risk of tampering, leak detection, environmental impact, and social considerations. It can be seen from the above table that HDPE and cPVC are economical but with less strength.

The critical parameter with highest weightage is the ease of leak detection for controlling the water losses during O&M, for which DI and MS pipes facilitates the best due to the high acoustic ability of the metallic pipes when compared to plastic pipes.

Ductile Iron (DI) and Mild Steel (MS) pipes are suggested due to their high durability, ease of leak detection, and potential for higher public trust. The City Corporation has been using DI and MS pipes in all the networks taken up under the AMRUT program.

In light of above, DI and MS pipes are suggested. In regard to pressure rating of DI pipes, it is suggested to use K9 class of pipes in compliance to IS:8329 (Clause 4.4 - Service Conditions) which provides for K9 class pipes for drinking water due to ability to withstand high operating pressure of 6.5MPa as against 0.8MPa for K7 class pipes which are meant for sewerage services.

Based on above consideration Option-1 and option 2 were selected.

2. Alternative of Water Source System

The alternatives considered for water sourcing are given below in **Table 5.5**.

Table 5.5: Alternatives for Water Sourcing

The option-3 of abstracting water from the canal and improving water treatment systems appears to be

Parameter	Option-1 Spring Fed System	Option-2 Existing Groundwater Abstraction	Option-3 Abstraction of Water from Canal
Description	Construction and/or upgrading of piped urban water systems using locally available springs to supply water to storage tanks for local	Existing system of piped water systems using locally available water abstracted by submersible pumps to header tanks for local distribution.	Construction of water treatment systems to supply target settlements from perennial Canal flow.
Assessment Outcome	This option was not feasible as the water yield would not be sufficient enough to supply the water to the Municipal Corporation Area.	This has led to rapid decline in groundwater levels (by 2.6 m from 2014 to 2016 in Ludhiana), limited-service delivery hours and coverage (7 hours/day in Ludhiana), incomplete, deteriorating distribution networks that cater to tube well supply, high levels of nonrevenue water (NRW, in excess of 60-65%) and poor cost recovery from user charges (around 30% due to flat tariffs and large scale exemptions).	Improved water supply services through (i) establishment of city-based ring-fenced water and wastewater entities; (ii) improved design, construction, O&M of WTPs and distribution networks, delivery of services and collection of tariffs with the support of capable private sector operators. (iii) expansion of coverage and service delivery hours through investments in distribution networks, storage networks and WTP that will use
Environmental Consideration	Potential positive environmental impact by utilizing natural springs with limited disturbance to	Negative impact on groundwater levels due to over- extraction, which can lead to land subsidence and environmental harm.	Depending on canal source, potential impact on aquatic ecosystems, but also potential for sustainable water source management if done responsibly.
Social Consideration	May not provide sufficient water for the population, leading to potential dissatisfaction.	Over-extraction of groundwater can lead to water scarcity, affecting daily life and livelihoods.	Improved service reliability, extended service hours, and expanded coverage can lead to higher customer satisfaction and improved public health.

the most viable choice, as it addresses the issues of groundwater over-extraction, poor service quality, and sustainability while also offering potential environmental benefits.

3. Alternatives based on Pump Station

The pump station alternatives comparison Table 5.6 is given below:

Table 5.6: Comparison of pump station

Pump Station Alternative	Option-1 Wet Well Pump Station	Option-2 Dry Well Pump Station
Description	Uses submersible or vertical turbine pumps that are submerged in water, making them out of sight.	Comprises open, visible pumps with easy access for maintenance. It includes switchgear and monitoring
Maintenance	Difficult to maintain as maintenance staff relies on instruments for failure indication.	Easy to maintain with direct visual access to pumps and instrumentation.
Cost	Cheaper than dry well pump stations due to simpler construction and fewer	Costlier than wet well pump stations due to the additional infrastructure and instrumentation.
Vulnerability to Flood Damage	Less vulnerable to flood damage as pumps are submerged.	More vulnerable to flood damage as pumps and instrumentation are
Environmental Considerations	Potential risk of contamination if floodwater enters the wet well.	Reduced risk of floodwater contamination as pumps and instrumentation are elevated.
Social Considerations	Difficult maintenance and potential contamination may result in service interruptions and customer dissatisfaction.	Easier maintenance and reduced flood vulnerability may lead to improved service reliability and customer satisfaction.

In summary, the choice between wet well and dry well pump stations should consider factors such as maintenance ease, cost, flood vulnerability, environmental impact, and social considerations. Dry well pump stations offer advantages in terms of maintenance ease and reduced flood vulnerability, but they are costlier to construct. Wet well pump stations are more cost-effective but come with maintenance challenges and potential contamination risks in flood-prone areas.

Based on above consideration option 1: The wet well pump station was chosen as the best alternative despite being less desirable from a monitoring and maintenance standpoint due to its substantially cheaper cost, which outweighed this key restriction. It was suggested that high quality submersible pumps be utilized along with efficient monitoring devices to provide early warning of any potential damage.

Alternative for Pipeline Route

The transmission pipeline will follow the existing road route. No alternatives were identified for the transmission pipeline route; however, the following technical, social and environmental factors were duly taken into consideration by MCL in the final decision of the pipeline route:

- **Existing road servitudes**, where practical and economically feasible the pipeline follows the route of existing roads. This reduces the need for land appropriation and improves access to pipeline during construction and for maintenance purposes.
- **Presence of railway crossings**
- **Presence of canal crossings**
- **Presence of greenery, trees and vegetated patches**

With and Without Project Scenario

With reference to current scenario, sources of water for domestic and agricultural use are based on ground water, as per the Punjab Water Regulation & Development Authority (PWRDA), the ground water condition of Ludhiana District falls under over exploited area. To reduce the dependency on the ground water MCL has

taken the initiative to shift from ground water to surface water supply i.e. from canal. The alternative of the project “with and without project” condition has been evaluated.

The “without project” alternative serves as a basis for comparison and can serve to validate the need and desirability for the project. Therefore, as standard practice and to satisfy regulatory requirements, the option of not proceeding with the project is included in the evaluation of the alternatives. The “without project” alternative is defined in the chapter of ESIA as the option of no construction of the Water Supply Improvement Project. Ultimately the mandate of ensuring access to a sustainable supply of potable water as per the provisions of the PMSIP will not be implemented. ‘Without Project’ is the situation before starting of the development work of the zones. With project scenario is considered when the project will be in the operation

Particulars	Without Project Scenario		With Project Scenario
Source	Water Source	The primary source of water for domestic and agricultural use remains groundwater.	The project is implemented to shift from groundwater to surface water supply, utilizing water from a canal for domestic and agricultural purposes.
Revenue	Revenue	The revenue generated annually from water cess is limited due to the reliance on groundwater.	The project is expected to lead to increased annual revenue for Urban Local Bodies (ULBs) through water cess and improved service delivery.
Environmental Aspect	Environmental Aspect	The groundwater resources are over-exploited, leading to environmental concerns such as land subsidence and potential contamination.	While setting up Water Treatment Plants (WTPs) and associated facilities may have initial environmental impacts, these can be effectively mitigated with appropriate measures. The project aims to reduce over-exploitation of groundwater, which can have positive environmental implications.
Social Aspect	Social Aspect	The dependency on groundwater persist and potentially worsen. This situation could result in a future water crisis, negatively impacting socio-economic growth in the region. Outward migration of people might occur due to water scarcity	The project aims to increase water supply deteriorating significantly
Economic development and employment opportunity	Job Opportunities	Job opportunities are unlikely to increase significantly without the project	Job opportunities are expected to increase for the local community during both the construction and operation phases of the project, contributing to economic development

phase. The ‘With’ and ‘Without’ Project Scenario is presented in Table 5.9.

Storage Capacity

The capacity of the service reservoir is calculated based on mass-balance analysis which is based on consumption pattern at the customer end. The consumption pattern is provided in the Figure 8. The supply hours are 24 hours.

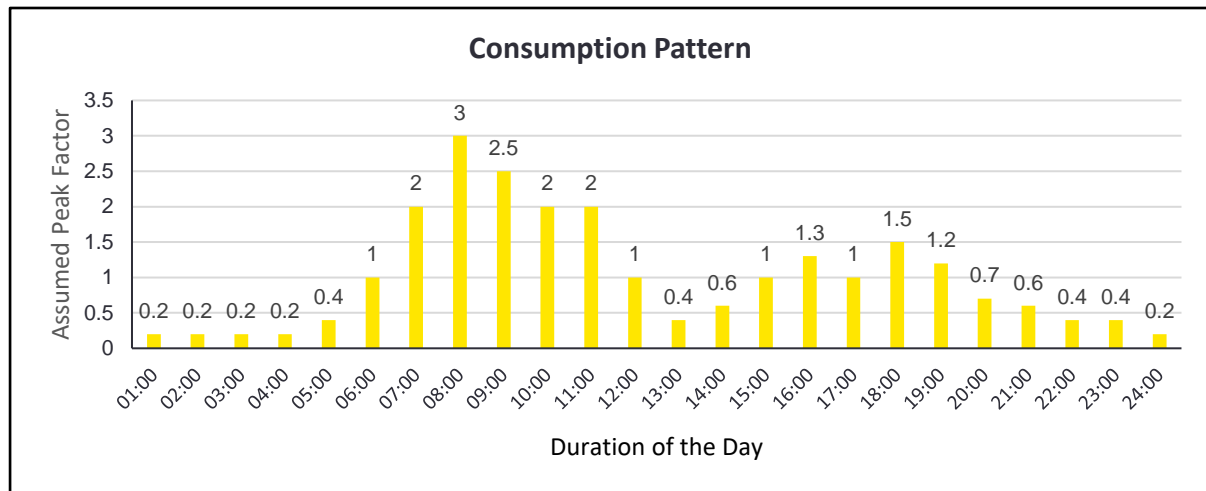


Figure 3: Consumption Pattern

Source: Feasibility Report

Based on the mass balance analysis, it was analysed that the storage capacity required is 30% of daily demand. In the event 24-hour pumping is ensured then the storage capacity required would be about 27% of the daily demand. The details of the capacities of the existing and proposed ESRs are already provided in the above sections.

It is proposed to utilise all the existing storage tanks with the assumption that in the event any tank is not recommended to be used either due to pressure limitations or structural safety, then a new tank can be constructed in the same location duly taking care safe demolition of the existing tank or the service area can be added to other reservoirs in the immediate neighbourhood. This is to address the issue of very limited availability of land in the city.²

On considering the capacity of existing reservoirs, the requirement of additional storage is determined for each area. As per the adequacy check, 31 new reservoirs in North and 24 reservoirs in South are proposed totalling to 81,500 cum capacity.³

Pumping Stations and Pumping Machinery

One pumping station is proposed inside the campus of the water treatment plant. Further 24-hour pumping was envisaged, and the pumping machinery proposed is mentioned in section 2.2.14 clear water pumping station and pumping machinery.

² Feasibility Report

³ At the time of feasibility study, 15 new tanks were proposed to be constructed under AMRUT, which were not considered under this study. Now, those 15 ESRs are part of this project, totaling the proposed ESRs to 70.

Annexure 10: Gender Based Action Plan Toolkit

The Gender-Based Violence Toolkit is a comprehensive resource designed to address gender-based violence, its prevention, response, and intervention strategies. It aims to provide guidance to individuals, PIU, PMU and communities working (i.e., Labour) to combat gender-based violence and create a workplace and labour camp free from violence and discrimination.

Violence against women and girls is one of the most prevalent human rights violations in the world. It knows no social, economic, or national boundaries. Worldwide, an estimated one in three women experiences physical or sexual abuse in her lifetime. Gender-based violence undermines the health, dignity, security, and autonomy of its victims, yet it remains shrouded in a culture of silence.

Introduction and Background

Addressing gender-based violence requires a multi-faceted approach involving education, policy changes, legal reforms, support services, community engagement, and empowerment. It is a collective responsibility that requires the commitment and collaboration of individuals, communities, governments, civil society organizations, and other stakeholders to create a society free from violence and discrimination.

Some key reasons highlighting the significance of addressing gender-based violence are Human Rights, Health and Well-being (It can lead to injuries, chronic health problems, sexually transmitted infections, mental health disorders, and even death.) Gender Equality, Economic Impact, Social Cohesion Intersections with Other Forms of Violence and Prevention and Breaking Cycles

Definition: Any act of violence or damaging behaviour that targets someone primarily because of their gender or the roles they consider themselves to play in society is referred to as gender-based violence. Although it affects people of all genders, especially women and girls, it is mostly caused by power disparities and inequities. Physical, sexual, emotional, and economic abuse are just a few examples of the many ways that gender-based violence can manifest. It can also take the form of damaging customs like child marriage and female genital mutilation.

Type of GBV

Intimate Partner Violence, Sexual Violence, Domestic Violence, Harmful Traditional Practices, Sexual Harassment (It refers to unwelcome sexual advances, comments, or behaviours that create a hostile or intimidating environment in workplaces, educational institutions, or public spaces.) and Human Trafficking (This involves the recruitment, transportation, or exploitation of individuals through force, fraud, or coercion for purposes such as forced labour, sexual exploitation, or forced marriage.)

Prevention strategies

- Promoting Gender Equality and Challenging Harmful Gender Norms
- Engaging Men and Boys as Allies
- Education and Awareness-Raising Campaigns
- Promoting Respectful Relationships and Consent
- Empowering Marginalized Communities
- Addressing Root Causes and Social Norms
- Collaboration and Multi-Sectoral Approaches

By implementing these strategies, we can work towards creating a society that values and upholds

gender equality, respect, and non-violence.

Response and intervention strategies

1. Immediate Response and Safety Planning

- Provide guidance on immediate steps for survivors to ensure their safety, such as finding a safe place, contacting authorities if necessary, and preserving evidence.
- Develop safety planning resources and tools to help survivors navigate their options and make informed decisions about their well-being.
- Raise awareness about emergency helplines and hotlines that offer immediate support and guidance.

• Legal Framework and Reporting Mechanisms

2. Inform survivors about their legal rights, including options for seeking justice, obtaining protection orders, and accessing legal aid services.

- Advocate for and support the implementation of strong legal frameworks that criminalize gender-based violence and ensure survivors' rights are protected.
- Raise awareness about reporting mechanisms, including police, specialized gender-based violence units, and legal support services.

3. Support Services Available:

- Establish and promote helplines and hotlines that provide confidential and empathetic support to survivors.
- Develop and maintain safe shelters or refuges where survivors can access temporary accommodation, protection, and support.
- Provide access to counseling services, including trauma-informed therapy, to address the psychological and emotional impact of gender-based violence.
- Ensure survivors have access to medical services, including forensic examinations, healthcare, and access to sexual and reproductive health services.

4. Training for Service Providers:

- Conduct training programs for service providers, including healthcare professionals, law enforcement personnel, social workers, and counselors, on trauma-informed care and survivor-centered approaches.
- Promote sensitivity and empathy in working with survivors, understanding the dynamics of power and control, and recognizing the intersectionality of gender-based violence.
- Enhance knowledge on cultural competency and the specific needs of marginalized communities to provide inclusive and effective support.

5. Trauma-Informed Care and Survivor-Centered Approaches:

- Adopt trauma-informed care principles to recognize and respond to the unique experiences and needs of survivors who have experienced trauma.

- Promote survivor-centered approaches that prioritize the autonomy, agency, and well-being of survivors throughout the intervention process.
- Foster an environment of empathy, respect, and non-judgment when providing services and support to survivors.

6. Collaboration and Referral Networks:

- Foster collaboration and coordination among different service providers, including law enforcement, healthcare providers, social services, and legal support organizations.
- Establish referral networks to ensure seamless access to a comprehensive range of support services for survivors.
- Engage with community organizations and civil society groups to enhance community-based support and intervention programs.
- It's crucial to adapt response and intervention strategies to the specific legal and cultural context, ensuring they are survivor-centered, trauma-informed, and sensitive to the unique needs and experiences of survivors.

Developing Partnerships and Collaborations

- Establish partnerships with community organizations, NGOs, and government agencies working in the field of gender-based violence.
- Collaborate on joint initiatives, share resources and expertise, and coordinate efforts to maximize impact.
- Engage in regular communication and networking to foster collaboration and address gaps in services and support.
- Strategies for Community Mobilization and Grassroots Advocacy:
 - I. Conduct community outreach programs to raise awareness about gender-based violence, its impact and available support services at labor camp and near ESR sites or transmission line.
 - II. Organize workshops, seminars, and community dialogues to promote dialogue, empathy, and understanding.
 - III. Empower community members to become advocates through training programs on advocacy skills, public speaking, and community organizing.
- Promoting Social Accountability and Working towards Policy Change:
 - I. Advocate for policies and legislation that prioritize gender equality, prevention of gender-based violence, and support for survivors.
 - II. Engage with policymakers, legislators, and government agencies to raise awareness of the issue and advocate for policy change.
 - III. Mobilize community members to participate in public consultations, policy discussions, and campaigns related to gender-based violence.
- Monitoring and Evaluation:
 - I. Develop monitoring and evaluation frameworks to assess the effectiveness and impact of

interventions and programs addressing gender-based violence.

- II. Collect data on key indicators, such as rates of violence, access to services, and changes in attitudes and behaviours.
- III. Regularly review and analyse data to inform program improvements, identify gaps, and demonstrate the outcomes and impact of interventions.
- IV. Utilize feedback mechanisms to gather input from survivors, community members, and stakeholders to inform programmatic decisions and improvements.
- V. Monitoring and evaluation are crucial for evidence-based decision-making, identifying best practices, and ensuring accountability and transparency in addressing gender-based violence.
- VI. Regular assessment and feedback allow for continuous learning and improvement of interventions.

Indicators and Methods for Tracking Progress and Impact:

- Incidence and Prevalence Rates: Monitor the rates of gender-based violence incidents and prevalence in the community or labour camp over time.
- Service Utilization: Track the number of survivors accessing support services, such as helplines, counselling, legal aid, medical support, and shelter.
- Knowledge and Attitude Change: Assess changes in knowledge, attitudes and beliefs related to gender-based violence through pre- and post-intervention surveys or qualitative interviews.
- Behaviour Change: Monitor changes in behaviours, such as increased reporting of incidents, bystander intervention, and the adoption of non-violent and respectful behaviours in relationships.
- Policy and Legal Changes: Track progress in policy and legal reforms related to gender-based violence, such as the enactment or amendment of laws, implementation of protective measures, and allocation of resources.
- Community Engagement: Measure the level of community engagement and participation in gender-based violence prevention activities, including attendance at workshops, community dialogues, and advocacy campaigns.
- Evaluating Program Effectiveness and Identifying Areas for Improvement:
 - I. Outcome Evaluation: Assess the outcomes and impact of the program on survivors, communities, and stakeholders. This can include changes in survivors' well-being, reduction in violence incidents, and improved access to support services.
 - I. Process Evaluation: Evaluate the implementation of the program, including fidelity to program design, delivery of services, and adherence to best practices. Identify any challenges, gaps, or areas for improvement in program implementation.
 - II. Stakeholder Feedback: Gather feedback from survivors, service providers, community members, and partners through surveys, interviews, or focus group discussions. Obtain insights into their experiences, satisfaction levels and suggestions for program improvement.
 - III. Data Analysis: Analyse quantitative and qualitative data collected through monitoring

systems, surveys, and other assessment methods. Look for trends, patterns, and correlations that can inform program effectiveness and areas that require attention.

- IV. Continuous Learning and Adaptation: Regularly review evaluation findings and engage in a process of continuous learning. Use the insights gained to adjust program strategies, approaches, and interventions as necessary.
- V. Collaboration and Learning Networks: Engage in knowledge sharing and learning networks with other organizations and stakeholders working on gender-based violence. Exchange experiences, lessons learned, and best practices to enhance program effectiveness.
- VI. Regular evaluation and continuous improvement are essential to ensure that interventions are effective, responsive to the needs of survivors and communities, and achieve meaningful impact in addressing gender-based violence.

Contact Information: Include relevant organizations, helplines, and support services for survivors to access help and support.

Register your Complaints or Suggestions

Work of laying of water supply pipeline (Under World Bank) is in progress at Ludhiana city. For any ongoing work-related complaints:

- Log in at: <https://mseva.lgpunjab.gov.in>
- Toll Free No.: 1800-1800-0172
between 8:00 to 5:00 PM (Monday to Saturday)
- Whatsapp Chatbot & Contact:
XXXXXXXXXX/XXXXXXXXXX or
- Scan QR code to download the Mobile Application

Legal Framework specific for GBV

There are many legal provisions and schemes to safeguard the interest of women, which has relevance to the proposed project. Some of these laws and schemes are given in Table 1.

Table 1: Legal Framework

Laws	Objectives	Relevance to the Project
The Immoral Traffic (Prevention) Act, 1956	The Act intends to combat trafficking and sexual exploitation for commercial purposes.	To counter exploitation of women vulnerable to human trafficking in the project areas. In a transport project, human trafficking is a critical issue as migrant labor and vulnerable host population can be potential victims.

Laws	Objectives	Relevance to the Project
Maternity Benefit (Amendment) Act, 2017	The Act aims to regulate employment of women employees in certain establishments for certain periods before and after childbirth and provides for maternity and certain other benefits.	Applicable to staff and other institutions established under the project
Minimum Wages Act, 1948	The Minimum Wages Act, 1948 safeguards the interest of workers by providing fixation of minimum wages mainly focusing on unorganized sector and in specified occupations (called scheduled employments)	The minimum wages established for the sector by state should be ensured by the employers to all workers, male and female.
Contact Labor (Regulation and Abolition) Act, 1970	To regulate the employment of contract laborers in certain establishments and to provide for its abolition in certain circumstances and for matter connected therewith.	Applicable to construction activities that engage contract laborers. Women are often engaged as contract labor and are particularly vulnerable to exploitative practices.
Equal Remuneration Act, 1976	To provide for the payment of equal remuneration to men and women workers and for the prevention of discrimination, on the ground of sex, against women in the matter of employment and for matters connected therewith or incidental. thereto.	Women engaged in activities supported by the project should be paid at par with their male counterparts.
Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013	Provides measures for prevention, prohibition and Redressal of complaints of sexual harassment by any women who is harassed at a workplace.	To address any issues related to sexual harassment at the workplace and at labour camp within the context of the project.
The UN Declaration on the Elimination of Violence Against Women	The declaration aims at strengthening state commitments to global participation and policy formation regarding violence against women.	Address violence against women and provide a framework for action at project level.

Institutional Mechanisms to Address Gender Based Violence

The UN Declaration on the Elimination of Violence against Women states, "violence against women is a manifestation of historically unequal power relations between men and women" and "violence against women is one of the crucial social mechanisms by which women are forced into a subordinate position compared with men."

Gender Resource Centre (GRC) should be established and should be promoted by the Department of Women and Child Development, Government of Punjab to provide support for incorporating gender equity and equality in overall development process and plans of the State. GRC is a Society registered under Societies Registration Act 1860 and Bombay Public Trust Act 1950. GRC recognizes that women's inequality manifests itself in many forms such as gender discrimination in terms of declining male-female sex ratio, social stereotyping, Gender based violence at home and at work, Low level of education, health and nutritional status, limited access to resources, etc. GRM will be followed as per Chapter 10 of ESIA report.

Further, as per The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal Act, 2013 (SHWW Act 2013), which applies to the organized and unorganized sector, government and private sectors, employers are required to constitute an Internal Complaints Committee (ICC) to look into complaints of sexual harassment. Various other compliances related to creating a safe and enabling work environment are also required.

Monitoring and Evaluation:

Monitoring and evaluation will be incorporated into the overall project monitoring and evaluation plan. The social and gender specialist will work with PIU and PMU and DBO staff to orient them on proper implementation of GRC. The social and gender specialist of DBO and PIU will (i) consult regularly with women beneficiaries; (ii) assist in developing a sex-disaggregated project monitoring and evaluation system; and (iii) monitor GRC implementation progress on a regular basis with field visits and reporting of progress and results. The social and gender specialist will prepare monthly, quarterly and semi-annual progress reports and these reports will be used to consolidate annual report by PMU. World Bank staff with social/gender expert will participate in review mission.

Specific Provision for Women in the Construction Camp and Workplace

It is important to be noted that number of females along with their spouses may be engaged in the construction work and stay in temporary construction camps in a sub-human condition. They are likely to face many adverse conditions and realizing this a number of welfare provisions as per rules and regulation of State and Central Government such as The Building and other Construction Workers (Regulation of Employment and Condition Services) Act, 1996, Minimum Wages Act, 1948, Contract Labour Act, 1970 etc. mentioned under this section have been planned to cover all women and children living in the construction camp.

- At every workplace, shelter shall be provided free of cost, separately for use of men and women labourers. The height of shelter shall not be less than 3m from floor level to lowest part of the roof. Sheds shall be kept clean, and the space provided shall be on the basis of at least 0.5 m² per head.
- At every workplace, a readily available first-aid unit will be provided. Suitable transport will be provided to facilitate transportation of injured and ill persons to the nearest hospital.
- At every construction site, provision of a day creche shall be worked out so as to enable women to leave behind their children. At construction sites, where the number of women workers is more than 25 but less than 50, the contractor shall provide with at least one hut and one maid servant to look after the children of women workers. Size of creches shall vary according to the number of women workers employed. Huts shall not be constructed to a standard lower than that of thatched roof, mud walls and floor with wooden planks spread over mud floor and covered with matting. Huts shall be provided with suitable and sufficient openings for light and ventilation. There shall be adequate provision of sweepers to keep the places clean.
- The construction workers are mainly mobile group of people. They are found to move from one place to another taking along their families with them. Thus, there is a need for educating their children at the place of their work. For this day creche facilities could be extended with primary educational facilities.
- Visible reporting desks are required at construction camps and workplace to address incidents of sexual

harassment. Women should be exempted from night shift works.

- HIV/AIDS is included in Goal-3 of the United Nations Sustainable Development Goals, which promises to halt spread of HIV/AIDS by 2030. The Government along with National Aids Control Organization (NACO) and State AIDS Control Society has been carrying out awareness campaigns and free health care to minimize the spread of HIV/AIDS in various parts of the country. PMIDC will ensure that all civil works contractors to (i) carry out awareness programs for labourers on the risks of STDs/AIDS and human trafficking; and (ii) disseminate information at worksites on the risks of STDs/AIDS as part of health and safety measures for those employed during construction of the project in coordination with Punjab State AIDS Control Society. Contractors for the project will include specific clauses on these undertakings and compliance will be strictly monitored by PMIDC.

PMIDC shall ensure that (i) civil work contractors comply with all applicable labour laws and regulations, do not employ the children below the age of 14 years for construction and maintenance activities, and provide appropriate facilities for women and children in construction camp sites; (ii) people directly affected by the projects are given priority to be employed by the contractor;(iii) contractors do not differentiate wages between men and women for work of equal value; and (iv) specific clauses ensuring these will be included in bidding documents. The construction supervision consultants should monitor the provisions.

Table 2: Gender Action Plan

Activity	Indicators/Target	Responsibility	Timeline (Year)	Budget
OUTPUT-1: Project Planning				
Ensure that the design of project integrates international quality design features addressing the needs women.	Consultations with women to know their point of view and design features	PIU, Project Director	1-5	Included in the project cost
OUTPUT-2: Construction Phase				
Ensure construction camp follow international standards and address gender specific safety	<ul style="list-style-type: none"> • CCTV cameras to be installed at construction camp. • Women security staff should be hired. • Displays a help lines numbers and other important phone numbers and instructions in Punjabi, Hindi and English for convince. • Direct lines to nearest police 	PIU, Project Director	1-5	Included in the project cost

Activity	Indicators/Target	Responsibility	Timeline (Year)	Budget
and public health concerns with focus on the needs women.	<p>stations for immediate request for police help.</p> <ul style="list-style-type: none"> Separate hygienic urinals and toilets for men and women and with dedicated urinals for children, sanitary pad dispensing machine, and dustbins with covers operated without hand contact. Provision of adequate lighting in the area outside and at camp to ensure safety of women. Reporting desks to address incidents of harassment of women. Provide safe, secure and separate living spaces for male and female construction workers. A readily available first-aid unit will be provided at every workplace. Suitable transport will be provided to facilitate transportation of injured and ill persons to the nearest hospital. At every construction site, provision of a day creche shall be worked out so as to enable women to leave behind their children. <p>State AIDS Control Society will carry out awareness campaigns and free health care to minimize the spread of HIV/AIDS.</p>			

OUTPUT-3: LIVELIHOOD OPPORTUNITIES, SAFE WORKING CONDITIONS AND GENDER BASED

VIOLENCE OF WOMEN

Promotion of livelihood opportunities and income	<ul style="list-style-type: none"> Skill assessment, training and capacity building of women for short term and long-term employment opportunities. 	PIU, Project Director	1-5	Included in the project cost
--	--	-----------------------	-----	------------------------------

Activity	Indicators/Target	Responsibility	Timeline (Year)	Budget
restoration assistance	<ul style="list-style-type: none"> • Involvement of women in construction activities followed by equal remuneration. • Loan assistance and convergence of national and state governments employment generation schemes linking with bank account. • Provide lighting around project sites, including around latrines and access routes. • Install separate, lockable latrines for female construction workers. 			

Gender Action Plan

1. Gender Action Plan for PMSIP Sub-Project Ludhiana

In line with World Bank's Gender Strategy 2024-30, the Gender Action Plan (GAP) for PMSIP Sub-Project Ludhiana has been developed. The purpose of GAP is to ensure the mainstreaming of gender issues and concerns into all aspects of the water supply systems project throughout project lifecycle. This will be specifically prioritized through the implementation of the ESMP for the project.

The Gender Action Plan Will safeguard the interest of the women community adjacent to WTP. ESRs & Transmission Line sites; promote their participations in project planning activities and ensure safer and healthier living conditions. It will also contain actions that will be adhered by all the agencies (Contractors, Sub-Contractors) involved for the implementation of the project during the project lifecycle along with the project proponent.

1.1 Objectives of the GAP

The main Objectives of the GAP are as Follow.

- Promote women is participation in the project.
- Maximize women 's access to project benefits.
- Minimize social vulnerability of women arising due to the project activities like securing livelihood, land, security concerns during construction.

The GAP that is discussed subsequently comprises of the following:

- An overview of the socio-economic profile of the women in the State of Punjabi
- Potential Cinder-base, images (adverse and beneficial) associated with the sub-project, and
- Recommended actions to incorporate a gender sensitive approach for the Project.

1.2 Scio-Economic Profile of Women

1.2.1 Demography of women in the state

As per Census of India 2011, Punjab, has a total population of 2,77 crores, of which 47 percent is female population and 53 percent is male population (Figure 1.1), The total population growth rate since 2001 to 2011 census was 13.89 Percent.

Proportion of Female Population in Punjab State

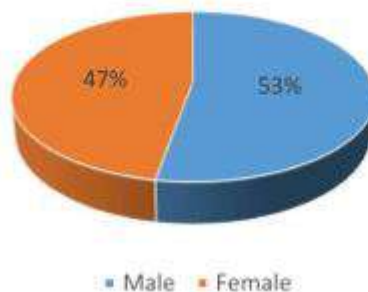


Figure 1.1: Proportion of female Population in the state

The district population of Punjab indicates that there is a significant difference between the female and male population (Figure 1.2)

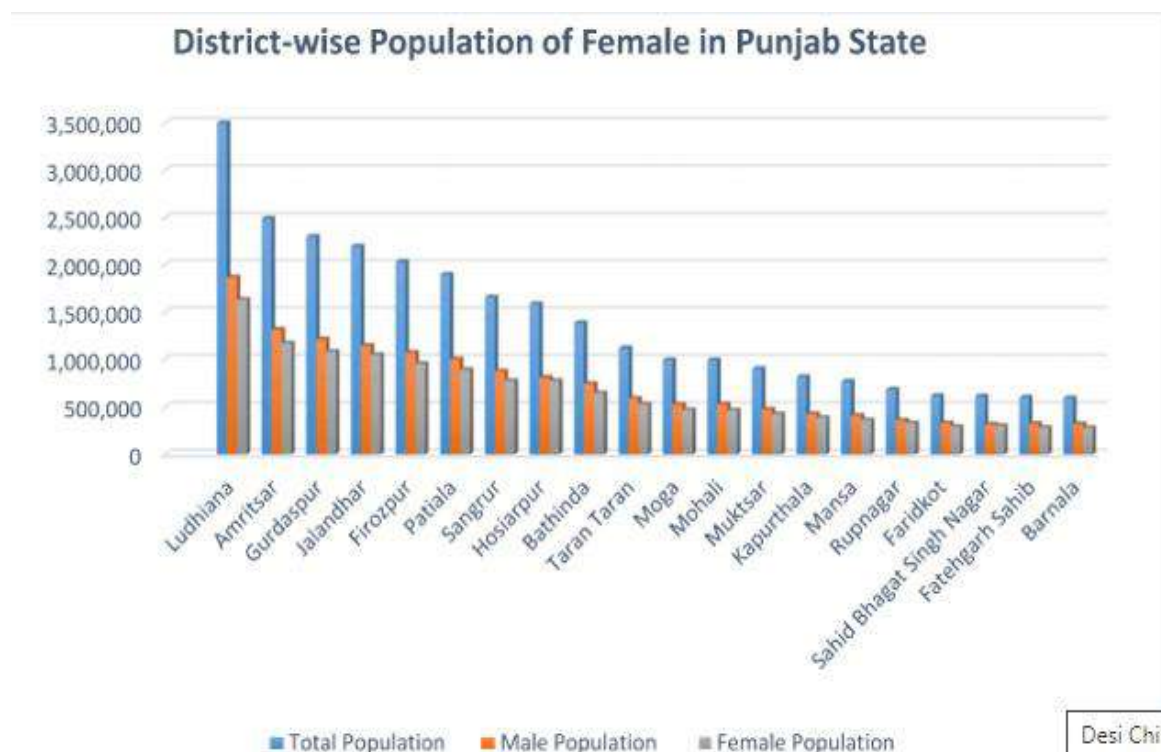


Figure 1.2: Population of Female population in the Districts of Punjab

1.2.2 Sex Ratio

Sex ratio is one of the most important indicators defining gender equality. This indicates improvement in one of the Human Development indicators that can enhance gender equality influencing progress in productivity, improve development outcomes and make institutions more representative.

Sex ratio of districts of Punjab are presented in Table 1,1 and it is clear from the table that there is also continuously increase in sex ratio. Females constitute 47.23% of total population of the state as compared to 48.5% at national level. Although sex ratio has improved from 854 in 1961 to 895 in 2011 in the state, yet it still lagged the national average which was 941 in 1961 and 943 in 2011. On the other hand, sex ratio in 0-6 year's age-group has decreased from 901 in 1961 to 846 in 2011 which is a serious cause of concern. At the national level also, this ratio declined from 976 in 1961 to 914 in 2011, Among districts in the State, Hoshiarpur has the highest sex ratio of 961 and the district with lowest sex ratio was Bathinda (868).

S. No.	Districts	1961	1971	1981	1991	2001	2011
1	Gurdaspur	869	890	907	903	890	895

2	Amritsar	854	856	871	873	871	889
3	Tran Taran	NA	NA	NA	NA	887	900
4	Kapurthala	886	889	898	896	888	912
5	Jalandhar	867	883	890	897	887	915
6	S.B.S Nagar	900	887	898	900	914	954
7	Hoshiarpur	92	899	919	924	935	961
8	Roop Nagar	812	854	862	870	889	915
9	S.A.S. Nagar	NA	NA	NA	NA	840	879
10	Ludhiana	856	860	844	844	824	873
11	Firozpur	840	876	860	895	885	893
12	Faridkot	849	866	884	883	883	890
13	Shri Ludhiana Sahib	846	863	879	880	880	896
14	Moga	862	866	885	884	884	893
15	Bathinda	834	851	861	884	870	868
16	Mansa	830	852	869	873	879	883
17	Sangrur	832	840	860	870	870	885
18	Barnala	NA	NA	NA	NA	NA	876
19	Patiala	831	850	870	881	881	891
20	Fatehgarh Sahib	815	831	841	871	871	871
Punjab		854	865	879	882	882	895
India		941	930	934	927	927	943

Source: Director Census operation, Punjab

1.2.3 Education

Gender equality in education is a critical element of the millennium development goals. Education affects women's wellbeing and provides them a greater voice in household decisions and improved opportunities to participate in economic activities of the country. Women's education is essential for social and economic development of the country.

As per 2011 Population census, the literacy rate in Punjab is 75.8% which is higher than the literacy rate of 69.95% in 2001. In 2011, only 70.7% of females in Punjab were literate compared to 80.4% of men. The male and female literacy rates were 75.6% and 63.55% respectively in 2001. Inter- District Analysis reveals that female literacy is highest in Hoshiarpur districts (80.3%) which is comparable to Delhi (80.8%) whereas lowest Literacy rate was in Mansa district (55.70%) which was comparable to Jharkhand (55.4%). GAP in literacy rate of male & Female in Punjab has also decreased over the years. During 2001 and 2011, the literary Gap came down, by approximate 2.38%. It is observed that female Literacy rate is continuously increasing. It may be due to government rules & policies.

Table 1.2: Sex-wise Literacy Rate in Punjab as per Census Year 1971-2011

Literacy Rate			
Year	Male	Female	Total
1971	42.23	24.65	34.12
1981	51.23	34.35	43.37
1991	65.66	50.41	58.51
2001	75.63	63.55	69.95
2011	80.4	70.7	75.8

Source: Director, Census Operations, Punjab

1.2.4 Female Workforce Participation

Female participation in the labour force and access to decent work is very much essential for an inclusive and sustainable development of the country. Encouraging and welcoming female higher participation in the labour force is vital for economic growth, increasing educational attainment and social norms, etc. In Punjab, working participation rate is low but we can say that there is improvement in participation rate. As per census 2011, women constitute only 11.99% of main workers and 6.44% of marginal workers to total workers in the state, The corresponding figures at National level are 18.53% and 12.5%, respectively: The workforce participation rate of females in Punjab is 13.90% while the male work participation rate is 55.20% as compared to National average where corresponding figures were 25.5% and 53.3% respectively, In other words, workforce participation rate of females in Punjab is over four times lower than their male counterparts in the state and nearly two times lower than female work participation rate at national level.

Table 1.3: Sectoral and Sex-Wise participation rate of workforce in Punjab-2011 (Percentage)

Rural	Punjab	India
Male	54.9	53.0
Female	14.3	30.0

Total	35.6	41.8
Urban		
Male	55.5	53.8
Female	13.2	15.4
Total	35.8	35.3
Total		
Male	55.2	53.3
Female	13.9	25.5
Total	35.7	39.8

Source: Population Census 2011 India

1.3 Potential Gender Issues

The key gender issues relating to women population can potentially be classified into two sections: (i) Involvement of Women in Construction Activity and (ii) Women residing in the adjacent settlements of the WTP, ESR and TIL area during the construction period.

1.3.1 Women Working in Construction Site

The labour force required for the construction activities will be mostly of high skill nature since a lot of machines work will be involved in the construction of the project. But there will be requirement of unskilled labour where women may likely to be involved in work like road, drain, utility and housekeeping work etc. The construction contractors are expected to bring along their labour force, Thus, in most cases the labourers, both male and female, will be migratory labourers, But, the involvement of local labour force, especially for unskilled activities cannot be fully ruled out. There will be involvement of local women also in the local labour force. hence, there are more chances of wage discrimination, risks of Violence, sexual harassment abuse and exploitation. Foreseeing the involvement of women both directly and indirectly and the construction activities certain measures are required to be taken towards welfare and well-being of women and children in-particular during the construction phase.

1.3.2 Women Residing in adjacent Settlements of Project Area

Based on the assessment during census & socio-economic survey the following potential issues have been identified that the women in the project area may face:

Livelihood: Participation of women into civil construction related activities may be very low due to migratory labourers. They may potentially be refrained to work due to physical abilities and subsequently may receive less wage rates than the men.

Resettlement Issues: Women may be deprived from any spousal consent rising due to negotiated settlement for land purchase of WTP and subsequently compensations related to resettlement and rehabilitation. Women on many occasions are denied land or property rights and hence will be deprived from receiving compensation.

Security Concerns for Women: The project can potentially increase the security risk for women specifically during the construction phase, if it is near settlements due to increased movement of construction vehicles, migrants' labors and strangers in the area and may be due to the blockage of access roads.

1.4 Measures to address Gender Issues

This section elucidates the specific activities that must be undertaken during the planning phase and the recommended actions during construction and operations phase to ensure gender-based benefits of the project. In general, the gender action plan emphasizes the importance of participation of women in the project area in a free, prior and informed manner across various activities of engagement.

The gender action plan will be effective across the entire project area and ensure involvement of women with maximize project benefits and try to mitigate the potential adverse impacts, especially on women.

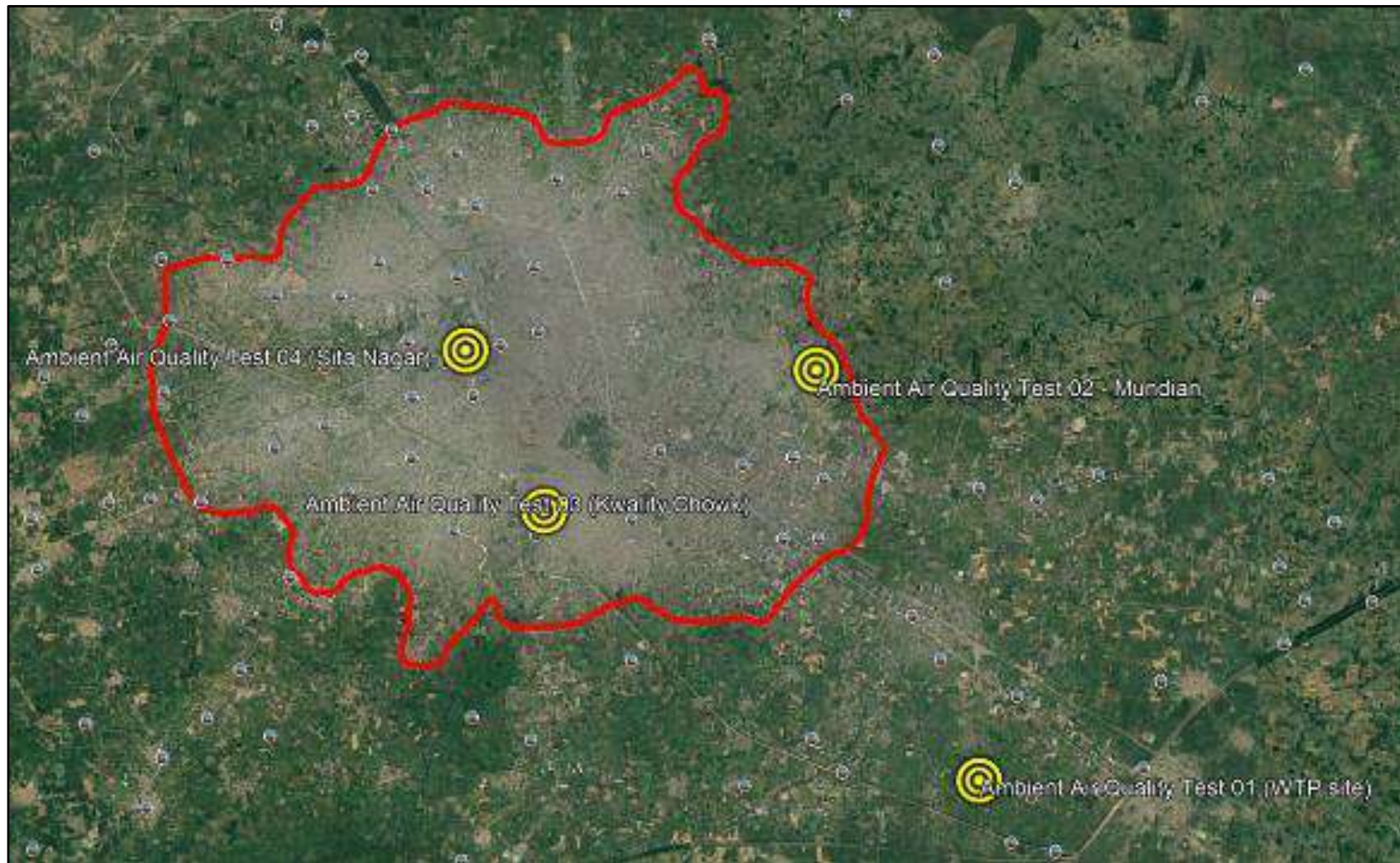
A Gender Action Plan (Gap) is presented in **Table 1.4**

Issues	Measures	Applicability	Responsible Agency	Timeline
A. Women working in Construction site				
Women workforce	Encourage contracts for the employment of local workers and to maximize use of women (at least 33%) in labour-based work (wherever Feasible)	Construction Phase	Initiative to be taken by the PIU/PMU and ensure policy alignment with the DBO	Year 1-3
Equal wage	<ul style="list-style-type: none"> • Ensure equal pay for equal work for women and men for all construction and maintenance work. • Also to be included in contractors' agreement 	Construction Phase	DBO Contractor., PIU/PMU	Year 1-3
Employment Opportunities	Technical training can be provided to the local work force, especially women for inclusion in operation and maintenance phase.	Operational phase	PIU/PMU	Year 1-10
Availability of basic Facilities	sure, basic facilities (separate water, clean water, drinking water facilities, resting place, crèche) are provided for female as well as male workers at the construction site	Construction and operational phase	To be implemented by the contractors and to be ensured by PIU/PMU	Year 1-10


B. Women residing in Adjacent Settlement of Project Area				
Land for WTP, ESRs & Transmission Lines & Resettlement Issues	<ul style="list-style-type: none"> • Women are also fully informed and are part of the consultation and disclosure meetings related to land acquisition or negotiated. Settlements • Women are informed and aware about the resettlement action plan. And the encompassing The R&R process (if applicable) 	Pre- Construction Phase	PIU/PMU	First year of the design period
Livelihood	Preference may be given to women from project affected families to work as un-skilled workers (wherever feasible) during the construction phase and they receive equal wage for the work	Construction Phase	PIU/PMU and Contractors	Year 1-3
Safety and Security Concerns	<ul style="list-style-type: none"> • Provision of proper labour camp at construction site to reduce contact of construction. Labours with community people. • Minimize and avoid any obstruction related to access roads 	Construction Phase	Contractor	Year 1-3
Gender Based Violence (GBV)	Put in place motoring system at the highest levels for regular reporting on GBV Include requirements around GBV in codes of conduct, policies, protocols to contractors. Erasure codes of conduct are publicly disclosed in local languages and are Middy accessible to all workers and all groups of people in prefectures.	Construction and operational phase	To be implemented by the Contractors and to be ensured by PIU/ PMU	Year 1-1

Annexure 11A: Ambient Air Quality Reports

1. Ambient Air Quality Test Locations



2. Air Quality Reports:



SHRI OM TESTING & RESEARCH LABORATORY

Plot No. 296, 1st FNG Road, Sector-121, Ghari Chaukhandi, Noida - 201301
 Mob. : 9821154906, 8076937396, 9871980045, 9990934833
 E-mail. : shriomlab@gmail.com, Web. : www.shriomlab.com, www.shriomlab.in

N.A.B.L. Accredited. ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

**Issued To: Consultancy Services firm to Prepare ESIA,
ESMP and Rap for Ludhiana, Punjab (PMDC)**

**Report No: STRLA-18032023023-01
Issue Date: 18.03.2023**

RESULTS
(Ambient Air Quality Analysis)

SAMPLING DETAILS
 Sample Description: Ambient Air / WTP SITE
 Sampling Protocol : STRL/LAB/AIR/STP/01
 Flow Rate of Air. : 1.0 M³/Min.
 Sample Packing : Plastic Bottle / Zip Polybag


Sampling Duration - 24 Hours
 Flow Rate of Gas - 1.0 LPM
 Analysis Duration 14.03.2023 to 18.03.2023

S.no.	Date	PM10 (µg/m3)	PM2.5 (µg/m3)	SOx (µg/m3)	NOx (µg/m3)	CO mg/m3	As ng/m3	Ni (ng/m3)	O3 (µg/m3)	Pb (µg/m3)	NH3 (µg/m3)
	NAAQ Standard	100	60	80	80	4	8	20	180	1	400
1	26-02-2023	82.3	38.3	9.1	15.2	1.00	<0.10	<0.1	12.5	<1.0	< 10
2	02-03-2023	83.1	36.7	10.2	16.8	1.30	<0.10	<0.1	11.7	<1.0	< 10
3	06-03-2023	83.5	38.5	11.3	17.6	1.24	<0.10	<0.1	13.7	<1.0	< 10
4	18-03-2023	81.7	37.6	9.7	18.6	1.28	<0.10	<0.1	14.1	<1.0	< 1

* End of Report**

(Page 01 of 01)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma



Technical Manager

Authorised Signatory
(Name, Designation & Signature with Seal)

STRLLAB/QF/056

Rev:00

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 2.This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
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N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Issued To: Consultancy Services firm to Prepare ESIA,
ESMP and Rap for Ludhiana, Punjab (PMIDC)

Report No: STRLA-18032023023-02
Issue Date: 18.03.2023

RESULTS

(Ambient Air Quality Analysis)

SAMPLING DETAILS

Sample Description: Ambient Air / Mundian (p)

Sampling Protocol: STRL/LAB/AIR/STP/01

Flow Rate of Air: 1.0 M³/Min.

Sample Packing: Plastic Bottle / Zip Polybag

Sampling Duration: 24 Hours

Flow Rate of Gas: 1.0 LPM

Analysis Duration: 14.03.2023 to 18.03.2023

S.no.	Date	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	As (ng/m^3)	Ni (ng/m^3)	O ₃ ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	NH ₃ ($\mu\text{g}/\text{m}^3$)
	NAAQ Standard	100	60	80	80	4	5	20	180	1	400
1	27-02-2023	82.3	37.3	11.7	19.6	1.61	<0.10	<0.1	10.4	<1.0	<10
2	03-03-2023	82.8	38.5	12.6	20.8	1.23	<0.10	<0.1	11.6	<1.0	<10
3	07-03-2023	81.9	39.1	13.8	21.3	1.34	<0.10	<0.1	12.2	<1.0	<10
4	11-03-2023	83.7	38.4	14.6	18.1	1.26	<0.10	<0.1	9.49	<1.0	<10

* End of Report**

(Page 01 of 01)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma

R Sharma
Technical Manager

Authorised Signatory
(Name, Designation & Signature with Seal)

STRLLAB/QF/058

Rev:00

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N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Issued To: Consultancy Services firm to Prepare ESIA,
ESMP and Rap for Ludhiana, Punjab (PMIDC)

Report No: STRLA-18032023023-03
Issue Date: 18.03.2023

RESULTS

(Ambient Air Quality Analysis)

SAMPLING DETAILS

Sample Description: Ambient Air / Kwaliti chowk

Sampling Protocol : STRL/LAB/AIR/STP/01

Flow Rate of Air : 1.0 M³/Min.

Sample Packing : Plastic Bottle / Zip Polybag

Sampling Duration : 24 Hours

Flow Rate of Gas : 1.0 LPM

Analysis Duration : 14.03.2023 to 18.03.2023

S.no.	Date	PM10 ($\mu\text{g}/\text{m}^3$)	PM2.5 ($\mu\text{g}/\text{m}^3$)	SO _x ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	As (ng/m^3)	Ni (ng/m^3)	O3 ($\mu\text{g}/\text{m}^3$)	Pb ($\mu\text{g}/\text{m}^3$)	NH3 ($\mu\text{g}/\text{m}^3$)
	NAAQ Standard	100	50	80	80	4	5	20	180	1	400
1	28-02-2023	82.4	39.4	13.8	18.7	0.52	<0.10	<0.1	9.42	<1.0	<10
2	04-03-2023	83.8	36.3	11.5	16.7	0.92	<0.10	<0.1	9.67	<1.0	<10
3	09-03-2023	84.1	37.5	10.3	17.5	0.97	<0.10	<0.1	10.34	<1.0	<10
4	12-03-2023	83.8	38.2	12.3	19.7	0.95	<0.10	<0.1	11.47	<1.0	<10

* End of Report**

(Page 01 of 01)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma

R. Sharma
Technical Manager

Authorised Signatory
(Name, Designation & Signature with Seal)

STRLLAB/QF/058

Rev:00

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SHRI OM TESTING & RESEARCH LABORATORY

Plot No. 296, 1st FNG Road, Sector-121, Ghazi Chaukhandi, Noida - 201301

Mob. : 9821154906, 8076937396, 9971980045, 9990934633

E-mail. : shriomlab@gmail.com, Web. : www.shriomlab.com, www.shriomlab.in

N.A.B.L. Accredited. ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Issued To: Consultancy Services firm to Prepare ESA,
ESMP and Rap for Ludhiana, Punjab (PMDC)

Report No: STRLA-18032023023-04
Issue Date: 18.03.2023

RESULTS

(Ambient Air Quality Analysis)

SAMPLING DETAILS

Sample Description: Ambient Air / Sita Nagar

Sampling Protocol: STRL/LAB/AIR/STP/01

Flow Rate of Air: 1.0 M³/Min.

Sample Packing: Plastic Bottle / Zip Polybag

Sampling Duration: 24 Hours

Flow Rate of Gas: 1.0 LPM

Analysis Duration: 14.03.2023 to 18.03.2023

S.no.	Date	PM10 (µg/m ³)	PM2.5 (µg/m ³)	SO _x (µg/m ³)	NO _x (µg/m ³)	CO mg/m ³	As ng/m ³	Ni (ng/m ³)	O ₃ (µg/m ³)	Pb (µg/m ³)	NH ₃ (µg/m ³)
	NAAQ Standard	100	60	80	80	4	6	20	180	1	400
1	01-03-2023	85.9	39.9	13.1	18.9	0.98	<0.10	<0.1	8.59	<1.0	<10
2	05-03-2023	84.8	40.6	12.2	20.5	0.97	<0.10	<0.1	9.76	<1.0	<10
3	09-03-2023	83.9	41.8	11.3	21.5	0.96	<0.10	<0.1	10.3	<1.0	<10
4	13-03-2023	84.7	39.7	13.9	19.1	0.99	<0.10	<0.1	11.7	<1.0	<10

* End of Report**

(Page 01 of 01)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma

R Sharma
Technical Manager

Authorised Signatory

(Name, Designation & Signature with Seal)

STRLLAB/QI/068





Rev.00

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3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

3. Images of Noise Quality Monitoring at Test Locations

Place	Image
WTP Site	 A person wearing a white lab coat, a blue cap, and a face mask is kneeling on a concrete rooftop. They are operating a white noise monitoring device. In the background, there are trees and a building under a cloudy sky.
Mundian	 A person in a white lab coat and cap is kneeling on a rooftop, adjusting a white noise monitoring device. The background shows a clear sky and some distant structures.
Kwality Chowk	 Two people are kneeling on a rooftop. One person is wearing a white lab coat and cap, and the other is wearing a blue and white checkered shirt. They are both looking at a white noise monitoring device. The background shows a brick wall and a clear sky.
Sita Nagar	 A person in a white lab coat and cap is kneeling on a rooftop, operating a white noise monitoring device. The background shows a building with a sign and a clear sky.

Annexure 11B- Air Model for Future Air Quality

A. Air Pollution Impact Prediction through Dispersion Modelling

a) Details of Mathematical Modelling

- The Gaussian Dispersion Modeling (GDM) is used for prediction of dispersion of air emission and the computation of Ground Level Concentration (GLC) up to a specified distance from source. The fundamental model is given below:

$$c(x, y, z) = \frac{Q}{2\pi\sigma_y\sigma_z u} \exp\left(\frac{-y^2}{2\sigma_y^2}\right) \left[\exp\left(\frac{-(z-h)^2}{2\sigma_z^2}\right) + \exp\left(\frac{-(z+h)^2}{2\sigma_z^2}\right) \right]$$

- Where c is a concentration at a given position, Q is the source term, x is the downwind, y is the crosswind and z is the vertical direction and u is the wind speed at the h height of the release. The σ_y , σ_z deviations describe the crosswind and vertical mixing of the pollutant. The above equation describes a mixing process that results in a Gaussian concentration distribution both in crosswind and in vertical direction, centered at the line downwind from the source. Gravitational settling and chemical or radioactive decays are neglected.
- The model computes the pollutant concentration dispersed in microgram per cubic meter for any source with the location coordinated x, y and z.

b) Approach & Methodology

- The "Gaussian Dispersion Model" version formed the basic framework of the computer model, used for the computations of concentration of pollutants at ground level.

c) The Model assumptions

- Steady State Condition - Ideal gas, continuous uniform emission rate, homogenous horizontal wind field, representative wind velocity
- Gaussian distribution - The pollutant material within the plume takes on a Gaussian distribution in both the horizontal cross wind and vertical directions described by empirical dispersion parameters σ_y , and σ_z .
- It has been assumed that the pollutant does not undergo any physicochemical transformations.
- Gravitational settling of pollutants has not been considered during the modelling. ☐ Reflection factor from any surface has not been considered during the modelling.
- Control measures applied during calculation of emission factor.

d) Model Setup

- PMSIP Sub-Project Ludhiana, involved various activities which will lead to generate the air pollution. Three types of sources (Point, Area, and line source) have been considered to calculate the Ground Level Concentration (GLC). Details of the Source, pollutants, and activities responsible for pollution emissions are described below:

Source	Factor	Formula used	Source for Formula
Point Source	Diesel Generator (DG)	$H = h + 0.2\sqrt{kVA}$	Guidelines of Central Pollution Control Board
Line Source	Laying of transmission line, Vehicular Activity	$E = K 12 saWb 3+c$	AP42 (Nov 2006)
Area Source	Loading of Material	$E = k \times 0.0016 \times \left(\frac{U}{2.2} \right)^{1.3} \left(\frac{M}{2} \right)^{1.4}$	

1. Point Source

The involvement of Diesel Generator (DG) sets will act as point source of pollution. DG Sets are required to be high capacity to prevent the losses during electricity supply fluctuations and maximum power backup shall be required. The stack height has been proposed as per the guidelines of Central Pollution Control Board (CPCB) by using the formula ($H = h+0.2\sqrt{kVA}$) to facilitate proper dispersion of pollutants and to minimize the impact on Ambient Air Quality under the influence of local meteorology

2. Line Source

Laying of transmission involved various activities such as excavation, movement of vehicles which lead to generate the air pollution. This emission will be limited to the extent of road from where the mineral will be transported. All the vehicles as per the BS-VI norms shall be considered which will be having the Pollution under Control Certificates. The following empirical expressions is used to estimate the quantity in pounds (lb.) of size specific particulate emissions from an unpaved road in industrial sites, per vehicle mile traveled (VMT)

- $E = K 12 saWb 3+c$
- Where, k, a, b are empirical constants that is different for different particle size.
- E = Size- specific emission factor (lb/VMT)
- S = surface material silt content (%)
- W = mean vehicle weight (tons)
- C = emission factor for 1980's vehicle fleet exhaust, brake wear and tire wear, 0.0047 lb./VMT for PM10. The source characteristics s, W are referred to as correction parameters for adjusting the emission estimates to local conditions. The effective emission factor after considering reduction in emission potential of haul roads due to water sprinkling was calculated for use in AERMOD model.

3. Area Source

The excavated mineral during construction will be loaded on dumpers using excavators. The loading activity shall take place during working shift. The mineral will be then transferred to designated muck disposal site, The PM10 emission rate due to loading activity is calculated using below equation:

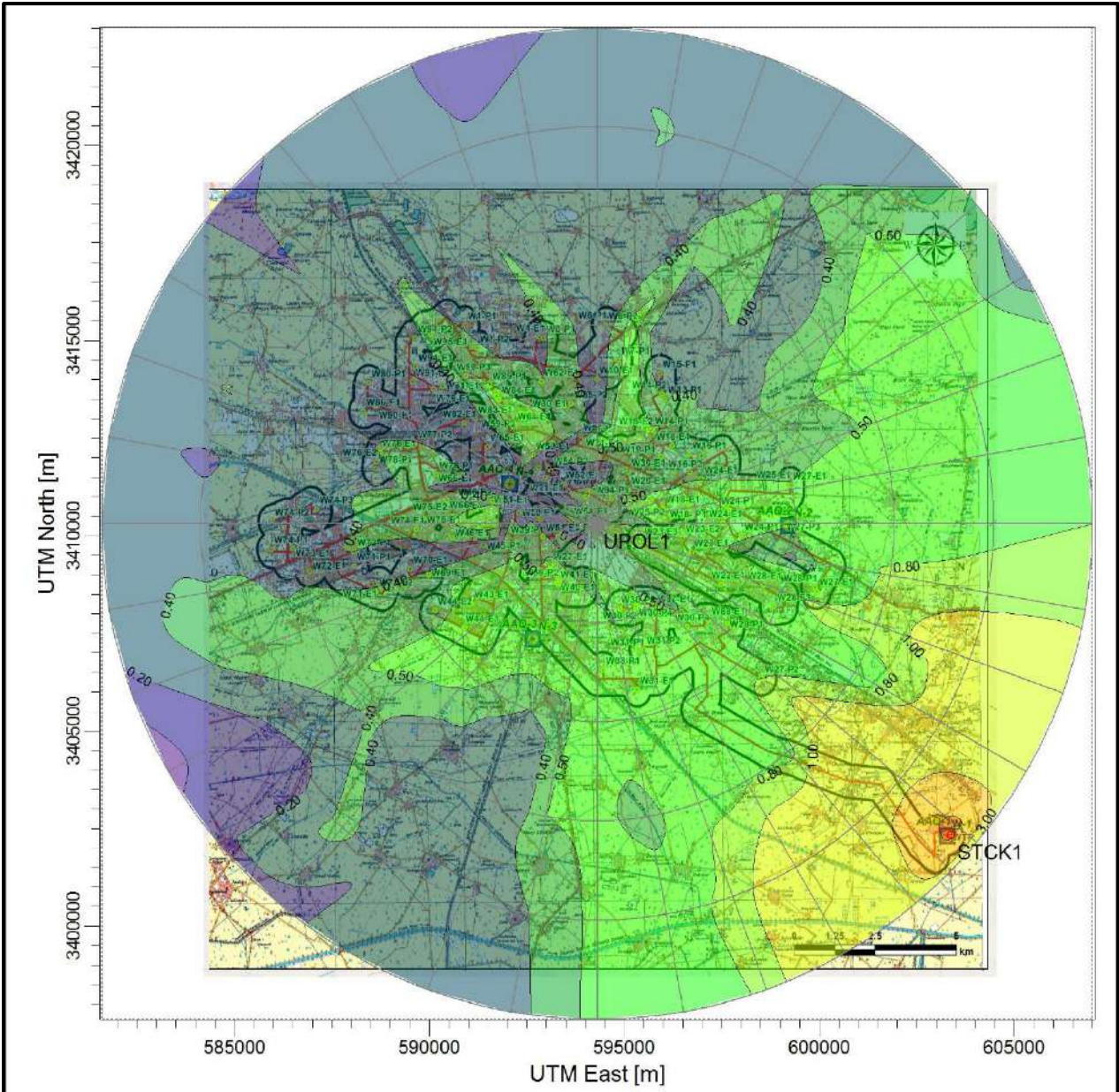
$$E = k \times 0.0016 \times \left(\frac{U}{2.2} \right)^{1.3} \left(\frac{M}{2} \right)^{1.4}$$

- Where, E= Emission Factor, kg/ton
- k = Particle size multiplier, 0.35 for PM10
- M = Moisture Content, %
- U = Mean wind speed, m/s

e) Model Output

- The AERMOD model has been setup and run for study period (February 2022) to find out the cumulative maximum ground level concentration of PM10 and PM2.5 generated from the different activities. As per the modelling results, it is anticipated that there will be an incremental of 5.6 $\mu\text{g}/\text{m}^3$ and 3.53 $\mu\text{g}/\text{m}^3$ in the concentration of PM10 and PM2.5 respectively at 2 kms towards the Northwest direction.

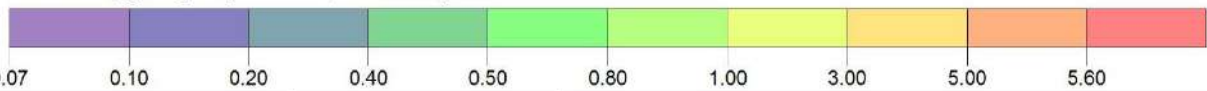
Model Output for PM 10:



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³

Max: 5.60 [ug/m³] at (603428.06, 3402490.00)



COMMENTS:

SOURCES:

COMPANY NAME: Voyants Solutions Private Limited

1

Voyants.

RECEPTORS:

184

OUTPUT TYPE:

Concentration

SCALE:

1:164,760



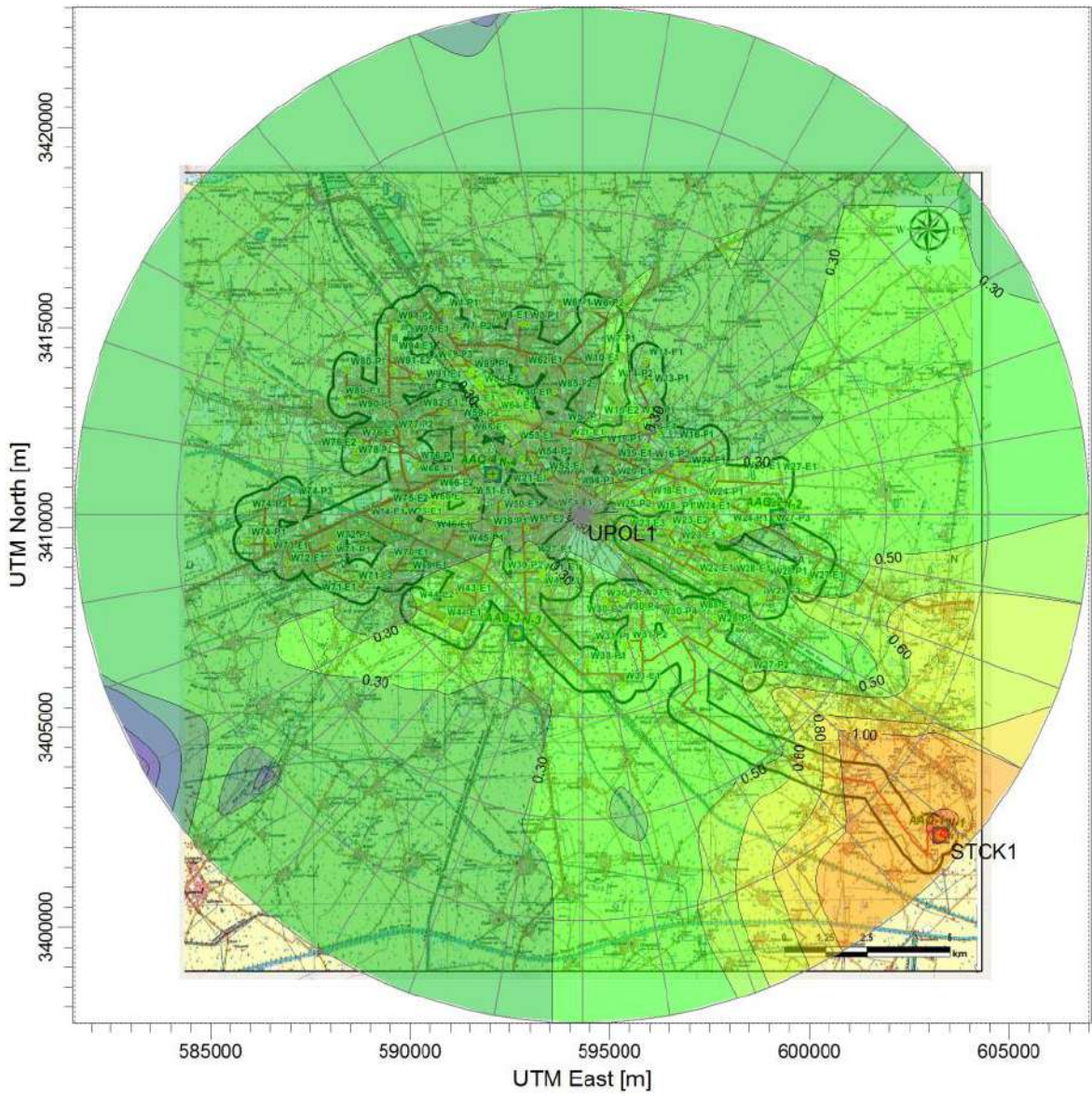
MAX:

5.60 ug/m³



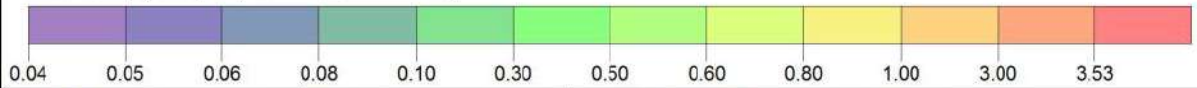
PROJECT NO.:

Model Output for PM 2.5:



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
 Max: 3.53 [$\mu\text{g}/\text{m}^3$] at (603428.06, 3402490.00)

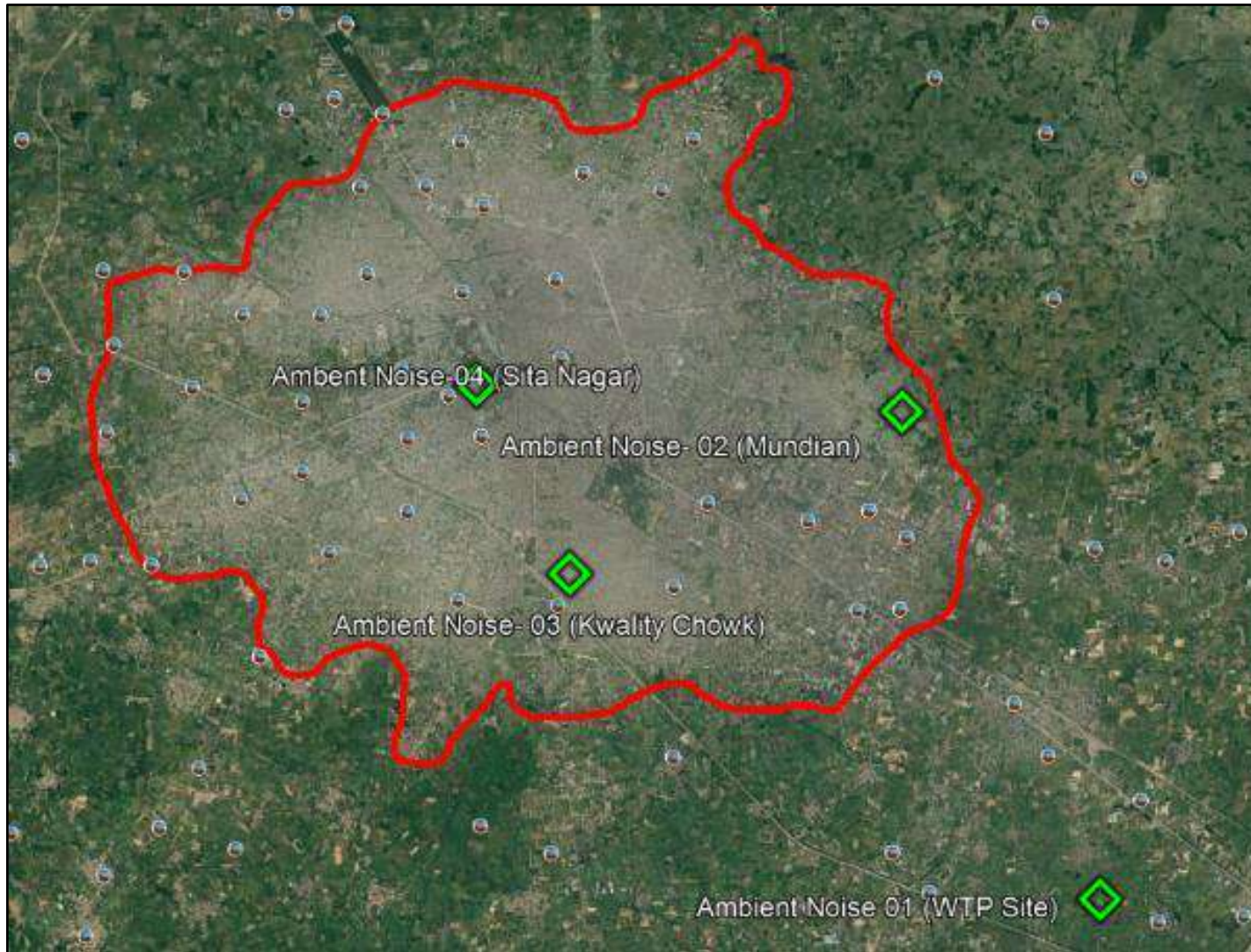
$\mu\text{g}/\text{m}^3$





COMMENTS:	SOURCES:	COMPANY NAME: Voyants Solutions Private Limited	
	1	Voyants.	
	RECEPTORS:		
	184		
OUTPUT TYPE:	SCALE:	1:164,760	
Concentration			
MAX:			PROJECT NO.:
3.53 $\mu\text{g}/\text{m}^3$			

Annexure 12: Ambient Noise Quality Reports





1. Ambient Noise Quality Test Locations



2. Ambient Noise Quality Report


		<h1 style="text-align: center;">SHRI OM TESTING & RESEARCH LABORATORY</h1> <p style="text-align: center;">Plot No. 296, 1st FNG Road, Sector-121, Ghazi Chaukhandi, Noida - 201301 Mob. : 9821154906, 8078937396, 9971980045, 9990934633 E-mail. : shriomlab@gmail.com, Web. : www.shriomlab.com, www.shriomlab.in</p>																																																		
<h3 style="color: red;">N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.</h3>																																																				
<h2 style="color: green;">TEST REPORT</h2>																																																				
Issued To: Consultancy Services firm to Prepare ESIA, ESMP and Rap for Ludhiana, Punjab (PMDC)				Report No: STRLA-18032023023-06 Issue Date: 18.03.2023																																																
<h3 style="color: green;">RESULTS</h3> <p style="text-align: center;">(Ambient Noise Quality Analysis)</p>																																																				
<h4 style="color: green;">SAMPLING DETAILS</h4>																																																				
Sample Description		: Ambient Noise																																																		
Sample Collected by		: STRL STAFF																																																		
Monitoring Protocol		: IS- 9989: 1981																																																		
Monitoring Duration		: 24 Hours																																																		
Analysis Duration		: 14.03.2023 to 18.03.2023																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">S.No</th> <th rowspan="2">Location</th> <th colspan="2">Observed Value Leq, dB (A)</th> <th colspan="3">Limit for A Per CPCB Guidelines ;Leq, dB (A)</th> </tr> <tr> <th>Day Time*</th> <th>Night Time**</th> <th>Zone</th> <th>Day Time</th> <th>Night Time</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>NAQ-1 Near -WTP Site</td> <td>56.83</td> <td>42.33</td> <td>Residential area</td> <td>55</td> <td>45</td> </tr> <tr> <td>2.</td> <td>NAQ-2. Mundian</td> <td>56.58</td> <td>41.42</td> <td>Commercial area</td> <td>65</td> <td>55</td> </tr> <tr> <td>3.</td> <td>NAQ-3 Kwaliti Chowk</td> <td>55.94</td> <td>40.02</td> <td>Industrial area</td> <td>75</td> <td>70</td> </tr> <tr> <td>4.</td> <td>NAQ-4 Sita Nagar</td> <td>56.33</td> <td>39.17</td> <td>Silence area</td> <td>50</td> <td>40</td> </tr> <tr> <td colspan="2">* Day Time</td> <td colspan="2">5.00'a.m. to 10.00 p.m</td> <td colspan="2">**Night Time</td> <td>10.00 p.m. to 6.00 a.m</td> </tr> </tbody> </table> <p style="text-align: center;">** End of Report **</p>						S.No	Location	Observed Value Leq, dB (A)		Limit for A Per CPCB Guidelines ;Leq, dB (A)			Day Time*	Night Time**	Zone	Day Time	Night Time	1.	NAQ-1 Near -WTP Site	56.83	42.33	Residential area	55	45	2.	NAQ-2. Mundian	56.58	41.42	Commercial area	65	55	3.	NAQ-3 Kwaliti Chowk	55.94	40.02	Industrial area	75	70	4.	NAQ-4 Sita Nagar	56.33	39.17	Silence area	50	40	* Day Time		5.00'a.m. to 10.00 p.m		**Night Time		10.00 p.m. to 6.00 a.m
S.No	Location	Observed Value Leq, dB (A)		Limit for A Per CPCB Guidelines ;Leq, dB (A)																																																
		Day Time*	Night Time**	Zone	Day Time	Night Time																																														
1.	NAQ-1 Near -WTP Site	56.83	42.33	Residential area	55	45																																														
2.	NAQ-2. Mundian	56.58	41.42	Commercial area	65	55																																														
3.	NAQ-3 Kwaliti Chowk	55.94	40.02	Industrial area	75	70																																														
4.	NAQ-4 Sita Nagar	56.33	39.17	Silence area	50	40																																														
* Day Time		5.00'a.m. to 10.00 p.m		**Night Time		10.00 p.m. to 6.00 a.m																																														
Shri Om Testing & Research Laboravo Ravinder Kumar Sharma  Technical Manager Authorised Signatory (Name, Designation & Signature with Seal)																																																				
STR/LABI/QF/058		Rev.:00																																																		
Note: 1.The results indicated only refer to the tested samples and listed parameters and do not endorse any product. The customer asked for the above tests only. 2.This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory. 3.This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory <small>* This certificate remains valid only for 90 days from the date of issue of the certificate unless specified otherwise and cannot be</small>																																																				

3. Images of Air Quality Monitoring at Test Locations

Place	Image
WTP Site	 A photograph showing an air quality monitoring station set up on a tripod on a dirt path. A person in a white lab coat is standing next to the equipment, and another person is partially visible. In the background, there is a green sign that says "WTP" and some trees under a clear sky.
Mundian	 A photograph of an air quality monitoring station on a tripod in an urban setting. A person in a white lab coat is adjusting the equipment. The background shows a street with buildings, parked cars, and utility poles.
Kwality Chowk	 A photograph showing two individuals in white lab coats and face masks. One person is holding a large green document or map, and they appear to be reviewing it together. The air quality monitoring equipment on a tripod is visible in the foreground. The background shows a busy street with buildings and utility poles.
Sita Nagar	 A photograph of a person in a white lab coat and face mask, kneeling and reviewing a document. The air quality monitoring equipment on a tripod is positioned in front of them. The background shows a street with buildings and a parked car.

Annexure 13: Surface Water Quality Reports

1. Surface Water Quality Test Report- Upstream

SAI Empanelled EIC Approved APEDA Approved Notified State Water Lab - GoP Notified Under EPA - GoI	
No.PBTI/ENV/190624/000232 /338	Dated : 04/07/2024
TEST REPORT	
Sample Registration No. :	PBTI/ENV/190624/000232
Sample code given by customer :	Code- Raw Water taken from Upstream of the Sidwan Canal
Issued to: Superintending Engineer, Operation and Maintenance Cell, Municipal Corporation Building, Zone- D Office, Sarabha Nagar, Near Leisure Valley Park, Adjoining Canal, Ludhiana-141008 Punjab	
SAMPLE PARTICULARS	
Your Ref. No. :	Letter No. Nil, dt: Nil / /
Date of Receipt :	19/06/2024
Name/Nature of sample :	Raw Water
Sample code given by customer :	Code- Raw Water taken from Upstream of the Sidwan Canal
Condition of the sample :	Intact coded sample under unrefrigerated condition
Brand name :	NA
Qty/Pkg. :	6.5L approx in plastic can
Batch No.:	NA
Date of Manufacture :	NA/NM
Sampling Method :	Sample not drawn by PBTI
Test Start Date :	24/06/2024
Test Completion Date :	03/07/2024
 04.07.2024 Authorized Signatory Punjab Biotechnology Incubator Lab Employee Code : Employee Code: 12	
Note: 1. The above results pertain only to the sample tested. 2. There is no addition, deviation or exclusion from the method mentioned. 3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator. 4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator. 5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.	
Format No : PBTI/F/7.8/02 Issue No & Date : 02 & 03.10.23	
Page No. 1/3	
National Referral Lab for LMO/GMO Detection under Seeds Act Approved NRL by FSSAI Referral Lab under FSSA 2006	
Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab - 140 306, India Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com ☒ /pbt_dst	



Dated :

Sample Registration No. : PBTI/ENV/190624/000232
Sample code given by customer : Code- Raw Water taken from Upstream of the Sidwan Canal

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	Total Kjeldahl Nitrogen (TKN)	BDL(MDL:5)	mg/l	IS 3025 (Part 34)
2	Pesticide Residues - Alachlor	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
3	Pesticide Residues - Atrazine	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
4	Pesticide Residue - Aldrin	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
5	Pesticide Residue - Dieldrin	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
6	Pesticide Residues - Alpha HCH	BDL(MDL: 0.005)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
7	Pesticide Residues - Beta HCH	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
8	Pesticide Residue - Delta HCH	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
9	Pesticide Residue - Gamma - HCH (Lindane)	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
10	Pesticide Residues - Butachlor	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
11	Pesticide Residues - Chloropyrifos	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
12	Pesticide Residues -DDT (o,p & p,p-isomers of DDT, DDE & DDD)	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
13	Pesticide Residue - Endosulfan (Alpha)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
14	Pesticide Residue - Endosulfan (Beta)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
15	Pesticide Residue - Endosulfan (Sulphate)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
16	Pesticide Residues - Ethion	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
17	Pesticide Residues - Malathion	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
18	Pesticide Residues - Methyl parathion	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
19	Pesticide Residues - Monocrotophos	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
20	Pesticide Residues - Phorate	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
21	Pesticide Residue - Phorate Sulphone	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
22	Pesticide Residue - Phorate Sulphoxide	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
23	Pesticide Residue - 2, 4 - Dichlorophenoxyacetic acid	BDL(MDL: 0.1)	ug/l	PBTI/SOP/97 :TP-61 by HPLC
24	Pesticide Residue - Isoproturon	BDL(MDL: 0.1)	ug/l	PBTI/SOP/97 : TP 61 By HPLC
25	Poly chlorinated biphenyls (PCB)	BDL(MDL: 0.0001)	ug/l	PBTI/SOP/15 :TP-08 by GCMS
26	Poly aromatic hydrocarbons (PAH)	BDL(MDL: 0.0001)	ug/l	PBTI/SOP/15 :TP-08 by GCMS



Dated :

Sample Registration No. : PBT/ENV/190624/000232
Sample code given by customer : Code- Raw Water taken from Upstream of the Sidwan Canal

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
27	Potassium (as K)	2.1	mg/l	IS 3025(Pt. 45)
28	Phosphorus Total	0.7 (as P)	mg/l	IS 3025 (Part 31)

BDL:Below Detection Limit MDL:Method Detection Limit


04.07.2024
Authorized Signatory

Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 12



2. Surface Water Quality Test Report- Downstream

Punjab Biotechnology Incubator

Department of Science, Technology & Environment,
Govt. of Punjab
Notified State Analytical Agency

SSAI Empanelled | EIC Approved | APEDA Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTI/ENV/190624/000233 /339

Dated : 04/07/2024

TEST REPORT

Sample Registration No. : PBTI/ENV/190624/000233
 Sample code given by customer : Code- Raw Water taken from Downstream of the Sidwan Canal

Issued to:
 Superintending Engineer, Operation and Maintenance Cell,
 Municipal Corporation Building, Zone- D Office,
 Sarabha Nagar, Near Leisure Valley Park, Adjoining Canal,
 Ludhiana-141008
 Punjab

SAMPLE PARTICULARS

Your Ref. No. : Letter No. Nil, dt. Nil / /

Date of Receipt : 19/06/2024
 Name/Nature of sample : Raw Water
 Sample code given by customer : Code- Raw Water taken from Downstream of the Sidwan Canal

Condition of the sample : Intact coded sample under unrefrigerated condition
 Brand name : NA
 Qty/Pkg. : 6.5L approx in plastic can
 Batch No.: NA
 Date of Manufacture : NA/NM
 Sampling Method : Sample not drawn by PBTI
 Test Start Date : 24/06/2024
 Test Completion Date : 03/07/2024

S
 04.07.2024
 Authorized Signatory
 Punjab Biotechnology Incubator Lab
 Employee Code : Employee Code: 12

Note:
 1. The above results pertain only to the sample tested.
 2. There is no addition, deviation or exclusion from the method mentioned.
 3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/02
 Issue No & Date : 02 & 03.10.23

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National Referral Lab for LMO/GMO Detection under Seeds Act | Approved NRL by FSSAI | Referral Lab under FSSA 2006

Knowledge City, Sector-81, SAS Nagar (Mohall) Punjab - 140 306, India

Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com ☒ /pbti_dst



Dated :

Sample Registration No. : PBTI/ENV/190624/000233
Sample code given by customer : Code- Raw Water taken from Downstream of the Sidwan Canal

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	Total Kjeldahl Nitrogen (TKN)	BDL(MDL:5)	mg/l	IS 3025 (Part 34)
2	Pesticide Residues - Alachlor	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
3	Pesticide Residues - Atrazine	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
4	Pesticide Residue - Aldrin	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
5	Pesticide Residue - Dieldrin	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
6	Pesticide Residues - Alpha HCH	BDL(MDL: 0.005)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
7	Pesticide Residues - Beta HCH	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
8	Pesticide Residue - Delta HCH	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
9	Pesticide Residue - Gamma - HCH (Lindane)	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
10	Pesticide Residues - Butachlor	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
11	Pesticide Residues - Chlorpyrifos	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
12	Pesticide Residues -DDT (o,p & p,p-isomers of DDT, DDE & DDD)	BDL(MDL: 0.01)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
13	Pesticide Residue - Endosulfan (Alpha)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
14	Pesticide Residue - Endosulfan (Beta)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
15	Pesticide Residue - Endosulfan (Sulphate)	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
16	Pesticide Residues - Ethion	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
17	Pesticide Residues - Malathion	BDL(MDL: 0.04)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
18	Pesticide Residues - Methyl parathion	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
19	Pesticide Residues - Monocrotophos	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
20	Pesticide Residues - Phorate	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
21	Pesticide Residue - Phorate Sulphone	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
22	Pesticide Residue - Phorate Sulphoxide	BDL(MDL: 0.08)	ug/l	PBTI/SOP/59 :TP-37 by GCMS-MS
23	Pesticide Residue - 2, 4 - Dichlorophenoxyacetic acid	BDL(MDL: 0.1)	ug/l	PBTI/SOP/07 :TP-61 by HPLC
24	Pesticide Residue - Isoproturon	BDL(MDL: 0.1)	ug/l	PBTI/SOP/07 : TP 61 By HPLC
25	Poly chlorinated biphenyls (PCB)	BDL(MDL: 0.0001)	ug/l	PBTI/SOP/15 :TP-08 by GCMS
26	Poly aromatic hydrocarbons (PAH)	BDL(MDL: 0.0001)	ug/l	PBTI/SOP/15 :TP-08 by GCMS



Dated :

Sample Registration No. : PBTI/ENV/190624/000233
Sample code given by customer : Code- Raw Water taken from Downstream of the Sidwan Canal

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
27	Potassium (as K)	2.1	mg/l	IS 3025(Pl. 45)
28	Phosphorus Total	2.5 (as P)	mg/l	IS 3025 (Part 31)

BDL-Below Detection Limit MDL-Method Detection Limit


04.07.2024
Authorized Signatory

Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 12



Annexure 14: Water Quality Reports

1. Water Quality Test locations





SHRI OM TESTING & RESEARCH LABORATORY

Plot No. 296, 1st FNG Road, Sector-121, Ghari Chaukhandi, Noida - 201301
Mob. : 9821154906, 8076937396, 9971980045, 9990934633
E-mail : shriomlab@gmail.com, Web : www.shriomlab.com, www.shriomlab.in

N.A.B.L. Accredited. ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Issued To: Consultancy Services firm to Prepare ESIA,
ESMP and Rap for Ludhiana, Punjab (PMIDC)

Report No: STRLA-18032023023-05
Issue Date: 18.03.2023

Sample Description: Ground Water

RESULTS
(Water Quality Analysis)

SAMPLING DETAILS

Sample Collected by : STRL STAFF
Sampling Protocol : IS-3025(P-1)1987
Date of Sampling : 12.03.2023
Weather Condition : Clear Sky
Sampling Quantity : 5L+500ml
Sample Packing : Plastic/Glass Bottle
Analysis Duration : 13.03.2023 to 18.03.2023

S. No.	Parameters	Units	Limits (as per IS:10500-2012)		Results	Results	Results	Results	Test Methods
			Desirable Limit	Permissible Limit	Wtp site	mundlan (p)	kwality chowk	sita Nagar	
1	Color	Hazen	5	15	<5	<5	<5	<5	IS : 3025(Pt-4)
2	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-5)
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-6)
4	Turbidity	-	1	5	<1.0	<1.0	<1.0	<1.0	IS: 3025(Pt-10)
5	Temperature	°C	-	-	24.4	25.6	25.4	24.8	IS: 3025(Pt-9)
6	Electric Conductivity	umho	-	-	775	846	868	978	IS: 3025(Pt-14)
7	Total Suspended Solid	mg/l	-	-	0.11	0.3	1.4	0.54	IS: 3025(Pt-17)
8	pH	-	6.5-8.5	No Relaxation	7.12	7.11	7.09	7.07	IS : 3025(Pt-11)
9	Total Hardness (as CaCO ₃)	mg/l	200	600	162	172	167	165	IS : 3025(Pt-21)
10	Iron (as Fe)	mg/l	0.3	No Relaxation	0.1	0.09	0.07	0.12	APHA 22 nd Ed., 3120B
11	Chlorides (as Cl)	mg/l	210.2	1000	68	70	65	75	IS : 3025(Pt-32)1988
12	Fluoride (as F)	mg/l	1	1.5	0.04	0.07	0.03	0.05	APHA 22 nd Ed., 4500F(D)
13	TDS	mg/l	500	2000	465	508	521	587	IS: 3025(Pt-16)
14	Calcium (as Ca ²⁺)	mg/l	75	200	58.2	56.2	58.7	54.3	IS :3025(Pt-40)
15	Magnesium (as Mg ²⁺)	mg/l	30	100	4	7.7	4.9	7.1	APHA 22 nd Ed., 3500-Mg

Page 01 of 03

Shri Om Testing & Research Laboratory
Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma

R Sharma
Authorized Signatory
Technical Manager

(Name, Designation & Signature with Seal)

STR/LAB/QF/058

Rev.00

Note: 1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product. The customer asked for the above tests only.

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N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Report No: STRLA-18032023023-05

16	Copper (as Cu)	mg/l	0.05	1.5	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 3120 B / 3111B (AAS)
17	Manganese(as Mn)	mg/l	0.1	0.3	0.02	0.02	0.02	0.02	APHA 22 nd Ed., 3120 B / 3111B(AAS)
18	Sulphate (as SO ₄)	mg/l	200	400	12.5	14.6	15.5	14.4	IS : 3025(Pt-24)
19	Nitrate(as NO ₃)	mg/l	45	No Relaxation	2.5	4.5	3.9	4.2	IS : 3025(Pt-34)
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	0.001	0.002	<0.001	<0.001	<0.001	<0.001	APHA 22 nd Ed., 5530 (c)
21	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	<0.001	<0.001	<0.001	APHA 22 nd Ed. 3120 B, 3112 (AAS-VGA)
22	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	<0.001	<0.001	<0.001	APHA 22 nd Ed., 3120 B / 3111B (AAS)
23	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 3120 B / 3114, AAS-VGA
24	Arsenic (as As)	mg/l	0.01	0.05	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 3120 B/ 3114, AAS-VGA
25	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 4500 CN
26	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 3120 B
27	Zinc (as Zn)	mg/l	5	15	0.02	0.02	0.02	0.02	APHA 22 nd Ed., 3120 B
28	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	<0.01	<0.01	<0.01	APHA 22 nd Ed., 5540 (c)
29	Chromium (as Cr ⁶⁺)	mg/l	0.05	No Relaxation	<0.01	<0.01	<0.01	<0.01	IS : 3025(Pt-52)
30	Mineral oil	mg/l	0.5	No Relaxation	<0.1	<0.1	<0.1	<0.1	IS:3025(Pt-39)
31	Alkalinity (as CaCO ₃)	mg/l	200	600	116	123	119	115	IS: 3025(Pt-23)
32	Aluminium(as Al)	mg/l	0.03	0.2	<0.02	<0.02	<0.02	<0.02	IS 3025(Pt-55)
33	Boron (B)	mg/l	0.5	1	<0.1	<0.1	<0.1	<0.1	IS:3025(Pt-57)
34	Nitrite (NO ₂)	mg/l	-	-	0.05	0.06	0.05	0.05	IS: 3025(Pt-9)
35	Phosphate (PO ₄)	mg/l	-	-	<0.05	<0.05	<0.05	<0.05	IS: 3025(Pt-31)

Page (02 of 03)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma

R Sharma
Technical Manager

Authorised Signatory

(Name, Designation & Signature with Seal)

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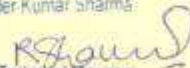
TEST REPORT

Report No: STRLA-18032023023-05									
36	Silica	mg/l	-	-	<10	<10	<10	<10	IS: 3025(Pt-35)
37	Sodium (as Na)	mg/l	-	-	23	25	23	27	IS: 3025(Pt-45)
38	Potassium (as K)	mg/l	-	-	12	13	11	13	IS: 3025(Pt-45)
39	Dissolved Oxygen	mg/l	-	-	5.1	6.3	5.4	5.7	APHA,4500 DC (1998)
40	Total Chromium	mg/l	0.05	No Relaxation	<0.01	<0.01	<0.01	<0.01	IS: 3025(Pt-52) 2003
41	Oil & Grease	mg/l	0.5	No Relaxation	0.01	0.01	0.01	0.01	IS: 3025(Pt-39)1984
42	Bicarbonate	mg/l	--	--	141.5	150	145.1	140.2	APHA, 2320, 22 nd ED. 2012
43	Sodium bi Carbonate	mg/l	--	--	0.24	0.25	0.24	0.27	by calculation
Bacteriological Parameters									
1	Total Coll form	Shall Not Be Detectable		Absent	Absent	Absent	Absent	IS: 1622-1981	
2	E.coli	Shall Not Be Detectable		Absent	Absent	Absent	Absent	IS: 1622-1981	

End of Report

Page (03 of 03)

Shri Om Testing & Research Laboratory
Ravinder Kumar Shama


Technical Manager
Authorised Signatory





(Name, Designation & Signature with Seal)

STRLLAB/QF/056

Rev.00

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Images of Ground Water Quality Monitoring at Test Locations

Place	Image
WTP Site	 A person wearing a white lab coat, a blue surgical cap, and a face mask is leaning over a wall-mounted tap. They are holding a white container to collect water. The setting is outdoors, with a tree and a yellow bucket visible in the background.
Mundian	 A person in a white lab coat and mask is collecting water from a tap in a narrow alleyway. A motorcycle is parked nearby, and a white bucket is on the ground.
Kwality Chowk	 A person in a white lab coat and mask is collecting water from a tap into a concrete basin. The tap is mounted on a wall with some discoloration.
Sita Nagar	 A person in a white lab coat and mask is collecting water from a tap mounted on a wall. The person is wearing gloves and a cap.

Annexure 15: Ground Water Quality Report for 40 Tube Wells

**O/o Quality Manager-cum- Director (Water Quality),
Regional Advance Water Testing Laboratory, DWSS
Phase-2, SAS Nagar, Punjab**

Tel: 0172-4330340 (O)
Email: rawtlmohali@gmail.com

To

CEO Ludhiana,
Ludhiana Smart City Limited,
Distt. Ludhiana.

No. 1868

Date: 26.12.2019

Subject :- Revised: Test Reports of water samples.

Please find the enclosed here with the report no. RAWTL/13932-97/1313 dated 26.12.2019 samples received on 18.12.2019. You are requested to fill the attached feedback form and send it to Regional Advance Water Testing Laboratory, Phase 2, SAS Nagar, Mohali

DIA Test Report


Quality Manager-cum-Director (WQ)
RAWTL, DWSS, Punjab

**Regional Advance Water Testing Laboratory (RAWTL)
Phase- 2, SAS Nagar**

ULR-TC6388190000000300F

ID No. RAWTL/13932-971/1313

Dated 26/12/2019

TEST REPORT

Chemical Testing

Sr. No	Group	Sample Tested in Group (✓)
1.	Residues in Water	✓
2.	Water	✓


Sample Registration No. : RAWTL/13932-971

Sample code given by customer : Not Applicable

Issued to: - CEO Ludhiana,
Ludhiana Smart City Limited,
Distt. Ludhiana.

SAMPLE PARTICULARS

Ref. Letter No. : Letter No. 117 Dated: 17.12.2019
Date of Receipt : As per Annexure 1 attached
Sample code given by customer : Not Applicable
Name / Nature of sample : Water
Condition of the sample : Un-Sealed samples
Qty/Pkg : 500 ml Amber Colored Glass Bottle
Sampling Method : Sample not drawn by RAWTL
Test Start Date : 18.12.2019
Test Completion Date : 26.12.2019


Er. Veenakshi Sharma
(Director (WQ)-cum-Quality Manager)
Authorized Signatory
For Regional Advance Water Testing Laboratory

Note:

- ☞ The enclosed results pertain only to the sample tested.
- ☞ The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.
- ☞ This report cannot be re-produced, except when in full, without the written permission from the Head, DWSS.
- ☞ The sample shall be destroyed after one month from the date of issue of the report.

ULR- TC63881900000300F

ID No. RAWTL/13932-971 / 1313

Dated 26/12/2019

Sample Registration No. : RAWTL/13932-971
 Sample code given by customer : Not Applicable

**Test Results
 Chemical Testing**

Radioactive Elements (Residues in Water)						
Sr. No	Parameter	WHO limit (ppb)	AERB limit (ppb)	Method Detection Limit (MDL) (ppb)	Result	Standard / Specification/ Method Followed
1.	Uranium (U ²³⁸)	30	60	5	As per Annexure Attached	APHA-3125B - By ICPMS
Heavy Metals (As per IS 10500 : 2012) (Residues in Water)						
Sr. No.	Parameter	Acceptable limit mg/l	Permissible Limit mg/l	Method Detection Limit (MDL) (mg/l)	Result	Standard / Specification/ Method Followed
1	Aluminum (Al)	0.03	0.2	0.01	As per Annexure Attached	APHA-3125B - By ICPMS
2	Chromium (Cr)	0.05	No relaxation	0.005		
3	Iron (Fe)	1.0	No relaxation	0.01		
4	Nickel (Ni)	0.02	No relaxation	0.005		
5	Mercury (Hg)	0.001	No relaxation	0.0005		
6	Arsenic (As)	0.01	No relaxation	0.005		
7	Selenium (Se)	0.01	No relaxation	0.005		
8	Cadmium (Cd)	0.003	No relaxation	0.001		
9	Lead (Pb)	0.01	No relaxation	0.005		
10	Copper (Cu)	0.05	1.5	0.01		
Anions (Water)						
Sr. No.	Parameter	Acceptable limit mg/l	Permissible Limit mg/l	Method Detection Limit (MDL) (mg/l)	Result	Standard / Specification/ Method Followed
1.	Fluoride (F)	1.0	1.5	0.1	As per Annexure Attached	APHA-4110 - By IC
2.	Chloride (Cl)	250	1000	0.5		
3.	Nitrate (NO ₃)	45	No relaxation	0.5		
4.	Sulphate (SO ₄)	200	400	0.5		
Cations (Water)						
1.	Calcium (Ca)	75	200	2.0	As per Annexure Attached	ISO 14911
2.	Magnesium (Mg)	30	100	1.0		
Note 1:		ppb: parts per billion		mg/l: milligram per litre	MDL - method detection limit	
				APHA: American Public Health Association		BDL- Below Detection Limit
Note 2:		The parameters marked with an * are not accredited by NABL.				

Deputy Quality Manager

Authorized Signatory

2 of 4

ULR-TC63881900000306F
 ID No : RAWTL/13932-97/1315
 Dated 21/12/2019

Annexure-1

Sr. No.	Registration No	District	Block	Name of Village	Sample Receipt Date	Source	Depth	As per IS 15000:2012 (Rev 2): Requirement (Acceptable limit - Prescribable limit) mg/l											Uranium (µg/l)	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium
								Aluminium	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	Copper	Not Applicable							
As per WHO limit								Not Applicable											Limit 30 (µg/l)	Not Applicable					
As per AERB limit								Not Applicable											Limit 30 (µg/l)	Not Applicable					
Method detection limit (mg/L)								0.01	0.005	0.005	0.005	0.0005	0.003	0.001	0.005	0.010	0.010	0.010	5 µg/l	0.1	0.5	0.5	0.5	1.0	1.0
1	RAWTL/13932	Ludhiana	Ludhiana city	Friends Colony	18.12.2019	Tubewell (Zone A)	NM	0.020	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.054	0.014	30.84	0.48	22.77	1.84	122.96	52.47	29.87
2	RAWTL/13933	Ludhiana	Ludhiana city	Aman Nagar	18.12.2019	Tubewell (Zone A)	NM	0.109	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.069	0.014	30.78	0.45	21.13	2.37	125.99	55.66	34.72
3	RAWTL/13934	Ludhiana	Ludhiana city	Bandha Bahadar	18.12.2019	Tubewell (Zone A)	NM	0.010	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.037	0.013	22.87	0.46	14.18	5.72	70.58	43.18	23.99
4	RAWTL/13935	Ludhiana	Ludhiana city	Pambra Road	18.12.2019	Tubewell (Zone A)	NM	0.032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.038	0.014	27.30	0.31	7.33	4.37	79.13	45.64	31.30
5	RAWTL/13936	Ludhiana	Ludhiana city	Vahval Colony(Sharnshah Ghat)	18.12.2019	Tubewell (Zone A)	NM	0.098	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.130	0.015	15.23	0.34	6.87	BDL	95.56	22.05	11.36
6	RAWTL/13937	Ludhiana	Ludhiana city	Ashok Nagar(Sharnshah Ghat)	18.12.2019	Tubewell (Zone A)	NM	0.053	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.083	0.015	42.59	0.27	45.61	1.32	97.72	59.74	40.18
7	RAWTL/13938	Ludhiana	Ludhiana city	Bhona Colony	18.12.2019	Tubewell (Zone A)	NM	0.662	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.045	0.013	32.58	0.39	19.24	3.87	123.91	59.62	34.85
8	RAWTL/13939	Ludhiana	Ludhiana city	Ajjan colony	18.12.2019	Tubewell (Zone A)	NM	0.698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.043	0.014	32.93	0.35	19.45	2.13	126.06	59.51	31.82
9	RAWTL/13940	Ludhiana	Ludhiana city	Govind Pun	18.12.2019	Tubewell (Zone A)	NM	0.106	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.071	0.016	26.77	0.43	10.15	14.34	56.28	44.54	26.34
10	RAWTL/13941	Ludhiana	Ludhiana city	Jatra Colony	18.12.2019	Tubewell (Zone A)	NM	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.024	0.012	27.51	0.51	21.12	26.19	58.85	59.87	31.85
11	RAWTL/13942	Ludhiana	Ludhiana city	Prem Vihar	18.12.2019	Tubewell (Zone B)	NM	0.047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.044	0.014	46.71	0.38	31.45	7.73	119.39	57.86	40.24
12	RAWTL/13943	Ludhiana	Ludhiana city	Shubash Nagar Park	18.12.2019	Tubewell (Zone B)	NM	0.015	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.025	0.014	23.04	0.43	28.34	20.76	61.78	51.98	27.47
13	RAWTL/13944	Ludhiana	Ludhiana city	Tikona Park	18.12.2019	Tubewell (Zone B)	NM	0.019	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.036	0.015	33.16	0.36	106.36	90.55	93.78	87.72	43.16
14	RAWTL/13945	Ludhiana	Ludhiana city	New National Colony	18.12.2019	Tubewell (Zone B)	NM	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.064	0.013	23.71	0.36	3.31	BDL	15.63	27.07	17.48
15	RAWTL/13946	Ludhiana	Ludhiana city	Gad-03(Puda park)	18.12.2019	Tubewell (Zone B)	NM	0.034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.048	0.016	21.34	0.49	3.15	BDL	20.03	28.85	19.80
16	RAWTL/13947	Ludhiana	Ludhiana city	Ews Colony-01	18.12.2019	Tubewell (Zone B)	NM	0.127	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.116	0.018	23.04	0.38	3.38	0.95	16.61	27.91	19.57
17	RAWTL/13948	Ludhiana	Ludhiana city	Baba Jaran Singh Nagar	18.12.2019	Tubewell (Zone B)	NM	0.067	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.165	0.169	27.96	0.41	10.06	2.99	12.30	47.06	32.53
18	RAWTL/13949	Ludhiana	Ludhiana city	Mustaq Gary	18.12.2019	Tubewell (Zone B)	NM	0.035	BDL	0.005	BDL	BDL	BDL	BDL	BDL	BDL	0.090	0.015	22.34	0.46	25.26	46.74	21.91	58.59	52.52
19	RAWTL/13950	Ludhiana	Ludhiana city	Hargobind Pura ST-07	18.12.2019	Tubewell (Zone B)	NM	0.034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.041	0.011	22.16	0.46	25.90	47.75	23.50	58.08	29.17
20	RAWTL/13951	Ludhiana	Ludhiana city	Near H-1109 Sec-39 (park)	18.12.2019	Tubewell (Zone C)	NM	0.048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.147	0.019	26.93	0.34	23.79	15.95	17.21	41.61	28.86
21	RAWTL/13952	Ludhiana	Ludhiana city	Sae Nagar ST-3	18.12.2019	Tubewell (Zone C)	NM	0.320	0.006	0.006	BDL	BDL	BDL	BDL	BDL	BDL	0.190	0.046	23.39	0.50	41.14	95.45	27.47	63.07	36.59
22	RAWTL/13953	Ludhiana	Ludhiana city	Oil Market ST-1	18.12.2019	Tubewell (Zone C)	NM	0.138	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.078	0.013	24.78	0.68	48.78	95.06	26.59	55.50	34.29
23	RAWTL/13954	Ludhiana	Ludhiana city	Mozi Colony OHSR	18.12.2019	Tubewell (Zone C)	NM	0.063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.065	0.023	36.58	0.53	44.18	68.43	18.94	61.60	44.45
24	RAWTL/13955	Ludhiana	Ludhiana city	Gyaspora Park	18.12.2019	Tubewell (Zone C)	NM	0.041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.051	0.014	37.29	0.54	82.25	31.01	78.67	19.75	36.10

Sl. No.	Registration No	District	Block	Name of Village	Sample Receipt Date	Source	Depth	Aluminium	Lead	Selenium	Chromium	Mercury	Arsenic	Cadmium	Nickel	Iron	Copper	Uranium (U LM)	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesium	
25	RAWTL/13956	Ludhiana	Ludhiana city	Shanti Nagar	18.12.2019	Tubewell (Zone C)	NM	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.052	0.014	33.18	0.50	12.12	16.54	11.99	53.50	39.58	
26	RAWTL/13957	Ludhiana	Ludhiana city	Preet Nagar	18.12.2019	Tubewell (Zone C)	NM	0.068	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.058	0.018	24.88	0.43	4.79	1.36	6.37	34.67	29.04	
27	RAWTL/13958	Ludhiana	Ludhiana city	Shaheed Karam Singh Nagar(SUA ROAD)	18.12.2019	Tubewell (Zone C)	NM	0.067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.048	0.016	21.18	0.50	20.02	19.55	14.34	45.75	39.54	
28	RAWTL/13959	Ludhiana	Ludhiana city	Gurudwara Mata Gurn Nagar	18.12.2019	Tubewell (Zone C)	NM	0.025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.034	0.014	14.15	0.78	7.75	14.42	27.07	37.45	24.09	
29	RAWTL/13960	Ludhiana	Ludhiana city	Gurudwara Parkiana Sahib ST-12 (MAJRI COLONY)	18.12.2019	Tubewell (Zone C)	NM	0.047	BDL	0.015	BDL	BDL	BDL	BDL	BDL	0.027	0.017	36.08	0.56	29.50	44.59	26.70	52.47	31.52	
30	RAWTL/13961	Ludhiana	Ludhiana city	New Smart Colony	18.12.2019	Tubewell (Zone C)	NM	0.013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.031	0.016	34.69	0.55	81.22	31.97	82.04	52.96	42.10	
31	RAWTL/13962	Ludhiana	Ludhiana city	Shamshangan Halbowal	18.12.2019	Tubewell (Zone D)	NM	0.089	BDL	0.012	BDL	BDL	BDL	BDL	BDL	0.053	0.012	21.45	0.40	45.46	61.26	50.45	63.36	34.10	
32	RAWTL/13963	Ludhiana	Ludhiana city	Jagat Nagar (Jassian Road)	18.12.2019	Tubewell (Zone D)	NM	0.045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.123	0.015	21.83	0.44	3.55	BDL	26.92	27.93	18.76	
33	RAWTL/13964	Ludhiana	Ludhiana city	Main Road Pitam Nagar	18.12.2019	Tubewell (Zone D)	NM	0.054	BDL	0.014	BDL	BDL	BDL	BDL	BDL	0.012	0.055	0.014	25.55	0.47	24.89	34.48	46.27	54.45	32.76
34	RAWTL/13965	Ludhiana	Ludhiana city	Punj Peer Road	18.12.2019	Tubewell (Zone D)	NM	0.045	BDL	0.009	BDL	BDL	BDL	BDL	BDL	0.063	0.021	23.70	0.48	6.84	12.37	21.38	41.58	26.55	
35	RAWTL/13966	Ludhiana	Ludhiana city	Halbowal Khurd	18.12.2019	Tubewell (Zone D)	NM	0.205	BDL	0.024	BDL	BDL	BDL	BDL	BDL	0.187	0.016	30.85	0.40	69.68	13.88	25.40	51.93	29.09	
36	RAWTL/13967	Ludhiana	Ludhiana city	Front DMC Hospital	18.12.2019	Tubewell (Zone D)	NM	0.037	BDL	0.005	BDL	BDL	BDL	BDL	BDL	0.089	BDL	20.38	0.38	79.33	11.25	16.75	67.49	36.37	
37	RAWTL/13968	Ludhiana	Ludhiana city	Patel Nagar Near Cemetery Road	18.12.2019	Tubewell (Zone D)	NM	0.052	BDL	0.008	BDL	BDL	BDL	BDL	BDL	0.064	0.021	30.88	0.35	115.03	50.80	54.67	61.19	48.75	
38	RAWTL/13969	Ludhiana	Ludhiana city	Sekhor Bark Club Road	18.12.2019	Tubewell (Zone D)	NM	0.069	BDL	0.006	BDL	BDL	BDL	BDL	BDL	0.068	0.016	13.31	0.47	47.87	57.52	33.95	60.48	35.27	
39	RAWTL/13970	Ludhiana	Ludhiana city	Mandeep Nagar	18.12.2019	Tubewell (Zone D)	NM	0.112	BDL	0.0101	BDL	BDL	BDL	BDL	BDL	0.076	0.025	27.60	0.40	13.42	23.03	35.35	47.51	30.31	
40	RAWTL/13971	Ludhiana	Ludhiana city	Maya Nagar	18.12.2019	Tubewell (Zone D)	NM	0.012	BDL	0.011	BDL	BDL	BDL	BDL	BDL	0.020	0.011	20.18	0.44	12.02	13.89	16.75	46.48	25.15	

The parameters marked with an * are not accredited by NABL

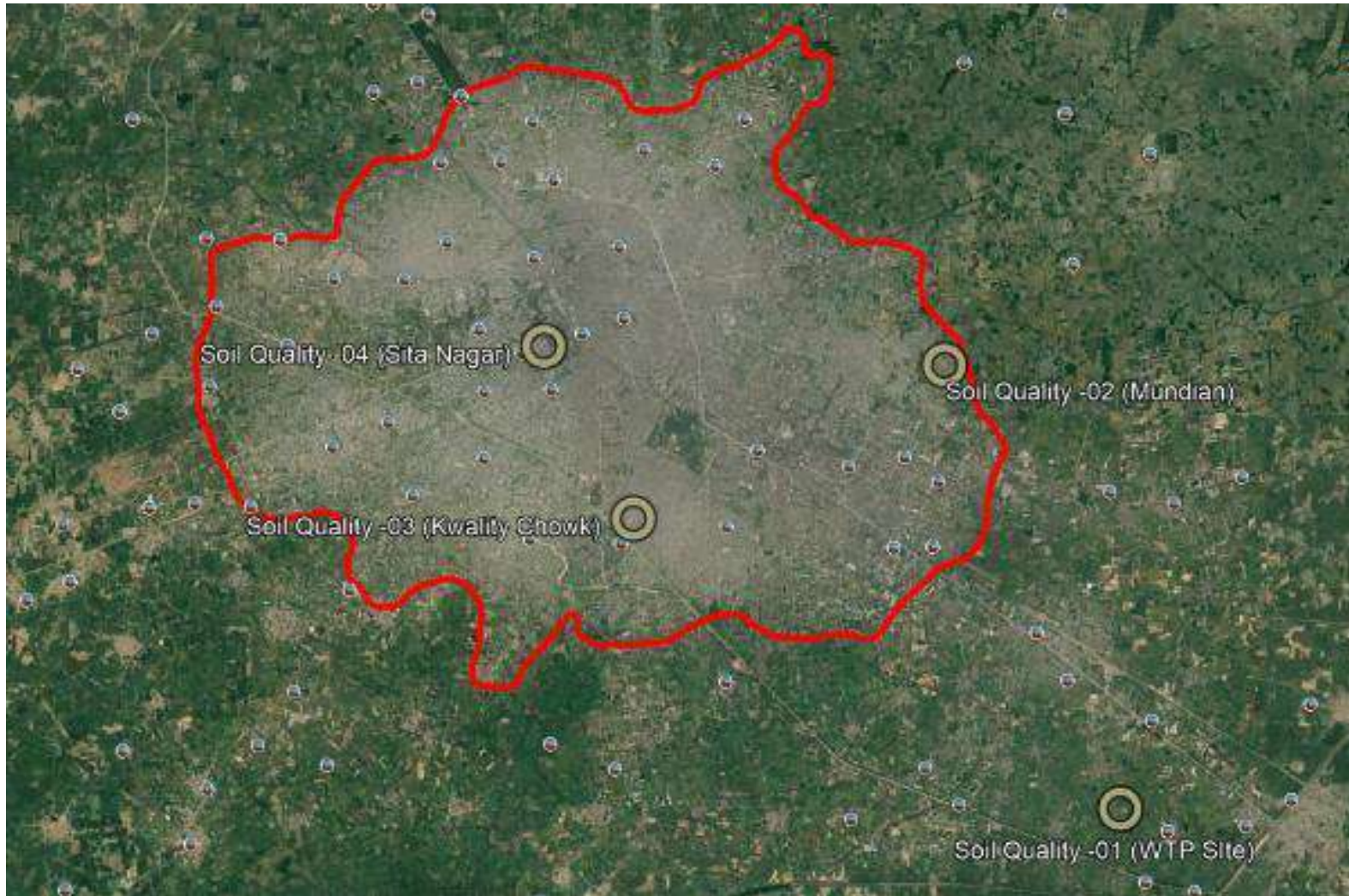
SDE-cum-DIN
Regional Advance Water Testing Laboratory
Phase-2, S.A.S. Nagar


Er. Veenakshi Sharma
Director (WQ)-cum-Quality Manager
Authorised Signatory
For Regional Advance Water
Testing Laboratory, SAS Nagar (Mohali)

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Annexure 16: Soil Quality Reports

1. Soil Quality Test Locations



2. Soil Quality Report:



SHRI OM TESTING & RESEARCH LABORATORY

Plot No. 296, 1st FNG Road, Sector-121, Ghazi Chaughandi, Noida - 201301
 Mob. : 9821154906, 8078937396, 9971980045, 9990934633
 E-mail : shriomlab@gmail.com, Web. : www.shriomlab.com, www.shriomlab.in

N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Issued To: Consultancy Services firm to Prepare ESIA,
ESMP and Rap for Ludhiana, Punjab (PMDC)

Report No: STRLA-18032023023-07
Issue Date: 18.03.2023

Sample Description: Soil

RESULTS
(Soil Quality Analysis)

SAMPLING DETAILS

Date of Sampling : 12.03.2023
 Sample Collected by : STRL Staff
 Sampling Protocol : STRL/STP/SOIL/01
 Sampling Quantity : 5 kg
 Analysis Duration : 14.03.2023 to 18.03.2023

S.No	PARAMETERS	UNIT	S-1 WTP Site Sandy clay Loam	S-2 Mundian Sandy Loam	S-3 Kwalty Chowk Sandy Loam	S-4 Sita Nagar Sandy Loam	TEST PROTOCOL
1.	Texture		Sandy clay Loam	Sandy Loam	Sandy Loam	Sandy Loam	IS: 2720 (part-4), 1985 (Reaff:2015)
2.	Clay	%	65.2	56.7	39.5	56.6	IS: 2720 (part-4), 1985 (Reaff:2015)
3.	Silt	%	11.1	19.1	23.3	11.5	IS: 2720 (part-4), 1985 (Reaff:2015)
4.	Sand	%	23.7	24.2	37.2	31.9	IS: 2720 (part-4), 1985 (Reaff:2015)
5.	Porosity	%	42.5	43.9	46.8	48.3	STRL /STP/SOIL/01
6.	Bulk Density	g/cc	1.32	1.34	1.21	1.22	STRL /STP/SOIL/01
7.	Water Holding Capacity	%	33.4	35.7	33.75	30.6	STRL /STP/SOIL/01
8.	pH	---	7.65	7.57	7.54	7.98	STRL /STP/SOIL/01
9.	Electrical Conductivity	µmhos/cm	265	262	301	325	STRL /STP/SOIL/01
10.	Magnesium	mg/kg	173.2	138.2	119	132.2	STRL /STP/SOIL/01
11.	Calcium	mg/kg	183.3	167.3	121.8	163.9	STRL /STP/SOIL/01
12.	Alkalinity (as Bicarbonates)	mg/kg	176.6	78.5	84.2	67.6	STRL /STP/SOIL/01
13.	Chlorides	mg/kg	60	64	60	71	STRL /STP/SOIL/01
14.	Sodium	mg/kg	50	46	40	34	STRL /STP/SOIL/01

Page (01 of 02)

Shri Om Testing & Research Laboratory
Ravinder Kumar Sharma



Authorized Signatory
Technical Manager

(Name, Designation & Signature with Seal)

STRLAB/QF/058 Rev:00

Note: 1.The results indicated only refer to the tested samples and listed parameters and do not endorse any product. The customer asked for the above tests only.
 2.This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
 3.This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.
 4.This certificate rendered shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for



SHRI OM TESTING & RESEARCH LABORATORY

Plot No. 296, 1st FNG Road, Sector-121, Ghazi Chaukhandi, Noide - 201301

Mob. : 9821154906, 8076937386, 8971980045, 8990934633

E-mail : shriomlab@gmail.com, Web. : www.shriomlab.com, www.shriomlab.in

N.A.B.L. Accredited, ISO 9001, ISO 14001 & ISO 45001 Certified Laboratory.

TEST REPORT

Report No: STRLA-18032023023-07

S.No	PARAMETERS	UNIT	S-1	S-2	S-3	S-4	TEST PROTOCOL
			WTP Site	Mundian	Kwalty Chowk	Sita Nagar	
15	Potassium	mg/kg	294.82	227.56	251.25	379.31	STRL /STP/SOIL/01
16	Organic Carbon	%	0.75	0.97	0.9	0.83	IS : 2720 (Part-24)-1976(Reaff.2015)
17	Organic matter	%	1.3	1.67	1.55	1.43	IS : 2720 (Part-24)-1976(Reaff.2015)
18	Phosphorous	mg/kg	12.28	16.31	18.67	17.92	IS: 2720 (part-26),1987 (Reaff.2011)
19	SAR	meq	0.63	0.63	0.61	0.48	STRL /STP/SOIL/01
20	Nitrogen (as N)	mg/kg	263.23	241.57	125.68	209.72	STRL /STP/SOIL/01
21	Salinity (as NaCl)	%	0.4	0.37	0.42	0.38	STRL /STP/SOIL/01
22	Zinc as Zn(mg/kg)	mg/kg	11.3	12.5	15.2	12.3	STRL /STP/SOIL/01/ICP-OES
23	Iron as Fe (mg/kg)	mg/kg	9.48	10.3	11.3	2.07	STRL /STP/SOIL/01/ICP-OES
24	Selenium as Se (mg/kg)	mg/kg	<0.1	<0.1	<0.1	<0.1	STRL /STP/SOIL/01/ICP-OES
25	Copper as Cu	mg/kg	153	143	143	134	STRL /STP/SOIL/01/ICP-OES
26	Manganese as Mn	mg/kg	16.3	21.3	22.8	14.3	STRL /STP/SOIL/01/ICP-OES
27	Fluorine as F	mg/kg	<0.1	<0.1	<0.1	<0.1	STRL /STP/SOIL/01/ICP-OES
28	Chromium as Cr	mg/kg	8.46	9.21	11.8	12.7	STRL /STP/SOIL/01/ICP-OES
29	Molybdenum	mg/kg	<0.1	<0.1	<0.1	<0.1	STRL /STP/SOIL/01/ICP-OES
30	Nickel	mg/kg	<0.1	<0.1	<0.1	<0.1	STRL /STP/SOIL/01/ICP-OES
31	Silicom as Si	mg/kg	<0.1	<0.1	<0.1	<0.1	STRL /STP/SOIL/01/ICP-OES

** End of report **

Page (01 of 02)

Shri Om Testing & Research Laboratory,
Ravinder Kumar Sharma

R Sharma
Technical Manager
Authorised Signatory

(Name, Designation & Signature with Seal)

STRLAB/QF/058

Rev.00




Note: 1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product. The customer asked for the above tests only.

2. This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.

3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

4. The samples retained shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for

3. Images of Soil Quality Monitoring at Test Locations

Place	Image
WTP Site	
Mundian	
Kwality Chowk	
Sita Nagar	

Annexure 17: Government of Punjab's Notification intimating strips of land along roads and canals as Protect Forest Area.

ANNEXURE-XI

**REVENUE DEPARTMENT
(Forests)
Notification**

The 3rd May, 1958

No. 1122-Ft-58/1195 :- In super session of Punjab Government Notifications :-

1. No. 260-Ft dated the 8th February, 1945.
2. No. 5002-D-51/6264 dated the 15th November, 1951.
3. No. 563-Ft-54-458, dated the 3rd March, 1955.
4. No. 3384-Ft-55/2134 dated the 19th August, 1955.

and in exercise of the powers conferred by section 29 of the Indian Forest Act, 1927, and all other powers enabling him in this behalf, the Governor of Punjab is pleased to declare the strips of Government forest or waste land whether under tree growth or not on either side of all roads, canal and railways in the State of Punjab except those in the Patiala Division, described in the following Schedule, to be protected forests, and the provisions of Chapter IV and Section 68 of the said Act to be applicable to them:-

SCHEDULE

Name of Strips	Description and situation
Roads	All Public Works Department (Buildings and Roads) road side strip and also other Public Works Department lands in Punjab State transferred to the Forest Department for management.
Canal	All land on either side of Public Works Department (irrigation Branch) canals and canal roads including main canals, branches distributaries, minors, escapes and bunds and also other land of that department transferred to the Forest Department for management.
Railways	The land along the railways track and station yards on Northern Railway transferred to the Forest Department for management.

No. 1122-Ft-58/1196 :- Whereas by Punjab Government Notification No. 1122-Ft-58/1195 dated the 3rd May, 1958, all strips of Govt. waste lands, demarcated by boundary pillars whether under tree growth or not on either side of all roads, canals and railways in the State of Punjab except Patiala Division as mentioned in the Schedule annexed to the said notification have been declared to be protected forests under Section 29 of the Indian Forest Act, 1927. NOW THEREFORE :- The Governor of Punjab in exercise of powers conferred by section 30 of the said Act is pleased :-

(a) to declare all trees standing in or upon these lands to be reserved with effect from the date of publication of this notification; and

वी.के. शर्मा/V.K. Sharma
 जनरल मैनेजर (टेक्निकल) General Manager (Tech.)
 नेशनल हाइवेज प्रोजेक्ट्स प्राधिकरण
 National Highways Authority of India
 एम्बाला-अम्बाला/PIU-Ambala

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- (b) to prohibit from the same date the quarrying of stones, burning of lime or charcoal or subjection to any manufacturing process, or removal of any forest produce in any such forest and the breaking up or clearing of land for building or for herding cattle or for any other purpose of any land in such Forests.

No. 1122-Ft-58-1197 :- Whereas by Punjab Government Notification No. 1122-Ft-58/1195 dated the 3rd May, 1958, all strips of Govt. waste land demarcated by boundary pillars whether under tree growth or not on either side of all roads, canals and railways in the State of Punjab except Patiala Division as mentioned in the Schedule annexed to the said notification have been declared to be protected forests under Section 29 of the Indian Forest Act of 1927.

Now, therefore, in exercise of the powers conferred by section 32 of the said Act, the Governor of Punjab is pleased to make the following rules applicable to all the lands specified in the aforesaid notification :-

RULES

1. No person shall cut, fell girdle or lop any tree for any purpose whatsoever or remove any forest produce, without, the previous permission of the Divisional Forest Officer, for the time being incharge of the Forest Division in which such lands are situated: Provided that in times of emergency the Executive Engineers incharge of the :-
 - (a) Canals
 - (b) Public Works Department Road, and
 - (c) Railwaysmay cut, fell or lop any tree for use on the ---
 - (a) Canals
 - (b) Public Works Department Road, and
 - (c) Railways,respectively
2. No person shall herd, pasture, graze or retain sheep goats or camels or other kind of cattle on the lands specified in the Schedule annexed to Punjab Govt. Notification No. 1122-Ft-58/1195 dated the 3rd May, 1958. However, Divisional Forest Officer, of the Forest Division concerned may permit grazing by a limited number of cattle.
3. No person shall clear or break up land without previous permission of the Divisional Forest Officer concerned. The executive Engineer incharge of the Railways or roads or canals may, however, permit the breaking up of land to remove earth for use on railway lines, roads and canals, as the case may be, in times of emergency.
4. No person shall out or remove grass without the approval of the Divisional Forest Officer of the Forest Division concerned.
5. No person shall set fire to grass, trees or timber of kindle a fire on the land without taking reasonable precautions to prevent its spreading to any tree.

6. Income from compounding of offence against these rules under Section 68 of the Indian Forest Act, 1927 shall be credited to the Government.

NAKUL SEN,
Secretary to Government,
Punjab, Forest Department

No. 1122-Ft-50/1198 dated Simla-2 the 3rd May, 1958
Copy is forwarded for information to the :-
Chief Conservator of Forests, Punjab, Simla-2, with reference to his memorandum No. C-280 (9) Roads/4130 dated the 3rd March, 1958 11 copies of the Notification will be supplied to him in due course by the press.

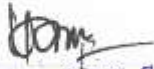
By order
Sd/-
for Under Secretary to Govt. Punjab,
Forests & Game Preservation Department.

No. 1122-Ft-50/1199 dated Simla-2 the 3rd May, 1958
Copy with a spare copy of the Notification is forwarded to the Controller of Printing and Stationary, Punjab Chandigarh, for publishing the notification in official Gazette 11 printing copies of the notification may please be supplied to the Chief Conservator of Forests, Punjab, Simla-2 in due course.

Sd/-
for Under Secretary to Govt. Punjab,
Forests & Game Preservation Department.

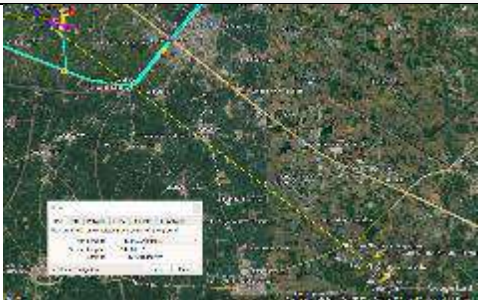




Endst. No. C-280 (a) Roads/2527 dated 26.05.1958
A copy is forwarded to :-
1. All C.Fs..
2. All D.F.Os for information & guidance.






Sd/-
G.S. Dhillon
C.C.F. Punjab.






वी.के. शर्मा/V.K. Sharma
जनरल मैनेजर (टेक.) General Manager (Tech.)
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.ई.-अम्बाला/PIU-Ambala

Annexure 18: Details of Archaeological Sites, Protected Monuments and Eco-sensitive Zones.

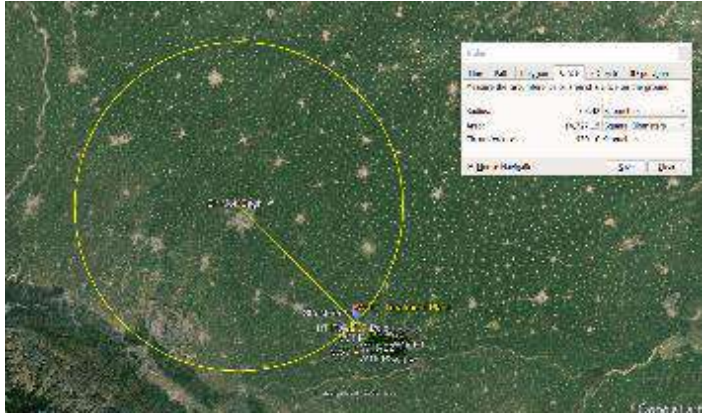
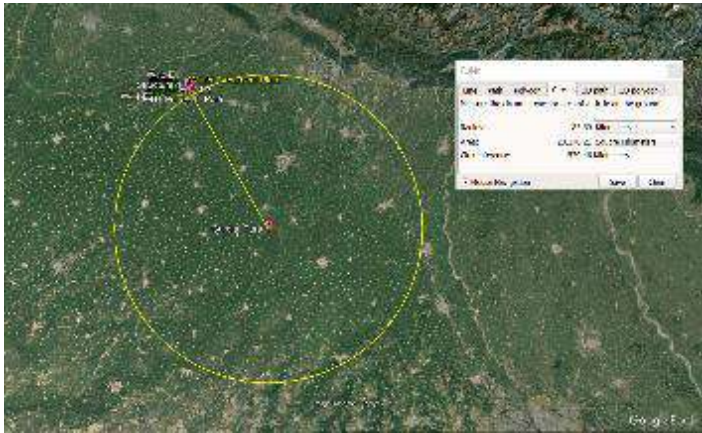
1. Distance of all the Protected Monument, Cultural Heritage site from the nearest project component

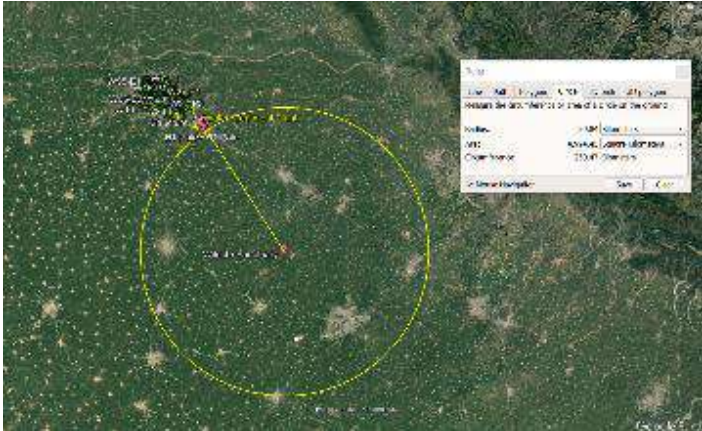
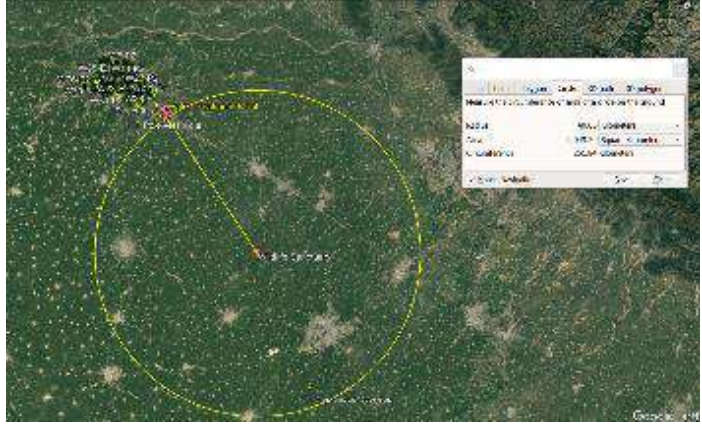
S. No.	Name of Monument/ Site	Location	Distance from nearest Project component	Distance mapped using Google Earth
1	Kos Minar	Ghungrali Rajputan	14 km from WTP	
2	Kos Minar	Lashkri Khan	10.5 km from WTP	
3	Kos Minar	Ludhiana (Dhandari Kalan)	450m from Transmission Line Near W30-P4 (Missing as per ASI)	
4	Kos Minar	Ludhiana (Sherpur)	500m from Transmission Line Near W21-E1	
5	Ancient Site	Sunet	600m from proposed ESR W71-E2	

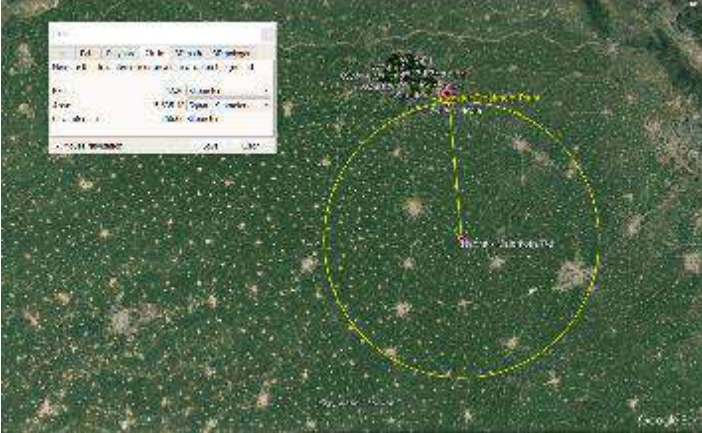
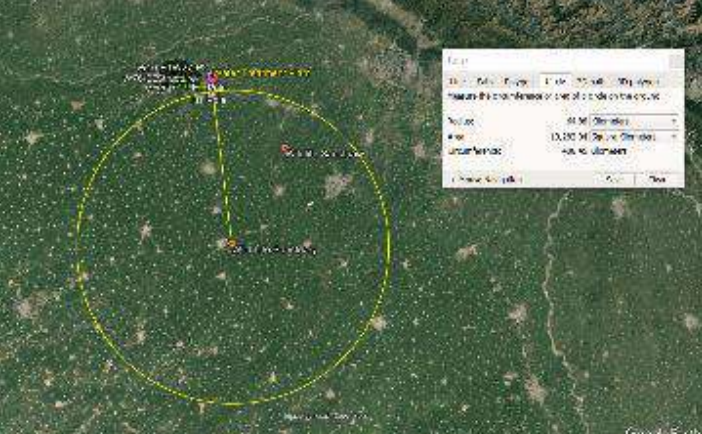
S. No.	Name of Monument/ Site	Location	Distance from nearest Project component	Distance mapped using Google Earth
6	Kos Minar	Sanehwal	400m from the proposed transmission line	
7	Mughal Sarai	Doraha (Carvon)	2.9 km from WTP	
8	Anglo Sikh War Memorial Aliwal		16 km from W74-P3	
9	Ancestral House of Lala Lajpat Rai	Jagraon Plot	31 km from W74-P2	
10	Kos Minar,	Kot Paniach same as Lashkri Khan	10.5 km from WTP	

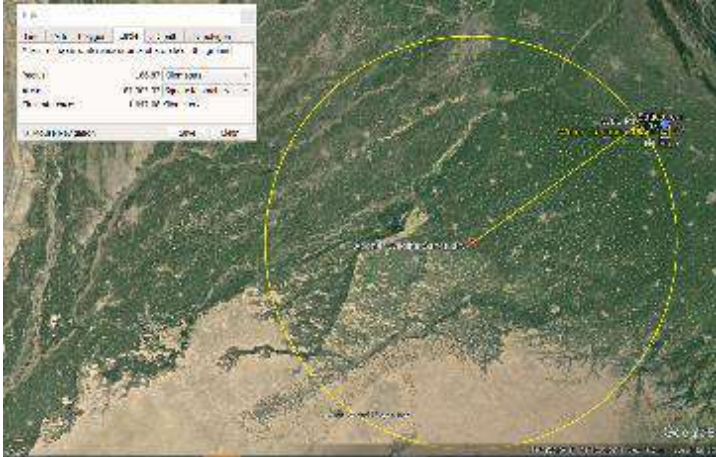
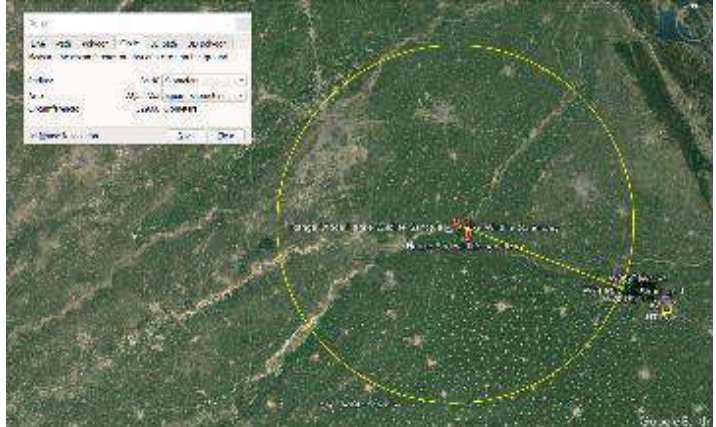
S. No.	Name of Monument/ Site	Location	Distance from nearest Project component	Distance mapped using Google Earth
11	Ancestral House of Shaheed Kartar Singh	Sarabha village	16.4 km from W73-E1	
12	Gurudwara Alamgir Sahib	Alamgir Rd, Ludhiana	4.7 Km from Proposed transmission line	
13	Maharaja Ranjit Singh War Museum	Grand Trunk Rd, Bhattian, Ludhiana	1.2 Km from Proposed transmission line	
14	Gurudwara Charan Kanwal Sahib, Machhiwara	Machhiwara, Ludhiana	24.5 Km from Proposed transmission line	

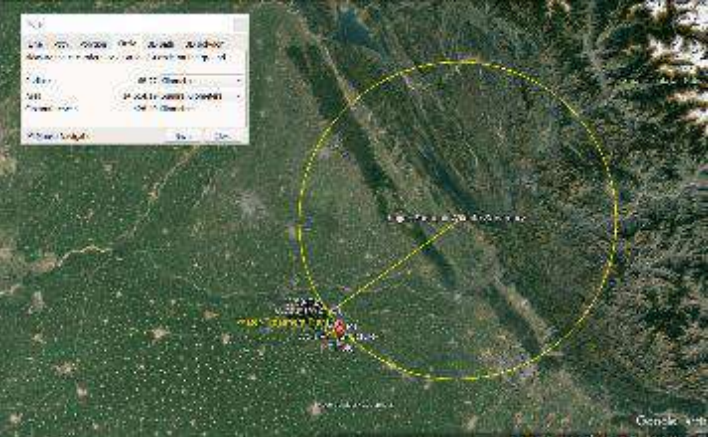
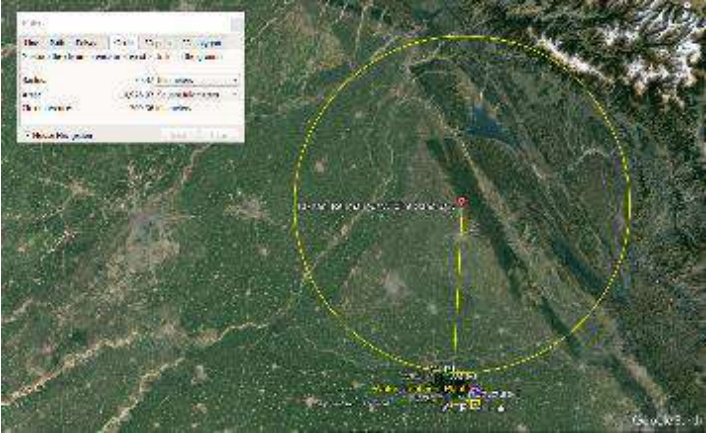
2. Distance of all the Eco-Sensitive Zones from the nearest project component

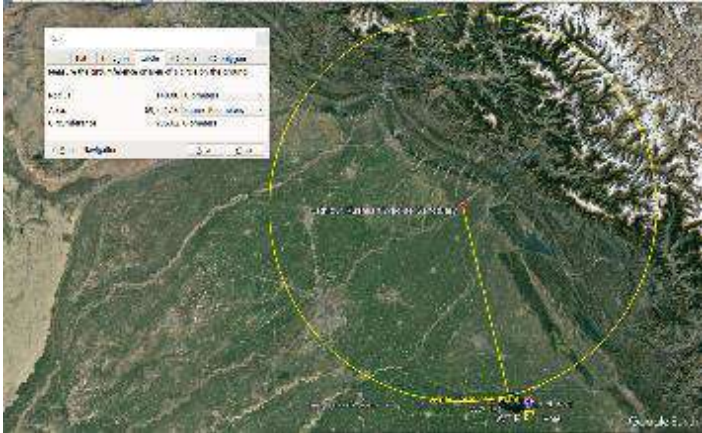

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
1	Bir Motibagh wildlife sanctuary	5 km from Patiala on Patiala – Dakala Road Patiala district, Punjab	68.42 km from WTP	
2	Bir Gurdialpura wildlife sanctuary	Tehsil Samana, Patiala district, Punjab	85.69 km from WTP	

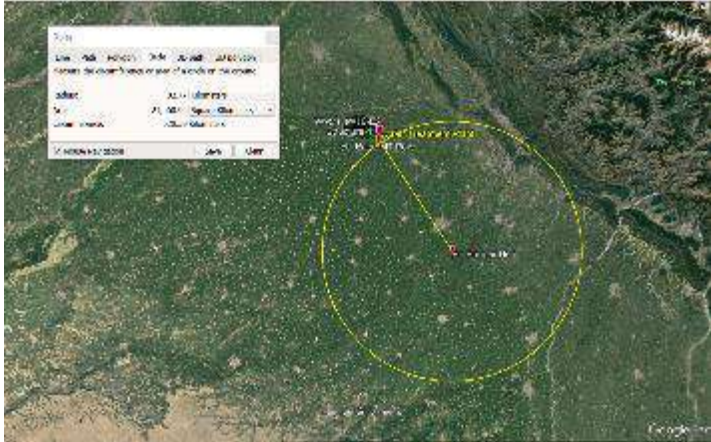
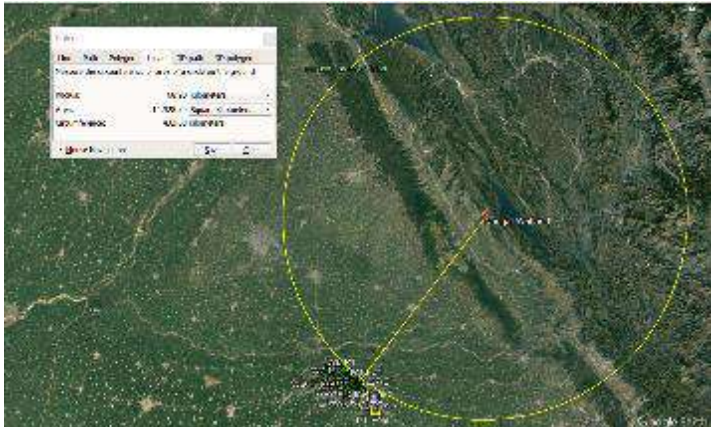
S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
3	Bir Dosanjh Wildlife Sanctuary	Tehsil Nabha on Nabha-Bhadson Road	39.84 km from WTP	
4	Bir Bhadson Wildlife Sanctuary	Left side of Bhadson-Gobindgarh Road, Patiala, Punjab	40.06 km from WTP	

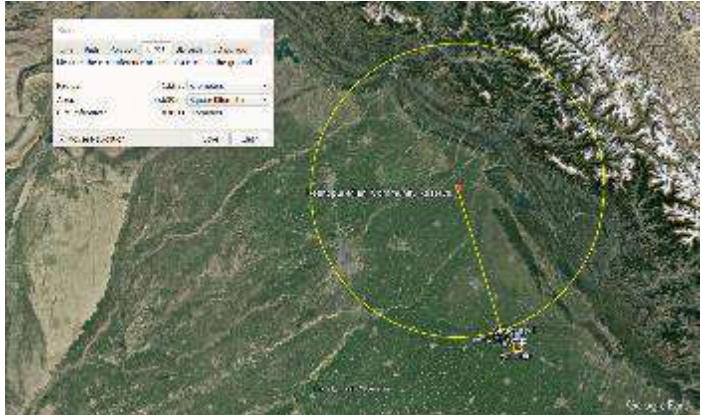
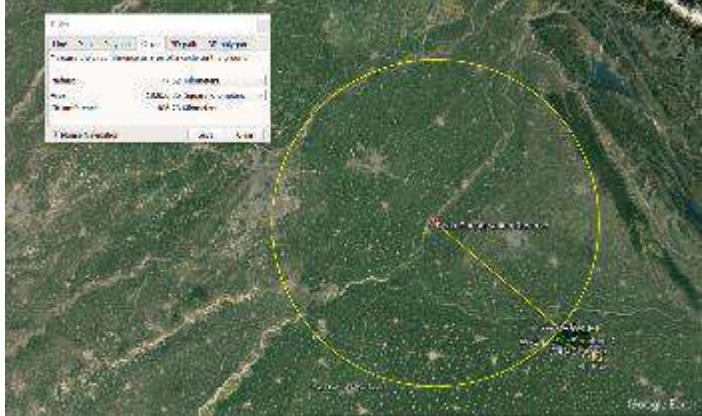
S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
5	Bir Mehas Wildlife Sanctuary	Nabha-Malerkotla Road, Patiala, Punjab	42.26 km from WTP	
6	Bir Aishwan Wildlife Sanctuary	3 Km from Sangrur on Sohian Road, Sangrur, Punjab	64.88 km from WTP	

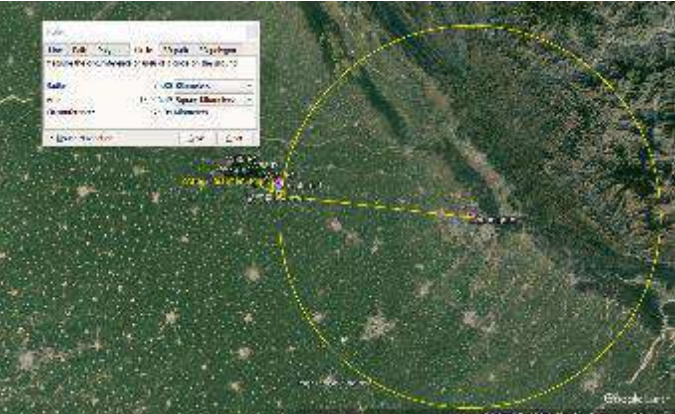
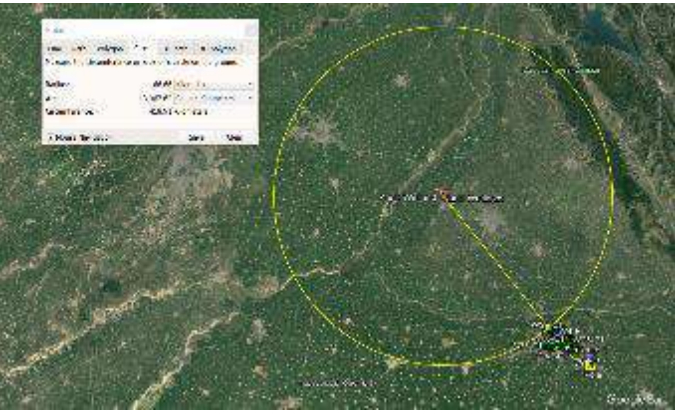
S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
7	Abohar Wildlife Sanctuary	Tehsil Abohar, 8 Km from Abohar City, Punjab	166.87 km from ESR location transmission line	 <p>A satellite view of a hilly region with a yellow dashed circle representing the sanctuary boundary. A red line connects a point on the circle to a point on a road, representing the distance from the ESR location. A Google Earth interface window is visible in the top-left corner of the image.</p>
8	Harike Wildlife Sanctuary	58 km. from Amritsar-Ferozepur Road, Ferozepur, Tarn Taran and Kapurthala, Punjab	84.48 km from ESR location	 <p>A satellite view of a flat, green region with a yellow dashed circle representing the sanctuary boundary. A red line connects a point on the circle to a point on a road, representing the distance from the ESR location. A Google Earth interface window is visible in the top-left corner of the image.</p>

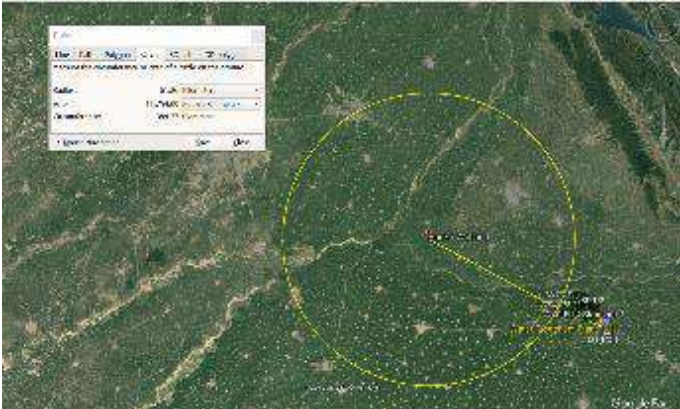
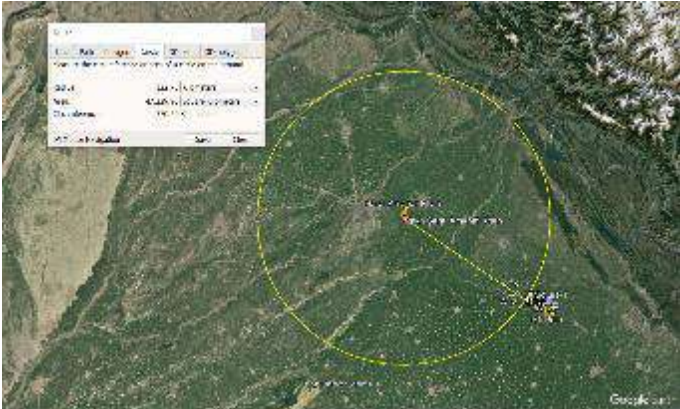
S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
9	Jhajjar-Bachauli Wildlife Sanctuary	3 Km. from Anandpur Sahib City, Ropar, Punjab	68.27 km from ESR location	
10	Takhni Rehmapur Wildlife Sanctuary	15 km. from Hoshiarpur on Hoshiarpur-Mehengrowal Road, Hoshiarpur, Punjab	79.47 km from ESR location	



S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
11	Kathlaur-Kushlian Wildlife Sanctuary	Kathlaur - Kushlian Protected Forest, Pathankot, Punjab	148.80 km from ESR location	
12	Nangal Wildlife Sanctuary	24 Km. from Anandpur Sahib City, Ropar, Punjab	69.36 km from ESR location	


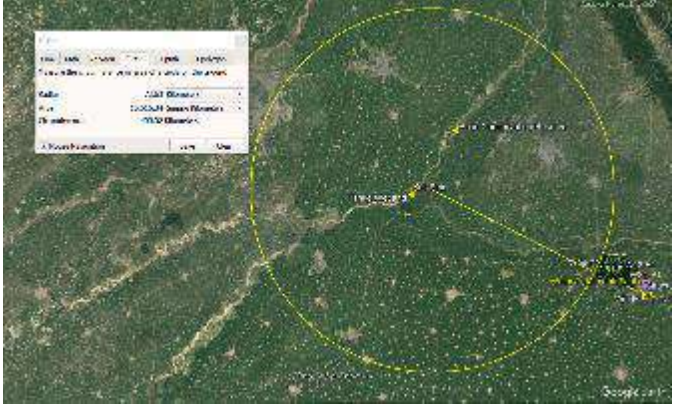
S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
13.	Bir Bhunerheri Wildlife Sanctuary	15 km. from Patiala on Patiala Devigarh road, Patiala, Punjab	82.77 km from WTP	
14.	Nangal Wetland	Nearest town/city is Nangal, District Ropar	68.90 km ESR location	

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
15.	Keshopur-Miani Community Reserve	Gurdaspur – Behrampur Road and Gurdaspur-Gahlari Road, Pathankot, Punjab	132.89 km from ESR location	
16.	Beas Conservation Reserve	52 Head Talwara to Harike Barrage, Punjab	77.52 km from ESR location	

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
17.	Ropar Wetland	45 Kms. in the North-West of Chandigarh	75.80 km from WTP	 <p>A satellite view of a green, hilly area. A yellow dashed circle is drawn around a central point. A yellow line extends from this center point to a cluster of buildings and roads. A small window is visible in the top-left corner of the map area.</p>
18.	Kanjali wetland	Sultanpur-Kapurthala Road at Kanjali, Punjab	66.66 km from ESR location	 <p>A satellite view of a green, hilly area. A yellow dashed circle is drawn around a central point. A yellow line extends from this center point to a road. A small window is visible in the top-left corner of the map area.</p>

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
19.	Harike Wetland	District Tarn Taran, Ferozepur & Kapurthala, Punjab	61.26 km from ESR location	
20.	Rakh Sarai Amanat Khan Conservation Reserve	30 Km. from Amritsar Town, Punjab	122.75 km from ESR location	

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
21.	Ropar Wetland Conservation Reserve	Ropar, Punjab	53.74 from WTP	
22.	Ranjit Sagar Dam Conservation Reserve	30 Km from Pathankot	169.32 km from ESR location	

S. No.	Name of Protected Zone	Location	Distance from nearest Project component	Distance mapped using Google Earth
23.	Beas River Conservation Reserve	52 Head Talwara to Harike Barrage, Punjab	169.32 km from ESR location	 <p>A satellite view of a river valley. A yellow dashed circle is drawn around a central point. A yellow line with arrows at both ends extends from this center point towards the top of the image. A small white information box is visible in the upper left corner of the map area.</p>
24.	Kali Bein Conservation Reserve	Subhanpur-Kapurthala-Sultanpur Road approx. 6 Km. from District Headquarter Kapurthala	72.63 km from ESR location	 <p>A satellite view of a green, agricultural landscape. A large yellow dashed circle is drawn around a central point. A yellow line with arrows at both ends extends from this center point towards the right side of the image. A small white information box is visible in the upper left corner of the map area.</p>

Annexure 19: Biodiversity Study for Ludhiana

1. Introduction

The baseline study for the existing ecological environment was conducted on September 30, 2022, and from December 21 to December 22, 2022, in a phased and constructive manner. The successive phases of the assessment included: (i) secondary data collection through the review of available literature, (ii) on-site data collection to determine vegetation and wildlife in the study area, and (iii) a reconnaissance survey. For secondary data collection, an extensive review of available published literature (books, authenticated websites, scientific papers, articles, etc.) was conducted. The secondary data were appropriately supplemented by a field survey for primary data collection. The survey was conducted during the preliminary site visit to analyze the different types of vegetation, forest types, and flora and fauna species available at the sites.

- Habitat Survey: Different habitats identified during the desktop review were surveyed. Data regarding the type and quality of habitat with reference to the flora and fauna supported were collected.
- Flora Survey: Major floral species in different types of habitats were visually identified using published manuals and recorded during the site survey.
- Fauna Survey: Faunal species from the study areas were recorded based on direct sightings, indirect evidence such as dung, droppings, scats, scratch signs, burrows, nests, etc.

2. Objectives of Ecology Study

The study was undertaken to understand the ecological status of the surrounding area. The primary objectives of conducting ecological studies are as follows:

- Review of secondary literature available from sources such as the Botanical Survey of India and the Forest Department to determine historical trends.
- Assessment of the nature and distribution of vegetation in the area.
- Identification of the types of forests in the study area.
- Preparation of a checklist of flora, including the listing of trees, shrubs, climbers, herbs, and other species existing in the study area.
- Identification of rare and endangered species in the project area.
- Determination of ecologically sensitive areas, such as national parks or wildlife sanctuaries.
- Generation of primary data to understand the baseline ecological status of floral elements and sensitive habitats.

3. Ludhiana Forest Division

The Ludhiana Forest Division encompasses the civil district of Ludhiana. It comprises seven civil subdivisions, namely Ludhiana (West), Ludhiana (East), Samrala, Khanna, Jagraon, Payal, and Raikot. Geographically, it is situated in the center of the state. The northern boundary is marked by the Jalandhar Forest Division, while the Sangrur Forest Division lies to the southwest. To the west are the Ferozepur and Faridkot Forest Divisions. The division includes five territorial ranges: Ludhiana, Doraha, Mattewara, Samrala, and Jagraon. Details of the forest are provided in Table 1.

The Ludhiana Forest Division has the following forest areas:

- Strip Forests located along railways, roads, canals, drains, and bundhs.
- Block Forests within the division.
- Other government areas that are under the control of the Forest Department as unclassified forests.

Table 2: Types of Forest Area in Ludhiana

S. No	Category of Area	Ownership	Area in ha.
Block Forests			
1	Reserve Forests	Government of Punjab	79.72
2	Protected Forest	Government of Punjab	1461.48
3	Protected Forest	GOI (PF, Laddowal)	88.90
4	Unclassed Forest	Government of Punjab	1944.33
Total Block Forests			3574.43
Strip Forests			
5	Road Strips	Government of Punjab	1312.17
6	Railway Strips	Government of India	421.945
7	Canal Strips	Government of Punjab	2557.887
8	Dhussi Bunds	Government of Punjab	918.95
Total Strip Forests			5210.952
Total Forest Area			8785.382

Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26)

Distribution of Forest Types: Distribution of Forest Types: The Block and Strip Forest areas of the division have been brought under scientific management through working plans. Efforts were made to replace inferior species with economically valuable tree species to meet the demands of the region. The majority of the forest areas consist of plantations. The vegetation is classified as 5B/C2, Northern Dry Mixed Deciduous Forest, according to the classification of forest types in India by Champion and Seth. These areas predominantly feature varying ages of Shisham, Kikar, Eucalyptus, and Mulberry trees. Natural regeneration is limited to small pockets where forests have been closed for specific reasons. The forest area constitutes only 1.9% of the total geographical area of the division.

4. Flora Diversity

Methodology for Sampling and Analysis

The field surveys involved the preparation of an inventory of different species of plants, including trees, shrubs, and herbs, in the plant community of the area. All plant species were correctly identified with the assistance of expert taxonomists and literature published by the Botanical Survey of India (BSI). The documentation of the plant communities was carried out by walking through the study area and making visual observations.

The vegetation or plant communities of the proposed area were analyzed by taking the following precautions and considering the environmental variables while making observations:

- Disturbance due to human utilization and livestock.
- General as well as specific photographs of the plants were taken.
- Care was taken to ensure that every aspect was covered during the field survey and no species was left unidentified from the study area.
- Efforts were made to observe wild plants, weeds, specimens from crop fields, wastelands, roadsides, etc.
- Rare, endangered, edible, poisonous, and economically important plants (if any) were noted.

Taxonomic Diversity

I. Trees

According to the primary and secondary survey, a total of seventy-seven (77) tree species belonging to 35 families were found in the Ludhiana Forest Division. Details of tree species is given in Table 2. Fabaceae, Meliaceae and Moraceae were found to be the dominant families having 23, 7 and 5 species respectively (Figure 1).

Table 2 Forest Division

S. No	Scientific name	Common Name	Family	IUCN Status
1	<i>Acacia auriculiformis</i>	Australian Kikar	Fabaceae	LC
2	<i>Acacia catechu</i>	Khair	Fabaceae	LC
3	<i>Acacia modesta</i>	Phalahi	Fabaceae	-
4	<i>Acacia nilotica*</i>	Kikar	Fabaceae	-
5	<i>Aegle marmelos</i>	Bel	Rutaceae	NT
6	<i>Ailanthus excelsa</i>	Maharukh	Simaroubaceae	-
7	<i>Albizia lebbbeck</i>	Kala Siris	Fabaceae	LC
8	<i>Albizia procera</i>	Chitta siris	Fabaceae	LC
9	<i>Albizia richardiana</i>	Gogon siris	Fabaceae	-
10	<i>Alstonia scholaris</i>	Blackboard Tree	Apocynaceae	LC
11	<i>Anthocephalus cadamba</i>	Kadam	Rubiaceae	-
12	<i>Artocarpus heterophyllus</i>	Kathal	Moraceae	-
13	<i>Artocarpus lacucha</i>	Dhaeu	Moraceae	-
14	<i>Azadirachta indica*</i>	Neem	Meliaceae	LC
15	<i>Bauhinia variegata</i>	Kachnar	Fabaceae	LC
16	<i>Bombax ceiba</i>	Simbal	Malvaceae	LC
17	<i>Callistemon lanceolatus</i>	Bottlebrush	Myrtaceae	-
18	<i>Carica papaya</i>	Papaya	Caricaceae	DD
19	<i>Cassia fistula</i>	Amaltas	Fabaceae	LC
20	<i>Cassia grandis</i>	Horse Cassia	Fabaceae	LC
21	<i>Cassia javanica</i>	Pink shower	Fabaceae	LC
22	<i>Casuarina equisetifolia</i>	Casuarina	Casuarinaceae	LC
23	<i>Chukrasia tabularis</i>	Indian Mahogany	Meliaceae	LC
24	<i>Cinnamomum camphora</i>	Kapur	Lauraceae	LC
25	<i>Citrus aurantifolia</i>	Lemon	Rutaceae	-
26	<i>Citrus pseudolimon</i>	Galgal	Rutaceae	-

S. No	Scientific name	Common Name	Family	IUCN Status
27	<i>Citrus reticulata</i>	Narangi	Rutaceae	-
28	<i>Cordia dichotoma</i>	Lasura	Boraginaceae	LC
29	<i>Dalbergia latifolia</i>	Indian Rosewood	Fabaceae	VU
30	<i>Dalbergia sissoo</i>	Shisham	Fabaceae	LC
31	<i>Delonix regia</i>	Gulmohar	Fabaceae	LC
32	<i>Emblica officinalis</i>	Amla	Phyllanthaceae	LC
33	<i>Eriobotrya japonica</i>	Loquat	Rosaceae	-
34	<i>Eucalyptus globulus</i>	Eucalyptus	Myrtaceae	LC
35	<i>Ficus bengalensis</i>	Bohr	Moraceae	-
36	<i>Ficus religiosa</i> *	Pipal	Moraceae	LC
37	<i>Gmelina arborea</i>	Gamhar	Lamiaceae	LC
38	<i>Grevillea robusta</i>	Silver Oak	Proteaceae	LC
39	<i>Holoptelea integrifolia</i>	Rajain	Ulmaceae	-
40	<i>Jacaranda mimosifolia</i>	Jacaranda	Bignoniaceae	VU
41	<i>Kigelia africana</i>	Kigelia	Bignoniaceae	LC
42	<i>Lagerstroemia indica</i>	Lagerstromia	Lythraceae	LC
43	<i>Leucaena leucocephala</i>	Subabul	Fabaceae	-
44	<i>Mangifera indica</i> *	Amb	Anacardiaceae	DD
45	<i>Melia azedarach</i>	Drek, Bakain	Meliaceae	LC
46	<i>Melia dubia</i>	Malabar Neem	Meliaceae	-
47	<i>Millingtonia hortensis</i>	Akash Neem	Bignoniaceae	-
48	<i>Mimusops elengi</i>	Moulsri	Sapotaceae	LC
49	<i>Moringa oleifera</i>	Sohajna	Moringaceae	LC
50	<i>Morus alba</i>	White Mulberry	Moraceae	LC
51	<i>Neolamarckia cadamba</i>	Bur-flower Tree	Rubiaceae	-
52	<i>Phoenix sylvestris</i>	Khajoor	Arecaceae	-
53	<i>Pithecellobium dulce</i>	Jungle jalebi	Fabaceae	LC
54	<i>Polyalthia longifolia</i>	Ashok, Devdaru	Annonaceae	-
55	<i>Pongamia pinnata</i>	Sukhchain	Fabaceae	LC
56	<i>Populus deltoides</i>	Poplar	Salicaceae	LC
57	<i>Prosopis cineraria</i>	Jand, Khejri	Fabaceae	-
58	<i>Prosopis juliflora</i>	Mesquite	Fabaceae	-

S. No	Scientific name	Common Name	Family	IUCN Status
59	Psidium guajava	Guava	Myrtaceae	LC
60	Pterocarpus marsupium	Bijasal	Fabaceae	NT
61	Pittosporum acerifolium	Kanak Champa	Malvaceae	LC
62	Putranjiva roxburghii	Putranjiva	Putranjivaceae	LC
63	Salix alba	Willow	Salicaceae	LC
64	Sapindus mukorossi	Ritha	Sapindaceae	LC
65	Schleichera oleosa	Kusum	Sapindaceae	LC
66	Senna siamea	Kassod Tree	Fabaceae	LC
67	Spathodea campanulata	African Tulip Tree	Bignoniaceae	LC
68	Saraca asoca*	Ashoka	Fabaceae	VU
69	Tamarindus indica	Imli	Fabaceae	LC
70	Tectona grandis	Sagwan/ Teak	Lamiaceae	-
71	Terminalia arjuna	Arjun	Combretaceae	-
72	Terminalia bellirica	Bahera	Combretaceae	LC
73	Terminalia chebula	Harar	Combretaceae	LC
74	Toona ciliata	Toon	Meliaceae	LC
75	Juniperus virginiana	Red Cedar	Meliaceae	LC
76	Vachellia tortilis	Umbrella Thorn	Fabaceae	LC
77	Ziziphus jujuba	Beri	Rhamnaceae	LC

***Sighted during Site Visit by VSPL Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26)**
<https://www.iucnredlist.org/>

LC: Least Concern, VU: Vulnerable, NT: Near Threatened, DD: Data Deficient

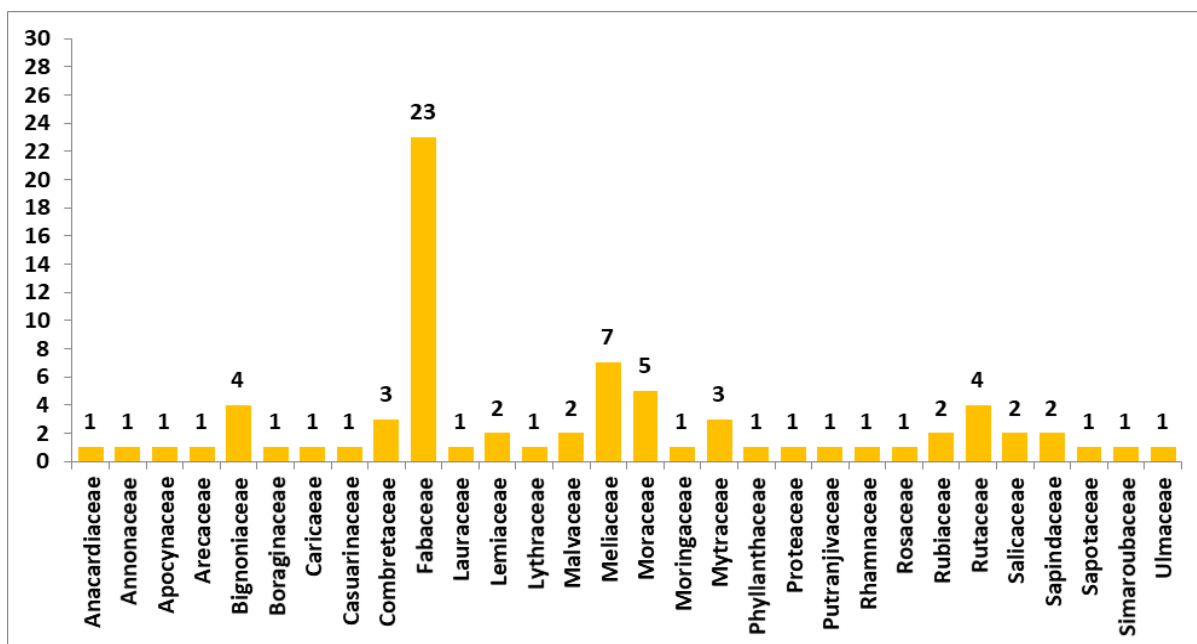


Figure 1: Family-wise distribution of Tree Species

II. Shrubs

The survey reveals the presence of fifteen (15) shrub species in the Ludhiana Forest Division, belonging to 13 families. Details of the shrub species are given in Table 3. The Asparagaceae and Apocynaceae families are found to be the most dominant, with two (2) species each (Figure 2).

Table 3: Shrub species found in Ludhiana Forest Division

S. No	Scientific name	Common Name	Family	IUCN Status
1	Agave americana	Keor, Kamal Cactus	Asparagaceae	LC
2	Bougainvillea spectabilis	Bougainvillea	Nyctoginaceae	LC
3	Cestrum nocturnum	Raat ki Raani	Solanaceae	LC
4	Duranta repens	Golden dewdrop	Verbenaceae	-
5	Gymnema sylvestre	Gurmar	Asclepiadaceae	-
6	Hamelia patens	Firebush	Rubiaceae	-
7	Hibiscus rosa-sinensis	Chinese Hibiscus	Malvaceae	-
8	Jatropha curcas	Jatropha	Euphorbiaceae	LC
9	Nerium oleander	Kaner	Apocynaceae	LC
10	Nyctanthes arbor-tristis	Harshringar	Oleaceae	LC
11	Ocimum tenuiflorum	Tulsi	Lamiaceae	-
12	Punica granatum	Anar	Lythraceae	LC
13	Senna surattensis	Glossy shower	Fabaceae	LC
14	Tabernaemontana divaricata	Chandini	Apocynaceae	LC

15	<i>Yucca aloifolia</i>	Aloe yucca	Asparagaceae	DD
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Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26) <https://www.iucnredlist.org/>

LC: Least Concern, DD: Data Deficient

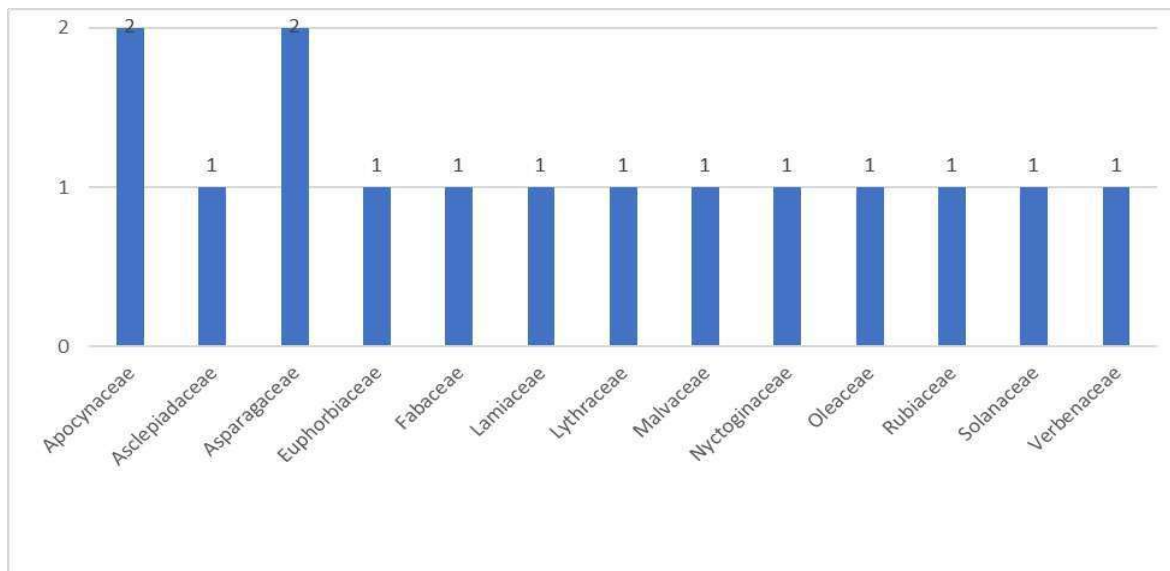


Figure 2: Family-wise distribution of Shrub Species

III. Herbs

A total of twelve (12) herbaceous species belonging to four (04) families have been reported in Ludhiana Forest Division. Details of Herb Species is given in Table 4 Family Poaceae with eight (8) species is the largest family found in the area (Figure 3)

Table 4: Herb species found in Ludhiana Forest Division

S. No	Scientific name	Common Name	Family	IUCN Status
1	<i>Ageratum conyzoides</i> *	Goat weed	Asteraceae	-
2	<i>Arundinaria falcata</i>	Nara	Poaceae	-
3	<i>Cenchrus ciliaris</i>	Anjan	Poaceae	LC
4	<i>Cynodon dactylon</i>	Khabbal	Poaceae	-
5	<i>Cyperus rotundus</i>	Nut grass	Cyperaceae	LC
6	<i>Dendrocalamus strictus</i>	Bamboo	Poaceae	-
7	<i>Desmostachya bipinnata</i>	Dab	Poaceae	LC
8	<i>Dichanthium annulatum</i>	Palwan, Marvell grass	Poaceae	-
9	<i>Elettaria cardamomum</i>	Cardamom	Zingiberaceae.	
10	<i>Heteropogon Contortus</i>	Sariala, Pili	Poaceae	-
11	<i>Parthenium hysterophorus</i> *	Congress grass	Asteraceae	-
12	<i>Saccharum spontaneum</i>	Kahi	Poaceae	LC

Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26) <https://www.iucnredlist.org/>

LC: Least Concern

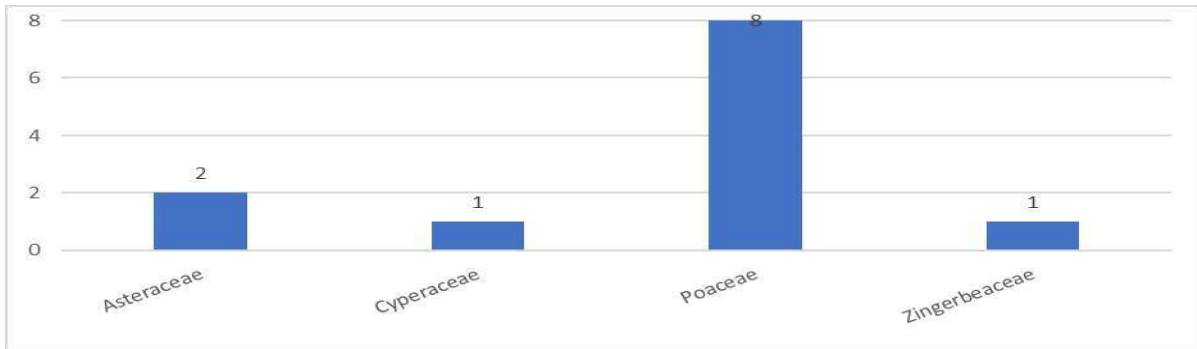


Figure 3 Family-wise distribution of Herb Species

The habit-wise distribution of floral species is presented in Figure 4 and family-wise distribution of floral species is presented in Figure 5

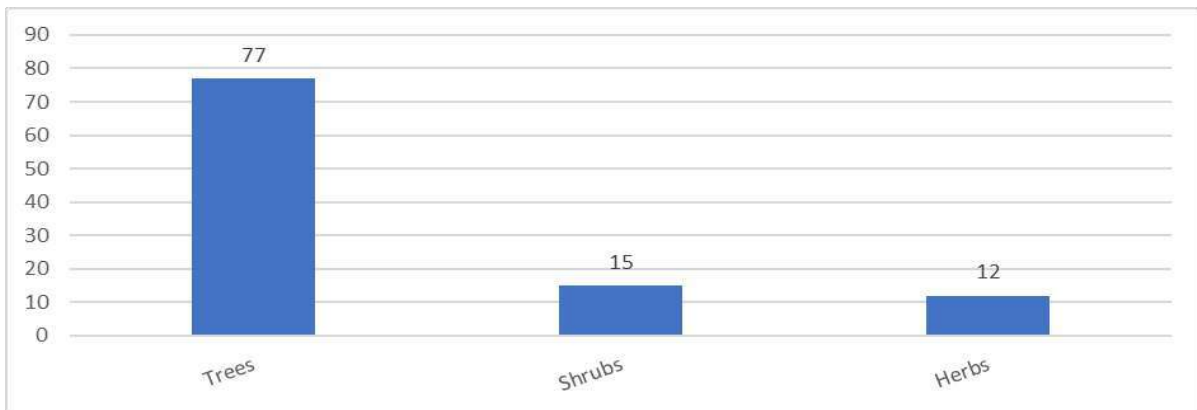


Figure 4: Habit-wise distribution of Floral Species

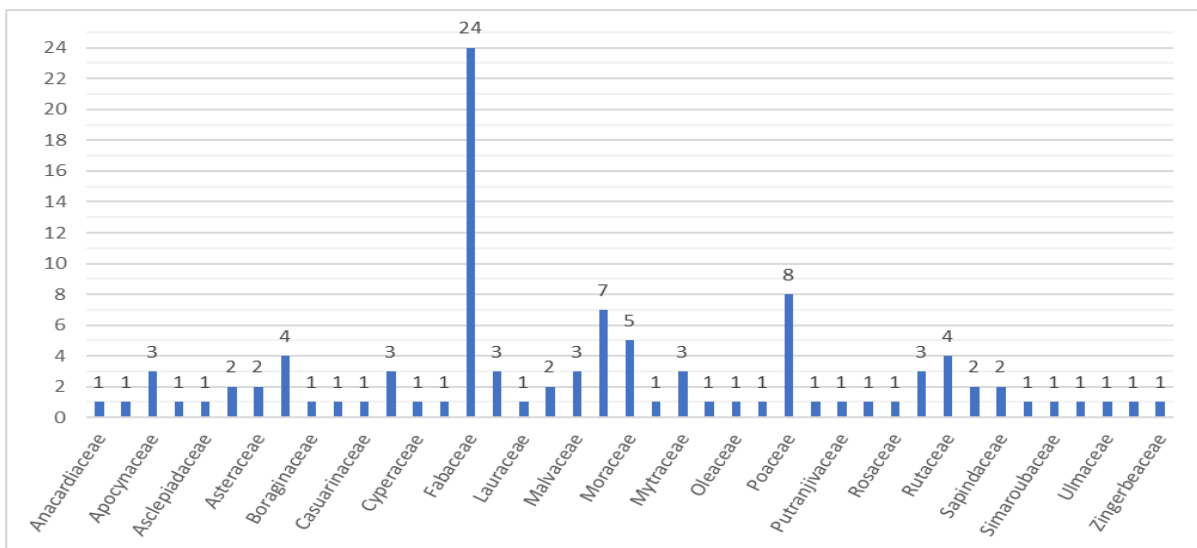


Figure 5 Family-wise distribution of Floral Species

The Photographs of flora are given in Figure 6



Figure 6: Photographs of Flora

5. Fauna Diversity

I. Mammals

The list of faunal species found in the study area has been compiled with the assistance of secondary sources, such as Forest Working Plans available in the public domain. A total of 14 mammalian species were

recorded in the Ludhiana Forest Division, out of which one species, *Herpestes edwardsii*, was sighted during the site visit. The mammalian species found in the Ludhiana Forest Division are tabulated in Table 5.

Table 5: Mammalian species found in Ludhiana Forest Division

S. No	Scientific name	Common Name	Family	IUCN Status	Wildlife Protection Act, 1972 Status
1	<i>Antelope cervicapra</i>	Black Buck	Bovidae	LC	Sch I (Part I)
2	<i>Athene brama</i>	Spotted Owlet	Strigidae	LC	-
3	<i>Boselaphus tragocamelus</i>	Blue Bull	Bovidae	LC	Sch III
4	<i>Canis aureus</i>	Jackal	Canidae	LC	Sch II (Part I)
5	<i>Canis lupus</i>	Wolf	Canidae	LC	Sch I (Part I)
6	<i>Felis chaus</i>	Jungle Cat	Felidae	LC	Sch II (Part I)
7	<i>Herpestes edwardsii</i>	Common Mongoose	Herpestidae	LC	Sch II (Part I)
8	<i>Herpestes auropunctatus</i>	Small India Mongoose	Herpestidae	LC	Sch II (Part I)
9	<i>Hystrix indica</i>	Indian crested porcupine	Hystricidae	LC	Sch IV
10	<i>Lepus nigricollis</i>	Indian Hare	Leporidae	LC	Sch IV
11	<i>Macaca mulatta</i>	Rhesus Monkey	Cercopithecidae	LC	Sch II (Part I)
12	<i>Ruse unicolor</i>	Sambar	Cervidae	VU	Sch III
13	<i>Sus scrofa</i>	Wild Boar	Suidae	LC	Sch III
14	<i>Vulpes bengalensis</i>	Indian fox	Canidae	LC	Sch II (Part I)

***Sighted during Site Visit by VSPL**

Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26)
http://wiienvis.nic.in/Database/ScheduleSpeciesDatabase_7969.aspx <https://www.iucnredlist.org/>

LC: Least Concern, VU: Vulnerable, EN: Endangered, NT: Near Threatened

II. Reptiles

A total of five (05) reptile species found in Ludhiana Forest Division were recorded from the secondary sources; list of which is provided in Table 6

Table 6: Reptilian species found in Ludhiana Forest Division

S. No	Scientific name	Common Name	Family	IUCN Status	Wildlife Protection Act, 1972 Status
1	<i>Naja naga</i>	Indian Cobra	Elapidae	LC	Sch II (Part II)

2	Python molurus	Indian Rock Python	Pythonidae	NT	Sch I (Part II)
3	Typhlops spp.	Blind snake	Typhlopidae	DD	-
4	Varanus bengalensis	Bengal monitor lizard	Varanidae	NT	Sch I (Part II)
5	Varanus flavescens	Yellow monitor	Varanidae	EN	Sch I (Part II)

Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26) http://wiienvis.nic.in/Database/ScheduleSpeciesDatabase_7969.aspx <https://www.iucnredlist.org/> LC: Least Concern, NT: Near Threatened, DD: Data Deficient

III. Avifauna

To prepare an inventory of the birds in the project influence area, bird species were recorded while walking back and forth in the study area. Birds were also identified using the Forest Working Plan of the Ludhiana Forest Division. A total of 55 bird species were reported in the Ludhiana Forest Division, and the list is provided in Table 7.

Table 7: Avifaunal species found in Ludhiana Forest Division

S. No	Scientific Name	Common Name	Family	IUCN Status	Wildlife Protection Act, 1972 Status
1	Accipiter badius*	Shikra	Accipitridae	LC	-
2	Acridotheres ginginianus*	Bank Myna	Sturnidae	LC	-
3	Acridotheres tristis*	Common Myna	Sturnidae	LC	-
4	Amaurornis phoenicurus	White-breasted Waterhen	Rallidae	LC	-
5	Anthus rufulus*	Paddyfield Pipit	Passeridae	LC	-
6	Ardeola grayii	Indian Pond Heron	Ardeidae	LC	Sch IV
7	Bubulcus ibis	Cattle Egret	Ardeidae	LC	Sch IV
8	Centropus sinensis	Greater Coucal	Centropodidae	LC	-
9	Cercomela fusca	Brown Rock Chat	Muscicapidae	LC	-
10	Columba livia*	Rock Pigeon	Columbidae	LC	-
11	Copsychus saularis	Oriental Magpie Robin	Muscicapidae	LC	-
12	Corvus splendens	House Crow	Corvidae	LC	Sch IV
13	Dendrocitta vagabunda	Rufous Treepie	Corvidae	LC	Sch IV
14	Dicrurus macrocercus*	Black Drongo	Dicruridae	LC	Sch IV
15	Dinopium benghalense	Black-rumped Flameback	Picidae	LC	-

S. No	Scientific Name	Common Name	Family	IUCN Status	Wildlife Protection Act, 1972 Status
16	<i>Elanus caeruleus</i>	Black-shouldered Kite	Accipitridae	LC	-
17	<i>Eudynamys scolopacea</i>	Asian Koel	Cuculidae	LC	-
18	<i>Francolinus pondicerianus</i>	Grey Francolin	Phasianidae	LC	-
19	<i>Gracupica contra</i>	Asian Pied Starling	Sturnidae	LC	-
20	<i>Halcyon smyrnensis</i>	White-throated Kingfisher	Halcyonidae	LC	Sch IV
21	<i>Himantopus himantopus</i>	Black-winged Stilt	Charadriidae	LC	Sch IV
22	<i>Lanius schach</i>	Long-tailed Shrike	Laniidae	LC	-
23	<i>Lonchura malabarica</i> *	Indian Silverbill	Passeridae	LC	-
24	<i>Lonchura punctulata</i>	Scaly-breasted Munia	Passeridae	LC	-
25	<i>Luscinia svecica</i>	Bluethroat	Muscicapidae	LC	-
26	<i>Megalaima zeylanica</i>	Brown-headed Barbet	Megalamidae		Sch IV
27	<i>Melanoperdix niger</i>	Black Partridge	Phasianidae	VU	Sch IV
28	<i>Milvus migrans</i>	Black Kite	Accipitridae	LC	-
29	<i>Motacilla alba</i>	White Wagtail	Passeridae	LC	-
30	<i>Motacilla cinerea</i>	Grey Wagtail	Passeridae	LC	-
31	<i>Motacilla maderaspatensis</i> *	White-browed Wagtail	Passeridae	LC	-
32	<i>Nectarinia asiatica</i>	Purple Sunbird	Nectariniidae	LC	-
33	<i>Ocyrceros birostris</i>	Indian Grey Hornbill	Bucerotidae	LC	-
34	<i>Orthotomus sutorius</i>	Common Tailorbird	Sylviidae	LC	-
35	<i>Passer domesticus</i>	House Sparrow	Passeridae	LC	-
36	<i>Pavo cristatus</i>	Peafowl	Phasianidae	LC	Sch I (Part III)
37	<i>Perdix perdix</i>	Grey Partridge	Phasianidae	LC	Sch IV
38	<i>Phoenicurus ochruros</i>	Black Redstart	Muscicapidae	LC	-
39	<i>Phylloscopus collybita</i>	Common Chiffchaff	Sylviidae	LC	-
40	<i>Prinia inornata</i>	Plain Prinia	Cisticolidae	LC	-
41	<i>Psittacula krameri</i> *	Rose-ringed Parakeet	Psittaciformes	LC	Sch IV
42	<i>Pycnonotus cafer</i>	Red-vented Bulbul	Pycnonotidae	LC	-
43	<i>Saxicola caprata</i>	Pied Bushchat	Muscicapidae	LC	-

S. No	Scientific Name	Common Name	Family	IUCN Status	Wildlife Protection Act, 1972 Status
44	Saxicola macrorhyncha*	Stoliczka's Bushchat	Muscicapidae	VU	-
45	Saxicoloides fulicata	Indian Robin	Muscicapidae	LC	-
46	Seicercus xanthoschistos	Grey hooded Warbler	Sylviidae	LC	-
47	Streptopelia decaocto	Eurasian Collared Dove	Columbidae	LC	Sch IV
48	Streptopelia senegalensis	Laughing Dove	Columbidae	LC	Sch IV
49	Sturnus pagodarum	Brahminy Starling	Sturnidae	LC	-
50	Sturnus vulgaris	Common Starling	Sturnidae	LC	-
51	Tringa ochropus	Green Sandpiper	Scolopacidae	LC	Sch IV
52	Turdoides malcolmi	Large Grey Babbler	Sylviidae	LC	-
53	Turdoides striata	Jungle Babbler	Sylviidae	LC	-
54	Upupa epops*	Common Hoopoe	Upupidae	LC	-
55	Vanellus indicus	Red-wattled Lapwing	Charadriidae	LC	-

***Sighted during Site Visit by VSPL**

Source: Working Plan, Ludhiana Forest Division (2016-17 to 2025-26)
http://wiienviis.nic.in/Database/ScheduleSpeciesDatabase_7969.aspx <https://www.iucnredlist.org/> **LC: Least Concern, VU: Vulnerable, EN: Endangered, NT: Near Threatened, CR: Critically Endangered**

The Photographs taken during fauna inventory are provided in figure 10.





Figure 10 Photographs of Fauna

IV. Rare Endangered, Threatened (RET) Status of Fauna

Fourteen (14) mammalian species have been reported in Ludhiana Forest Division. According to Wildlife Protection Act, 1972, two (02) species belong to Schedule I, six (06) species belong to Schedule II, three (02) species belong to Schedule III and two (02) species belong to Schedule IV. As per International Union for Conservation of Nature (IUCN) Red List, one (01) species is listed as Vulnerable (VU) and thirteen (13) species are listed as Least Concern.

Out of five (05) reptile species reported in Ludhiana Forest Division, three (03) species have been listed under Schedule I and one (01) species have been listed under Schedule II. As per International Union for Conservation of Nature (IUCN) Red List, one (02) species are classified as Near Threatened (NT), one (01) species are listed as Least Concern (LC) and one (01) species is listed as Endangered (EN).

Out of fifty-five avifaunal species reported in Ludhiana Forest Division, one (1) species is listed under Schedule I and fourteen (14) species are listed under Schedule IV. As per International Union for Conservation of Nature (IUCN) Red List, two (02) species are listed as Vulnerable (VU) and fifty-two (52) species are listed as Least Concern (LC).

6. Protected Habitats

No Ecological Sensitive location (National Park, Wildlife Sanctuaries, Biosphere reserves) is located within the 10 km radius of the proposed project.

Annexure 20: Ward wise demographic profile of Municipal Corporation of Ludhiana

Population

Ward No.	Number of Households	Total Population	Male population		Female population		Gender Ratio	Scheduled Castes Population
			Number	Percentage	Number	Percentage		
1	5269	25335	13861	54.71%	11474	45.29%	827.79	8023
2	6148	30010	16050	53.48%	13960	46.52%	869.78	1500
3	3559	16631	8928	53.68%	7703	46.32%	862.79	2753
4	3855	18953	10239	54.02%	8714	45.98%	851.06	6565
5	3470	17254	9201	53.33%	8053	46.67%	875.23	5103
6	4252	21533	11507	53.44%	10026	46.56%	871.30	3264
7	11433	58519	32698	55.88%	25821	44.12%	789.68	13455
8	9554	46142	24892	53.95%	21250	46.05%	853.69	4388
9	5410	25793	13773	53.40%	12020	46.60%	872.72	2679
10	3160	14092	7721	54.79%	6371	45.21%	825.15	515
11	4978	22000	11942	54.28%	10058	45.72%	842.24	3237
12	7746	35496	18933	53.34%	16563	46.66%	874.82	2450
13	4806	18740	11056	59.00%	7684	41.00%	695.01	1242
14	12917	47072	27719	58.89%	19353	41.11%	698.19	10493
15	5683	24602	13821	56.18%	10781	43.82%	780.04	2188
16	4711	17499	11088	63.36%	6411	36.64%	578.19	3695
17	2238	10353	5668	54.75%	4685	45.25%	826.57	3297
18	2507	12360	6468	52.33%	5892	47.67%	910.95	250
19	3267	16814	9094	54.09%	7720	45.91%	848.91	1164
20	2530	12057	6382	52.93%	5675	47.07%	889.22	581
21	3226	15619	8157	52.22%	7462	47.78%	914.80	2338

Ward No.	Number of Households	Total Population	Male population		Female population		Gender Ratio	Scheduled Castes Population
			Number	Percentage	Number	Percentage		
22	3445	16648	9246	55.54%	7402	44.46%	800.56	4083
23	2538	12541	6740	53.74%	5801	46.26%	860.68	394
24	3482	17458	9750	55.85%	7708	44.15%	790.56	5570
25	4599	22459	11966	53.28%	10493	46.72%	876.90	3405
26	6198	29228	15800	54.06%	13428	45.94%	849.87	4691
27	5661	27068	14047	51.90%	13021	48.10%	926.96	2167
28	5355	25478	13929	54.67%	11549	45.33%	829.13	4238
29	2737	13023	6797	52.19%	6226	47.81%	915.99	147
30	3829	19159	10175	53.11%	8984	46.89%	882.95	1676
31	7456	36338	19204	52.85%	17134	47.15%	892.21	2517
32	2592	12581	6655	52.90%	5926	47.10%	890.46	3024
33	3082	15339	8252	53.80%	7087	46.20%	858.82	1866
34	2356	11420	6068	53.13%	5352	46.87%	882.00	1967
35	2751	12528	6542	52.22%	5986	47.78%	915.01	830
36	1763	8441	4343	51.45%	4098	48.55%	943.59	862
37	2887	13804	7345	53.21%	6459	46.79%	879.37	339
38	2666	12446	6661	53.52%	5785	46.48%	868.49	438
39	3689	17434	9036	51.83%	8398	48.17%	929.39	1758
40	3121	15120	8030	53.11%	7090	46.89%	882.94	1064
41	3475	17055	9035	52.98%	8020	47.02%	887.66	471
42	3332	17238	9004	52.23%	8234	47.77%	914.48	6270
43	3472	18520	9891	53.41%	8629	46.59%	872.41	7113
44	2987	13624	7807	57.30%	5817	42.70%	745.10	1286
45	4055	18785	10462	55.69%	8323	44.31%	795.55	1697

Ward No.	Number of Households	Total Population	Male population		Female population		Gender Ratio	Scheduled Castes Population
			Number	Percentage	Number	Percentage		
46	4181	19767	10522	53.23%	9245	46.77%	878.64	3454
47	4397	22605	11805	52.22%	10800	47.78%	914.87	7745
48	3144	15526	8092	52.12%	7434	47.88%	918.69	1852
49	2108	10149	5321	52.43%	4828	47.57%	907.35	178
50	3689	18290	9459	51.72%	8831	48.28%	933.61	9114
51	2574	13091	6832	52.19%	6259	47.81%	916.13	3245
52	1389	6626	3492	52.70%	3134	47.30%	897.48	507
53	3490	17115	8943	52.25%	8172	47.75%	913.79	3050
54	2656	12910	6724	52.08%	6186	47.92%	919.99	1023
55	5257	24389	12790	52.44%	11599	47.56%	906.88	1815
56	3647	17076	8956	52.45%	8120	47.55%	906.65	2334
57	5998	27070	14197	52.45%	12873	47.55%	906.74	2881
58	6390	29596	15434	52.15%	14162	47.85%	917.58	3201
59	6470	29961	15688	52.36%	14273	47.64%	909.80	5783
60	8701	40452	21051	52.04%	19401	47.96%	921.62	4461
61	3678	17043	9165	53.78%	7878	46.22%	859.57	3135
62	6402	30357	16145	53.18%	14212	46.82%	880.27	4810
63	4415	21688	11642	53.68%	10046	46.32%	862.91	3182
64	9866	47633	25441	53.41%	22192	46.59%	872.29	7382
65	7065	34516	18459	53.48%	16057	46.52%	869.87	3529
66	5291	25653	13776	53.70%	11877	46.30%	862.15	1259
67	3725	17708	9715	54.86%	7993	45.14%	822.75	1879
68	2815	13646	7234	53.01%	6412	46.99%	886.37	347
69	3373	13890	7988	57.51%	5902	42.49%	738.86	1232

Ward No.	Number of Households	Total Population	Male population		Female population		Gender Ratio	Scheduled Castes Population
			Number	Percentage	Number	Percentage		
70	4993	23845	13622	57.13%	10223	42.87%	750.48	912
71	5275	23778	12901	54.26%	10877	45.74%	843.11	1514
72	5421	22153	12816	57.85%	9337	42.15%	728.54	3862
73	10646	49422	27033	54.70%	22389	45.30%	828.21	5079
74	6924	34025	18827	55.33%	15198	44.67%	807.24	4108
75	2106	8290	4855	58.56%	3435	41.44%	707.52	1828
TOTAL	344333	1618879	874908	0.540440638	743971	0.459559362	850.3419788	231754

Literacy and working profile

Ward No.	Literate Population		Literate Male Population		Literate Female Population		Working population		Male working Population		Female working Population	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
1	17221	67.97%	10013	72.24%	7208	62.82%	9443	37.27%	8010	57.79%	1433	12.49%
2	23892	79.61%	13153	81.95%	10739	76.93%	10534	35.10%	9005	56.11%	1529	10.95%
3	12871	77.39%	7150	80.09%	5721	74.27%	5552	33.38%	4806	53.83%	746	9.68%
4	14121	74.51%	7993	78.06%	6128	70.32%	6339	33.45%	5619	54.88%	720	8.26%
5	12965	75.14%	7295	79.28%	5670	70.41%	6296	36.49%	5160	56.08%	1136	14.11%
6	16465	76.46%	9082	78.93%	7383	73.64%	7257	33.70%	6293	54.69%	964	9.62%
7	38343	65.52%	22927	70.12%	15416	59.70%	19954	34.10%	16873	51.60%	3081	11.93%
8	32963	71.44%	18764	75.38%	14199	66.82%	15724	34.08%	13842	55.61%	1882	8.86%
9	20285	78.65%	11129	80.80%	9156	76.17%	9278	35.97%	7965	57.83%	1313	10.92%
10	12155	86.25%	6739	87.28%	5416	85.01%	4836	34.32%	4171	54.02%	665	10.44%
11	17305	78.66%	9655	80.85%	7650	76.06%	8241	37.46%	6667	55.83%	1574	15.65%

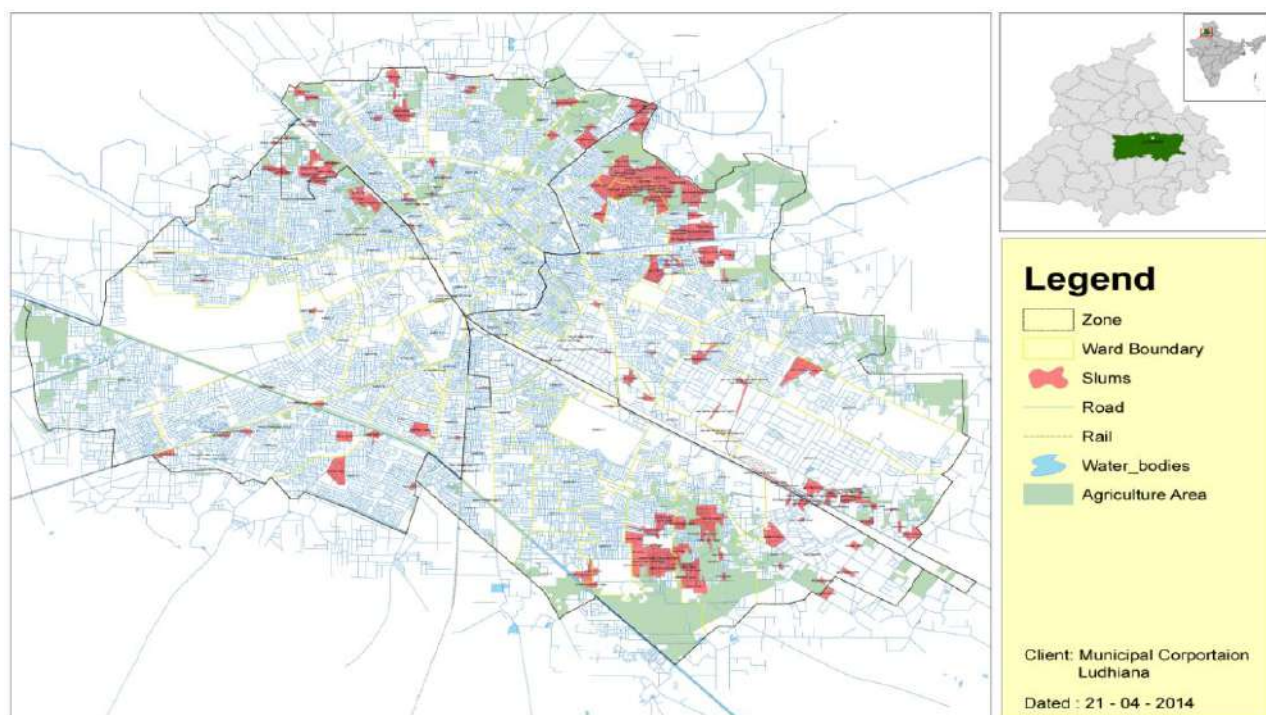
Ward No.	Literate Population		Literate Male Population		Literate Female Population		Working population		Male working Population		Female working Population	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
12	27969	78.79%	15476	81.74%	12493	75.43%	12669	35.69%	10377	54.81%	2292	13.84%
13	13149	70.17%	8146	73.68%	5003	65.11%	8645	46.13%	7246	65.54%	1399	18.21%
14	29405	62.47%	19365	69.86%	10040	51.88%	21667	46.03%	18195	65.64%	3472	17.94%
15	18036	73.31%	10662	77.14%	7374	68.40%	9111	37.03%	8036	58.14%	1075	9.97%
16	10534	60.20%	7560	68.18%	2974	46.39%	8143	46.53%	7598	68.52%	545	8.50%
17	5360	51.77%	3226	56.92%	2134	45.55%	3543	34.22%	3069	54.15%	474	10.12%
18	10446	84.51%	5538	85.62%	4908	83.30%	4508	36.47%	3779	58.43%	729	12.37%
19	13662	81.25%	7542	82.93%	6120	79.27%	5947	35.37%	5362	58.96%	585	7.58%
20	10261	85.10%	5467	85.66%	4794	84.48%	4366	36.21%	3730	58.45%	636	11.21%
21	12817	82.06%	6790	83.24%	6027	80.77%	5317	34.04%	4584	56.20%	733	9.82%
22	12767	76.69%	7346	79.45%	5421	73.24%	6307	37.88%	5575	60.30%	732	9.89%
23	9850	78.54%	5445	80.79%	4405	75.94%	4377	34.90%	3999	59.33%	378	6.52%
24	12154	69.62%	7161	73.45%	4993	64.78%	7118	40.77%	6037	61.92%	1081	14.02%
25	17904	79.72%	9783	81.76%	8121	77.39%	8208	36.55%	6955	58.12%	1253	11.94%
26	20959	71.71%	12056	76.30%	8903	66.30%	9852	33.71%	8643	54.70%	1209	9.00%
27	22664	83.73%	11958	85.13%	10706	82.22%	9317	34.42%	7632	54.33%	1685	12.94%
28	19061	74.81%	10524	75.55%	8537	73.92%	10011	39.29%	8251	59.24%	1760	15.24%
29	11378	87.37%	5945	87.47%	5433	87.26%	4984	38.27%	4042	59.47%	942	15.13%
30	15106	78.85%	8291	81.48%	6815	75.86%	6814	35.57%	5807	57.07%	1007	11.21%
31	29044	79.93%	15705	81.78%	13339	77.85%	12890	35.47%	10758	56.02%	2132	12.44%
32	9443	75.06%	5136	77.18%	4307	72.68%	4460	35.45%	3723	55.94%	737	12.44%
33	12228	79.72%	6699	81.18%	5529	78.02%	5674	36.99%	4979	60.34%	695	9.81%
34	8151	71.37%	4501	74.18%	3650	68.20%	4335	37.96%	3569	58.82%	766	14.31%

Ward No.	Literate Population		Literate Male Population		Literate Female Population		Working population		Male working Population		Female working Population	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
35	10515	83.93%	5568	85.11%	4947	82.64%	4940	39.43%	3935	60.15%	1005	16.79%
36	7027	83.25%	3707	85.36%	3320	81.02%	3154	37.37%	2648	60.97%	506	12.35%
37	12120	87.80%	6499	88.48%	5621	87.03%	4902	35.51%	4182	56.94%	720	11.15%
38	10305	82.80%	5604	84.13%	4701	81.26%	4390	35.27%	3906	58.64%	484	8.37%
39	14616	83.84%	7647	84.63%	6969	82.98%	6807	39.04%	5220	57.77%	1587	18.90%
40	12307	81.40%	6684	83.24%	5623	79.31%	5634	37.26%	4787	59.61%	847	11.95%
41	14388	84.36%	7744	85.71%	6644	82.84%	6202	36.36%	5410	59.88%	792	9.88%
42	11849	68.74%	6550	72.75%	5299	64.36%	6689	38.80%	5203	57.79%	1486	18.05%
43	12289	66.36%	7001	70.78%	5288	61.28%	6547	35.35%	5407	54.67%	1140	13.21%
44	10099	74.13%	5940	76.09%	4159	71.50%	5666	41.59%	5047	64.65%	619	10.64%
45	14333	76.30%	8169	78.08%	6164	74.06%	7292	38.82%	6490	62.03%	802	9.64%
46	15577	78.80%	8496	80.75%	7081	76.59%	6947	35.14%	6064	57.63%	883	9.55%
47	14520	64.23%	7822	66.26%	6698	62.02%	8074	35.72%	6445	54.60%	1629	15.08%
48	11732	75.56%	6181	76.38%	5551	74.67%	5557	35.79%	4388	54.23%	1169	15.73%
49	8713	85.85%	4562	85.74%	4151	85.98%	3658	36.04%	2953	55.50%	705	14.60%
50	14073	76.94%	7543	79.74%	6530	73.94%	6182	33.80%	5252	55.52%	930	10.53%
51	10796	82.47%	5702	83.46%	5094	81.39%	4738	36.19%	3763	55.08%	975	15.58%
52	5541	83.63%	2928	83.85%	2613	83.38%	2479	37.41%	2102	60.19%	377	12.03%
53	13604	79.49%	7413	82.89%	6191	75.76%	6523	38.11%	5156	57.65%	1367	16.73%
54	11440	88.61%	5984	88.99%	5456	88.20%	4679	36.24%	3913	58.19%	766	12.38%
55	19363	79.39%	10475	81.90%	8888	76.63%	8780	36.00%	7042	55.06%	1738	14.98%
56	13955	81.72%	7589	84.74%	6366	78.40%	6365	37.27%	5149	57.49%	1216	14.98%
57	21873	80.80%	11638	81.98%	10235	79.51%	10448	38.60%	7982	56.22%	2466	19.16%

Ward No.	Literate Population		Literate Male Population		Literate Female Population		Working population		Male working Population		Female working Population	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
58	24252	81.94%	12931	83.78%	11321	79.94%	11434	38.63%	8819	57.14%	2615	18.46%
59	22353	74.61%	12124	77.28%	10229	71.67%	12113	40.43%	8848	56.40%	3265	22.88%
60	33329	82.39%	17630	83.75%	15699	80.92%	14560	35.99%	11689	55.53%	2871	14.80%
61	13155	77.19%	7296	79.61%	5859	74.37%	6142	36.04%	5246	57.24%	896	11.37%
62	22984	75.71%	12706	78.70%	10278	72.32%	10247	33.75%	9032	55.94%	1215	8.55%
63	17147	79.06%	9391	80.66%	7756	77.20%	7647	35.26%	6878	59.08%	769	7.65%
64	35626	74.79%	19939	78.37%	15687	70.69%	16040	33.67%	14245	55.99%	1795	8.09%
65	27250	78.95%	14902	80.73%	12348	76.90%	12465	36.11%	10754	58.26%	1711	10.66%
66	20607	80.33%	11322	82.19%	9285	78.18%	9419	36.72%	7903	57.37%	1516	12.76%
67	13439	75.89%	7637	78.61%	5802	72.59%	6159	34.78%	5573	57.36%	586	7.33%
68	11333	83.05%	6190	85.57%	5143	80.21%	4902	35.92%	4298	59.41%	604	9.42%
69	10859	78.18%	6434	80.55%	4425	74.97%	5757	41.45%	5154	64.52%	603	10.22%
70	19274	80.83%	11367	83.45%	7907	77.35%	8389	35.18%	7564	55.53%	825	8.07%
71	18968	79.77%	10546	81.75%	8422	77.43%	8320	34.99%	7317	56.72%	1003	9.22%
72	14962	67.54%	9409	73.42%	5553	59.47%	8442	38.11%	7596	59.27%	846	9.06%
73	35354	71.53%	20989	77.64%	14365	64.16%	16440	33.26%	14241	52.68%	2199	9.82%
74	22791	66.98%	14048	74.62%	8743	57.53%	11678	34.32%	10213	54.25%	1465	9.64%
75	4893	59.02%	3178	65.46%	1715	49.93%	3176	38.31%	2879	59.30%	297	8.65%
TOTAL	1230545	76.01%	689707	78.83%	540838	72.70%	591700	36.55%	501050	57.27%	90650	12.18%

Annexure 21: Slums in Ludhiana

The Map below shows the Boundary Map of Slums, Ludhiana.⁴



Locations of the Slums are:

S. No	Ward No	Name	S. No	Ward No.	Name
1.	1	Bazigar Dera	2.	27	Bhagwati Vihar
3.	7	Bharti Colony	4.	28	Hamvara road jhuggi (Opp Ram Darbar mandir)
5.	1	Deep Vihar	6.	30	Upkar Nagar Jhuggi
7.	1	Fawda Bend	8.	31	Bajwa Colony and Jhuggi
9.	1	Golden Vihar	10.	31	Jawan Vihar
11.	1	New Aman Nagar ext	12.	31	Nidan Singh Nagar
13.	3	Nanda Colony	14.	31	Pritam Nagar
15.	3	Yashpal Colony	16.	32	New Valmiki Nagar
17.	4	Baldev Nagar	18.	32	Shanti Nagar Jhuggi
19.	4	Kailash Nagar	20.	36	Jasal House (Jargon Bridge)
21.	4	Krishna Colony	22.	43	Islam Ganj Jhuggi
23.	4	Vardhman Nagar	24.	45	New Kartar Nagar
25.	4	Gujjar Colony	26.	45	Preet Nagar
27.	5	Jai Singh Nagar	28.	46	Fauzi Mohalla
29.	6	Mayapuri	30.	46	Kabir Basti Jhuggi
31.	6	Nalwa Colony	32.	47	Ambedkar Nagar
33.	6	Nalwa Colony Jhuggi basti	34.	48	Abdulla Pura Jhuggi
35.	7	Baba Jivan Singh Nagar	36.	48	Yamuna Colony

⁴ <https://cureindia.org/assets/files/SFCPOA-Ludhiana.pdf>

S. No	Ward No	Name	S. No	Ward No.	Name
37.	7	Banda Bahadur Colony/ Ranjit Nagar	38.	52	Purani Kachehri Jhuggi
39.	7	Bharpoor Nagar	40.	52	Valmiki Basti p-1
41.	7	Bhola Colony	42.	52	Valmiki Basti p-2
43.	7	Charan Nagar	44.	53	New prem Nagar basti
45.	7	EWS Jhuggi basti	46.	55	Ambedkar Colony
47.	7	Gopal Nagar part 1	48.	55	Dairy complex p-1
49.	7	Grewal Colony	50.	55	Dairy complex p-2
51.	7	Heera Vihar	52.	60	Labor Colony
53.	7	Jagdish pura	54.	57	B R S Nagar jhuggi
55.	7	Jai Shakti Nagar	56.	58	Barewal awana
57.	7	Mahatma Enclave	58.	58	Fatahpur awana
59.	7	Manjit Nagar	60.	59	Bhagat Singh Nagar Jhuggi
61.	7	National Colony	62.	59	New Shyam Nagar P-1 and 2
63.	7	New Puneet Nagar	64.	59	Shyam Nagar
65.	7	New Vijay Nagar	66.	59	Valmiki Jhuggi Basti
67.	7	Preet Nagar	68.	60	Punjabi Bagh
69.	7	Prem Vihar	70.	62	Guru Gobind Singh Nagar
71.	7	Puneet Nagar	72.	62	Jhuggi Barota road near guru Gobind Singh Nagar
73.	7	Raju Colony + New Raju Colony	74.	62	Ishwar Nagar D-block
75.	7	Sanjay Gandhi Colony part I	76.	64	Shaheed Sukhdev Nagar
77.	7	Sanjay Gandhi JJ Cluster Part-II	78.	67	Chet Singh Nagar jhuggi dana mandi Jhuggi
79.	7	Sanjay Gandhi JJ Cluster Part-III	80.	67	jhuggi basti near Sidhwa canal
81.	7	Shiv Shanker Nagar	82.	69	Samshantghat Jhuggi
83.	7	Star City	84.	71	Millitary Camp
85.	7	Sukhdev Nagar	86.	72	Gaspur Khal
87.	7	Swatantra Nagar	88.	73	Adarsh Nagar
89.	7	Vijay Nagar	90.	73	Ajit Nagar
91.	7	Zuneja Colony	92.	73	Gagan Nagar
93.	7	Bihari Colony	94.	73	Gill Colony
95.	8	Gopal Nagar p-2	96.	73	Gurmail Nagar
97.	8	Karamsar Colony part	98.	73	Guru Nanak Nagar
99.	8	New Subhash Nagar	100.	73	Guru Vachan Colony
101.	8	New Zuneja Colony	102.	73	Gyan Chandra Naga
103.	8	Rishi Nagar	104.	73	New Ram Nagar
105.	8	Simarjit Nagar	106.	73	Pakhar Colony
107.	10	Kuliya Bagh Jhuggi	108.	73	Shimlapuri Jhuggi
109.	13	jhuggi basti near Urban state near Singh Sabha gurudwara	110.	73	Sundar Nagar
111.	13	Jiwan Nagar	112.	74	Harpal Nagar

S. No	Ward No	Name	S. No	Ward No.	Name
113.	13	Jiwan Nagar jhuggi	114.	74	Jaspal Nagar
115.	14	Balla Colony	116.	74	Keshav Nagar
117.	14	Chhoti dhandari Basti	118.	74	Kunti Nagar
119.	14	Chhoti dhandari khurd jhuggi P-1 and P-2	120.	74	Maha Laxmi Nagar
121.	14	Deep Colony	122.	74	Mahadev Nagar
123.	14	Durga Colony - Vehda	124.	74	Mahendra Nagar
125.	14	Garcha Colony	126.	74	New Mahadev Nagar
127.	14	Gupta Colony	128.	74	Prem Nagar
129.	14	Haati Colony	130.	74	Samrat Colony
131.	14	Indra Nagar Jhuggi	132.	74	SeatGuru Nagar
133.	14	Ishwar Colony - Vehda	134.	74	Shiv Mandir Colony
135.	14	Jagdish Colony	136.	74	Surjit Nagar
137.	14	Jhuggi Basti near Murgi Farm	138.	75	Bhoot Colony
139.	14	Jhuggi Basti near Vishwanath mandir	140.	75	Bihari Colony
141.	14	Nagendra Colony	142.	75	Chambal Ghati Basti
143.	14	New Durga Colony	144.	75	Kaka Colony
145.	14	Pal Colony	146.	75	Kangalwal Colony
147.	14	Prem Nagar	148.	75	Logval Colony
149.	14	prem Nagar Jhuggi	150.	75	Madhav Nagar
151.	14	Rajiv Gandhi jhuggi (near B.C.M School)	152.	75	Makkar Colony
153.	14	Rajiv Gandhi jhuggi (k.w. Road)	154.	75	Mata dudh Karshi Colony
155.	14	Rajiv Gandhi Colony Jhuggi	156.	75	Ravi das veda
157.	14	Shiv Colony	158.	75	Sabi mandi Vedas
159.	14	Vishakha Colony	160.	26	Swati Nagar
161.	14	vishwakarma Colony	162.	26	Amar Vihar jhuggi
163.	14	Vishwakarma Jhuggi	164.	26	Guru Naam Nagar
165.	15	Luvkush Colony	166.	26	Jashiya Road Jhuggi
167.	15	Moti Nagar	168.	26	Jwala Singh Nagar
169.	16	Jhuggi Basti near B-4 Zone office	170.	26	Rajouri Garden
171.	16	Rajiv Gandhi jhuggi p-3 and 4	172.	26	Sunil Nagar/Surendra Park
173.	16	Ranjit Nagar	174.	17	Plot No-241 jhuggi
175.	17	Bihari Colony	176.	17	Shiv Colony
177.	17	Hari Krishna Colony	178.	24	Suraj Nursery Jhuggi
179.	17	Jhuggi Basti near valmiki quarters			

Annexure 22: Species and Girth-wise Tree and Pole Details

ਵਿਸ਼ਾ-ਸਿਧਵਾ ਕਨਾਲ ਤੋਂ 1- R Distributary upto 1-L minor junction ਤੱਕ ਛੋਟੇ ਅਤੇ ਵੱਡੇ ਦਰਖਤਾਂ ਦੀ ਗਿਣਤੀ ਕਰਨ ਸਬੰਧੀ ।					
Sl. No.	Sr. no.	Location	Plant Name	Scientific Name of Tree	Grith (cm)
ਸਿਧਵਾ ਕਨਾਲ ਗੁਰੂਦੁਆਰਾ ਸਾਹਿਬ ਤੋਂ Along 1-R Distributary upto 1-L minor junction					
1	1		ਕਿੱਕਰ	Acacia Sp.	142cm
2	2		ਸੁਖ ਚੈਨ	Pongamia pinnata	40 cm
3	2/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	48 cm
4	2/ਬੀ		ਸੁਖ ਚੈਨ	Pongamia pinnata	74 cm
5	3		ਸੁਖ ਚੈਨ	Pongamia pinnata	53 cm
6	3/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	43 cm
7	3/ਬੀ		ਸੁਖ ਚੈਨ	Pongamia pinnata	35 cm
8	3/ਸੀ		ਸੁਖ ਚੈਨ	Pongamia pinnata	34 cm
9	3/ਡੀ		ਸੁਖ ਚੈਨ	Pongamia pinnata	36 cm
10	4		ਸੁਖ ਚੈਨ	Pongamia pinnata	47 cm
11	5		ਸੁਖ ਚੈਨ	Pongamia pinnata	52 cm
12	5/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	55 cm
13	6		ਸੁਖ ਚੈਨ	Pongamia pinnata	41 cm
14	7		ਟਾਹਲੀ	Dalbergia sissoo	42 cm
15	7/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	69 cm
16	8		ਤੂਤ	Morus sp.	96 cm
17	9		ਟਾਹਲੀ	Dalbergia sissoo	90 cm
18	9/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	80 cm
19	10		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	75 cm
20	11		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	65 cm
21	12		ਟਾਹਲੀ	Dalbergia sissoo	54 cm
22	12/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	86 cm
23	13		ਖੈਰ	Senegalia catechu	70 cm
24	14		ਟਾਹਲੀ	Dalbergia sissoo	96 cm
25	15		ਆਸਟਰੇਲੀਅਨ ਕਿੱਕਰ	Acacia pycnantha	46 cm
26	16		ਆਸਟਰੇਲੀਅਨ ਕਿੱਕਰ (ਸੁੱਕਾ)	Acacia pycnantha (Dead)	39 cm
27	17		ਆਸਟਰੇਲੀਅਨ ਕਿੱਕਰ	Acacia pycnantha	48 cm
28	18		ਸੁਖ ਚੈਨ	Pongamia pinnata	94 cm
29	18/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	131 cm
30	19		ਸੁਖ ਚੈਨ	Pongamia pinnata	98 cm
31	20		ਸੁਖ ਚੈਨ	Pongamia pinnata	78 cm
32	21		ਤੂਤ	Morus sp.	52 cm
33	22		ਤੂਤ	Morus sp.	35 cm
34	23		ਧਰੋਕ	Melia azedarach	45 cm
35	24		ਤੂਤ	Morus sp.	46 cm
36	25		ਆਸਟਰੇਲੀਅਨ ਕਿੱਕਰ	Acacia pycnantha	45 cm
37	26		ਸੁਖ ਚੈਨ	Pongamia pinnata	68 cm
38	27		ਸੁਖ ਚੈਨ	Pongamia pinnata	46 cm
39	28		ਅਮਲਤਾਸ	Cassia fistula	45 cm
40	29		ਧਰੋਕ	Melia azedarach	33 cm
41	30		ਸੁਖ ਚੈਨ	Pongamia pinnata	101 cm
42	31		ਸੁਖ ਚੈਨ	Pongamia pinnata	145 cm
43	31/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	59 cm
44	32		ਟਾਹਲੀ	Dalbergia sissoo	30 cm
45	33		ਟਾਹਲੀ	Dalbergia sissoo	30 cm
46	34		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	37 cm
47	35		ਕਿੱਕਰ	Acacia Sp.	92 cm
48	35/ਏ		ਕਿੱਕਰ	Acacia Sp.	90 cm
49	36		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	52 cm
50	36/ਏ		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	80 cm
51	37		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	92 cm

52	38		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	122 cm
53	39		ਟਾਹਲੀ (ਸੁੱਕਾ)	Dalbergia sissoo (Dead)	154 cm
54	40		ਧਰੋਕ	Melia azedarach	36 cm
55	41		ਧਰੋਕ	Melia azedarach	35 cm
56	42		ਧਰੋਕ	Melia azedarach	40 cm
57	42/ਏ		ਧਰੋਕ	Melia azedarach	39 cm
58	43		ਸੁਖ ਚੈਨ	Pongamia pinnata	31 cm
59	43/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	48 cm
60	44		ਢੱਕ	Butea monosperma	48 cm
61	44/ਏ		ਢੱਕ	Butea monosperma	59 cm
62	45		ਢੱਕ	Butea monosperma	38 cm
63	46		ਢੱਕ	Butea monosperma	33 cm
64	47		ਢੱਕ	Butea monosperma	43 cm
65	48		ਢੱਕ	Butea monosperma	66 cm
66	49		ਤੂਤ	Morus sp.	65 cm
67	50		ਢੱਕ	Butea monosperma	44 cm
68	51		ਢੱਕ	Butea monosperma	53 cm
69	52		ਢੱਕ	Butea monosperma	64 cm
70	53		ਢੱਕ	Butea monosperma	66 cm
71	54		ਢੱਕ	Butea monosperma	54 cm
72	55		ਤੂਤ	Morus sp.	55 cm
73	56		ਢੱਕ	Butea monosperma	77 cm
74	57		ਢੱਕ	Butea monosperma	112 cm
75	58		ਸੁਖ ਚੈਨ	Pongamia pinnata	40 cm
76	59		ਟਾਹਲੀ	Dalbergia sissoo	53 cm
77	60		ਢੱਕ	Butea monosperma	62 cm
78	61		ਢੱਕ	Butea monosperma	82 cm
79	62		ਸੁਖ ਚੈਨ	Pongamia pinnata	39 cm
80	63		ਢੱਕ	Butea monosperma	63 cm
81	64		ਸੁਖ ਚੈਨ	Pongamia pinnata	82 cm
82	64/ਏ		ਸੁਖ ਚੈਨ	Pongamia pinnata	56 cm
83	65		ਤੂਤ	Morus sp.	34 cm
84	66		ਢੱਕ	Butea monosperma	101 cm
85	67		ਢੱਕ	Butea monosperma	70 cm
86	68		ਅਦਰ	Other	160 cm
87	69		ਢੱਕ	Butea monosperma	48 cm
88	70		ਤੂਤ	Morus sp.	30 cm
ਅਜਨੇਦ ਤੇ ਰਾਜਗੜ ਪੁੱਲੀ					
89	71		ਢੱਕ	Butea monosperma	48 cm
90	72		ਲਸੁੜਾ	Cordia sp.	62 cm
91	73		ਲਸੁੜਾ	Cordia sp.	46 cm
92	74		ਲਸੁੜਾ	Cordia sp.	82 cm
93	75		ਬਾਲਮਖੀਰਾ	Kigelia sp.	97 cm
94	76		ਲਸੁੜਾ	Cordia sp.	108 cm
95	77		ਲਸੁੜਾ	Cordia sp.	107 cm
96	78		ਲਸੁੜਾ	Cordia sp.	73 cm
97	79		ਲਸੁੜਾ	Cordia sp.	70 cm
98	80		ਲਸੁੜਾ	Cordia sp.	67 cm
99	81		ਲਸੁੜਾ	Cordia sp.	103 cm
100	82		ਲਸੁੜਾ	Cordia sp.	81 cm
101	83		ਲਸੁੜਾ	Cordia sp.	100 cm
102	84		ਲਸੁੜਾ	Cordia sp.	109 cm
103	85		ਲਸੁੜਾ	Cordia sp.	73 cm
104	86		ਲਸੁੜਾ	Cordia sp.	80 cm
105	87		ਲਸੁੜਾ	Cordia sp.	85 cm
106	88		ਲਸੁੜਾ	Cordia sp.	80 cm
107	89		ਲਸੁੜਾ	Cordia sp.	54 cm
108	90		ਲਸੁੜਾ	Cordia sp.	100 cm
109	91		ਲਸੁੜਾ	Cordia sp.	81 cm
110	92		ਲਸੁੜਾ	Cordia sp.	80 cm
111	93		ਲਸੁੜਾ	Cordia sp.	84 cm
112	94		ਲਸੁੜਾ	Cordia sp.	81 cm

113	95		ਕਿੱਕਰ	Acacia Sp.	126 cm
114	96		ਟਾਹਲੀ	Dalbergia sissoo	42 cm
115	97		ਟਾਹਲੀ	Dalbergia sissoo	36 cm
116	98		ਸੁਖਚੈਨ	Pongamia pinnata	126 cm
117	99		ਬਾਲਮਖੀਰਾ	Kigelia sp.	88 cm
118	100		ਬਾਲਮਖੀਰਾ	Kigelia sp.	60 cm
119	101		ਲਮੁੜਾ	Cordia sp.	76 cm
120	102		ਕਿੱਕਰ	Acacia Sp.	120 cm
121	103		ਲਮੁੜਾ	Cordia sp.	63 cm
122	104		ਲਮੁੜਾ	Cordia sp.	96 cm
123	105		ਲਮੁੜਾ	Cordia sp.	88 cm
124	105/ਏ		ਲਮੁੜਾ	Cordia sp.	60 cm
125	106		ਲਮੁੜਾ	Cordia sp.	79 cm
126	107		ਲਮੁੜਾ	Cordia sp.	69 cm
127	108		ਬਾਲਮਖੀਰਾ	Kigelia sp.	70 cm
128	109		ਲਮੁੜਾ	Cordia sp.	71 cm
129	110		ਲਮੁੜਾ	Cordia sp.	72 cm
130	111		ਲਮੁੜਾ	Cordia sp.	95 cm
131	112		ਲਮੁੜਾ	Cordia sp.	101 cm
132	113		ਬਾਲਮਖੀਰਾ	Kigelia sp.	80 cm
133	113/ਏ		ਬਾਲਮਖੀਰਾ	Kigelia sp.	107 cm
134	114		ਬਾਲਮਖੀਰਾ	Kigelia sp.	56 cm
135	115		ਬਾਲਮਖੀਰਾ	Kigelia sp.	98 cm
136	116		ਟਾਹਲੀ (ਮੁੱਕਾ)	Dalbergia sissoo (Dead)	110 cm
137	117		ਬਾਲਮਖੀਰਾ	Kigelia sp.	113 cm
138	118		ਸਰੀਹ	Albizia lebeck	30 cm
139	119		ਤੂਤ	Morus sp.	70 cm
140	120		ਲਮੁੜਾ	Cordia sp.	94 cm
141	121		ਲਮੁੜਾ	Cordia sp.	70 cm
142	122		ਲਮੁੜਾ	Cordia sp.	98 cm
143	123		ਬਾਲਮਖੀਰਾ	Kigelia sp.	119 cm
144	124		ਲਮੁੜਾ	Cordia sp.	68 cm
145	125		ਲਮੁੜਾ	Cordia sp.	87 cm
146	126		ਲਮੁੜਾ	Cordia sp.	75 cm
147	127		ਲਮੁੜਾ	Cordia sp.	102 cm
148	128		ਲਮੁੜਾ	Cordia sp.	68 cm
149	129		ਲਮੁੜਾ	Cordia sp.	70 cm
150	130		ਲਮੁੜਾ	Cordia sp.	71 cm
151	131		ਲਮੁੜਾ	Cordia sp.	85 cm
152	132		ਲਮੁੜਾ	Cordia sp.	83 cm
153	133		ਲਮੁੜਾ	Cordia sp.	70 cm
154	134		ਲਮੁੜਾ	Cordia sp.	75 cm
155	135		ਲਮੁੜਾ	Cordia sp.	67 cm
156	136		ਲਮੁੜਾ	Cordia sp.	95 cm
157	137		ਟਾਹਲੀ	Dalbergia sissoo	37 cm
158	138		ਲਮੁੜਾ	Cordia sp.	104 cm
159	139		ਲਮੁੜਾ	Cordia sp.	85 cm
160	140		ਲਮੁੜਾ	Cordia sp.	46 cm
161	141		ਲਮੁੜਾ	Cordia sp.	86 cm
162	142		ਲਮੁੜਾ	Cordia sp.	70 cm
163	143		ਬੇਰੀ	Ziziphus mauritiana	30 cm
164	144		ਬੇਰੀ	Ziziphus mauritiana	50 cm
165	145		ਟਾਹਲੀ	Dalbergia sissoo	53 cm
166	145/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	54 cm
167	146		ਲਮੁੜਾ	Cordia sp.	84 cm
168	147		ਟਾਹਲੀ	Dalbergia sissoo	50 cm
169	148		ਲਮੁੜਾ	Cordia sp.	93 cm
170	149		ਨਿੰਮ	Azadirachta indica	33 cm
171	150		ਬਾਲਮਖੀਰਾ	Kigelia sp.	57 cm
172	150/ਏ		ਬਾਲਮਖੀਰਾ	Kigelia sp.	66 cm
173	151		ਬਾਲਮਖੀਰਾ	Kigelia sp.	69 cm
174	152		ਬਾਲਮਖੀਰਾ	Kigelia sp.	114 cm

175	153		ਬਾਲਮਖੀਰਾ	Kigelia sp.	118 cm
176	154		ਬਾਲਮਖੀਰਾ	Kigelia sp.	84 cm
177	155		ਟਾਹਲੀ	Dalbergia sissoo	132 cm
178	156		ਲਮੁੜਾ	Cordia sp.	57 cm
179	157		ਕਿੱਕਰ	Acacia Sp.	209 cm
180	158		ਲਮੁੜਾ	Cordia sp.	72 cm
181	159		ਟਾਹਲੀ (ਮੁੱਕਾ)	Dalbergia sissoo (Dead)	35 cm
182	160		ਟਾਹਲੀ	Dalbergia sissoo	82 cm
183	161		ਬਾਲਮਖੀਰਾ	Kigelia sp.	66 cm
184	162		ਬਾਲਮਖੀਰਾ	Kigelia sp.	70 cm
185	163		ਲਮੁੜਾ	Cordia sp.	100 cm
186	164		ਲਮੁੜਾ	Cordia sp.	57 cm
187	165		ਟਾਹਲੀ (ਮੁੱਕਾ)	Dalbergia sissoo (Dead)	63 cm
188	166		ਕਿੱਕਰ	Acacia Sp.	150 cm
189	167		ਟਾਹਲੀ	Dalbergia sissoo	36 cm
190	168		ਕਿੱਕਰ	Acacia Sp.	107 cm
191	169		ਟਾਹਲੀ	Dalbergia sissoo	40 cm
192	170		ਤੂਤ	Morus sp.	50 cm
193	171		ਲਮੁੜਾ	Cordia sp.	72 cm
194	172		ਮੁਹਾਜਣਾ	Pongamia pinnata	110 cm
195	173		ਬਾਲਮਖੀਰਾ	Kigelia sp.	127 cm
196	174		ਬਾਲਮਖੀਰਾ	Kigelia sp.	52 cm
197	175		ਲਮੁੜਾ	Cordia sp.	45 cm
198	176		ਬਾਲਮਖੀਰਾ	Kigelia sp.	135 cm
199	177		ਬਾਲਮਖੀਰਾ	Kigelia sp.	54 cm
200	177/ਏ		ਬਾਲਮਖੀਰਾ	Kigelia sp.	74 cm
201	178		ਬਾਲਮਖੀਰਾ	Kigelia sp.	50 cm
202	178/ਏ		ਬਾਲਮਖੀਰਾ	Kigelia sp.	51 cm
203	179		ਬਾਲਮਖੀਰਾ	Kigelia sp.	101 cm

**ਬਿਲਗਾ ਪੁੱਲੀ
(ਰਾਈਟ ਮਾਈਡ)**

204	180		ਕਿੱਕਰ	Acacia Sp.	155 cm
205	181		ਕਿੱਕਰ	Acacia Sp.	140 cm
206	182		ਕਿੱਕਰ	Acacia Sp.	135 cm
	183		ਬਿੱਲਪੱਤਰੀ		138 cm
207				Aegle marmelos	
208	184		ਬਿੱਲਪੱਤਰੀ	Aegle marmelos	60 cm
209	185		ਤੂਤ	Morus sp.	34 cm
210	185/ਏ		ਤੂਤ	Morus sp.	55 cm
211	186		ਟਾਹਲੀ	Dalbergia sissoo	186 cm
212	187		ਟਾਹਲੀ	Dalbergia sissoo	49 cm
213	187/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	45 cm
214	187/ਬੀ		ਟਾਹਲੀ	Dalbergia sissoo	46 cm
215	188		ਟਾਹਲੀ	Dalbergia sissoo	35 cm
216	189		ਟਾਹਲੀ	Dalbergia sissoo	47 cm
217	190		ਟਾਹਲੀ	Dalbergia sissoo	43 cm
218	191		ਟਾਹਲੀ	Dalbergia sissoo	41 cm
219	192		ਟਾਹਲੀ	Dalbergia sissoo	55 cm
220	193		ਟਾਹਲੀ	Dalbergia sissoo	53 cm
221	194		ਟਾਹਲੀ	Dalbergia sissoo	35 cm
222	195		ਟਾਹਲੀ	Dalbergia sissoo	51 cm
223	196		ਮੁਖਚੈਨ	Pongamia pinnata	43 cm
224	196/ਏ		ਮੁਖਚੈਨ	Pongamia pinnata	45 cm
225	197		ਟਾਹਲੀ	Dalbergia sissoo	64 cm
226	198		ਕਿੱਕਰ (ਮੁੱਕਾ)	Acacia Sp. (Dead)	120 cm
227	199		ਟਾਹਲੀ	Dalbergia sissoo	180 cm
228	200		ਮੁਖਚੈਨ	Pongamia pinnata	45 cm
229	201		ਟਾਹਲੀ	Dalbergia sissoo	63 cm
230	202		ਕਿੱਕਰ	Acacia Sp.	110 cm
231	203		ਕਿੱਕਰ	Acacia Sp.	131 cm
232	203/ਏ		ਕਿੱਕਰ	Acacia Sp.	79 cm
233	203/ਬੀ		ਕਿੱਕਰ	Acacia Sp.	63 cm

234	204	ਸਰੀਹ	Albizia lebbeck	85 cm
235	205	ਕਿੱਕਰ	Acacia Sp.	150 cm
236	206	ਸਰੀਹ	Albizia lebbeck	70 cm
237	207	ਕਿੱਕਰ	Acacia Sp.	115 cm
238	208	ਕਿੱਕਰ	Acacia Sp.	108 cm
239	209	ਕਿੱਕਰ	Acacia Sp.	58 cm
240	210	ਕਿੱਕਰ	Senegalia catechu	65 cm
241	211	ਅੰਜੀਰ	Ficus carica	44 cm
242	212	ਕਿੱਕਰ	Acacia Sp.	35 cm
243	213	ਟਾਹਲੀ	Dalbergia sissoo	30 cm
244	214	ਬੇਰੀ	Ziziphus mauritiana	38 cm
245	215	ਕਿੱਕਰ	Acacia Sp.	135 cm
246	216	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	101 cm
247	216/ਏ	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	102 cm
248	217	ਟਾਹਲੀ	Dalbergia sissoo	103 cm
249	218	ਟਾਹਲੀ	Dalbergia sissoo	43 cm
250	219	ਕਿੱਕਰ	Dalbergia sissoo	156 cm
251	220	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	66 cm
252	220/ਏ	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	35 cm
253	220/ਬੀ	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	48 cm
254	221	ਕਿੱਕਰ	Acacia Sp.	62 cm
255	222	ਟਾਹਲੀ	Dalbergia sissoo	70 cm
256	222/ਏ	ਟਾਹਲੀ	Dalbergia sissoo	60 cm
257	223	ਟਾਹਲੀ	Dalbergia sissoo	50 cm
258	224	ਟਾਹਲੀ	Dalbergia sissoo	35 cm
259	225	ਟਾਹਲੀ	Dalbergia sissoo	40 cm
260	226	ਟਾਹਲੀ	Dalbergia sissoo	30 cm
261	227	ਅਦਰ	Other	35 cm
262	228	ਟਾਹਲੀ	Dalbergia sissoo	34 cm
263	229	ਟਾਹਲੀ	Dalbergia sissoo	49 cm
264	230	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	56 cm
265	231	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	38 cm
266	232	ਟਾਹਲੀ	Dalbergia sissoo	42 cm
267	233	ਟਾਹਲੀ	Dalbergia sissoo	58 cm
268	234	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	49 cm
269	235	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	39 cm
270	236	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	38 cm
271	237	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	38 cm
272	238	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	39 cm
273	239	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	58 cm
274	240	ਟਾਹਲੀ	Dalbergia sissoo	30 cm
275	241	ਟਾਹਲੀ	Dalbergia sissoo	41 cm
276	242	ਟਾਹਲੀ	Dalbergia sissoo	56 cm
277	243	ਟਾਹਲੀ	Dalbergia sissoo	46 cm
278	244	ਟਾਹਲੀ	Dalbergia sissoo	68 cm
279	245	ਟਾਹਲੀ	Dalbergia sissoo	30 cm
280	246	ਟਾਹਲੀ	Dalbergia sissoo	35 cm
281	247	ਟਾਹਲੀ	Dalbergia sissoo	55 cm
282	248	ਟਾਹਲੀ	Dalbergia sissoo	63 cm
283	249	ਬੇਰੀ	Ziziphus mauritiana	36 cm
284	250	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	40 cm
285	251	ਟਾਹਲੀ	Dalbergia sissoo	70 cm
286	252	ਟਾਹਲੀ	Dalbergia sissoo	71 cm
287	253	ਟਾਹਲੀ	Dalbergia sissoo	55 cm
288	254	ਟਾਹਲੀ (ਮੁੱਕੀ)	Dalbergia sissoo (Dead)	66 cm
289	255	ਅਦਰ	Other	49 cm
290	256	ਅਦਰ	Other	50 cm
291	257	ਟਾਹਲੀ	Dalbergia sissoo	54 cm
292	258	ਟਾਹਲੀ	Dalbergia sissoo	40 cm
293	259	ਟਾਹਲੀ	Dalbergia sissoo	66 cm
294	260	ਟਾਹਲੀ	Dalbergia sissoo	47 cm

295	261		ਟਾਹਲੀ	Dalbergia sissoo	35 cm
296	262		ਟਾਹਲੀ	Dalbergia sissoo	45 cm
297	263		ਬੇਰੀ	Ziziphus mauritiana	35 cm
298	264		ਟਾਹਲੀ	Dalbergia sissoo	72 cm
299	265		ਟਾਹਲੀ	Dalbergia sissoo	70 cm
300	266		ਟਾਹਲੀ	Dalbergia sissoo	115 cm
301	267		ਅਦਰ	Other	73 cm
302	268		ਅਦਰ	Other	76 cm
303	269		ਅਦਰ	Other	67 cm
304	270		ਅਦਰ	Other	80 cm
305	271		ਅਦਰ	Other	48 cm
306	272		ਅਦਰ	Other	68 cm
307	273		ਟਾਹਲੀ	Dalbergia sissoo	81 cm
308	274		ਟਾਹਲੀ	Dalbergia sissoo	77 cm
309	275		ਟਾਹਲੀ	Dalbergia sissoo	42 cm
310	276		ਅਦਰ	Other	81 cm
311	277		ਅਦਰ	Other	38 cm
312	278		ਅਦਰ	Other	44 cm
313	279		ਅਦਰ	Other	45 cm
314	280		ਅਦਰ	Other	66 cm
315	281		ਅਦਰ	Other	64 cm
316	282		ਅਦਰ	Other	40 cm
317	283		ਅਦਰ	Other	31 cm
318	284		ਅਦਰ	Other	65 cm
319	285		ਅਦਰ	Other	52 cm
320	286		ਅਦਰ	Other	82 cm
321	287		ਅਦਰ	Other	76 cm
322	288		ਅਦਰ	Other	70 cm
323	289		ਅਦਰ	Other	30 cm
324	290		ਅਦਰ	Other	40 cm
325	291		ਅਦਰ	Other	38 cm
326	292		ਟਾਹਲੀ	Dalbergia sissoo	32 cm
327	293		ਟਾਹਲੀ	Dalbergia sissoo	65 cm
328	293/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	60 cm
329	294		ਟਾਹਲੀ	Dalbergia sissoo	68 cm
330	294/ਏ		ਟਾਹਲੀ	Dalbergia sissoo	30 cm
331	295		ਟਾਹਲੀ	Dalbergia sissoo	70 cm
332	296		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (Dead)	40 cm
333	297		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (Dead)	80 cm
334	298		ਟਾਹਲੀ	Dalbergia sissoo	65 cm
335	299		ਟਾਹਲੀ	Dalbergia sissoo	70 cm
336	300		ਕਿੱਕਰ	Acacia Sp.	63 cm
337	301		ਟਾਹਲੀ	Dalbergia sissoo	76 cm
338	302		ਟਾਹਲੀ	Dalbergia sissoo	56 cm
339	303		ਟਾਹਲੀ	Dalbergia sissoo	40 cm
340	304		ਟਾਹਲੀ	Dalbergia sissoo	56 cm
341	305		ਟਾਹਲੀ	Dalbergia sissoo	50 cm
342	306		ਟਾਹਲੀ	Dalbergia sissoo	48 cm
343	307		ਟਾਹਲੀ	Dalbergia sissoo	30 cm
344	308		ਟਾਹਲੀ	Dalbergia sissoo	56 cm
345	309		ਟਾਹਲੀ	Dalbergia sissoo	67 cm
346	310		ਟਾਹਲੀ	Dalbergia sissoo	62 cm
347	311		ਟਾਹਲੀ	Dalbergia sissoo	55 cm
348	312		ਟਾਹਲੀ	Dalbergia sissoo	73 cm
349	313		ਟਾਹਲੀ	Dalbergia sissoo	67 cm
350	314		ਟਾਹਲੀ	Dalbergia sissoo	42 cm
351	315		ਟਾਹਲੀ	Dalbergia sissoo	70 cm
ਮਜ਼ਾਰਾ ਤੇ ਬਿਲਗਾ ਪੁੱਲੀ (ਸੱਜਾ ਪਾਸਾ)					
352	316		ਟਾਹਲੀ	Dalbergia sissoo	185 cm
353	317		ਅਰਜੁਨ	Terminalia arjuna	102 cm
354	318		ਅਰਜੁਨ	Terminalia arjuna	99 cm

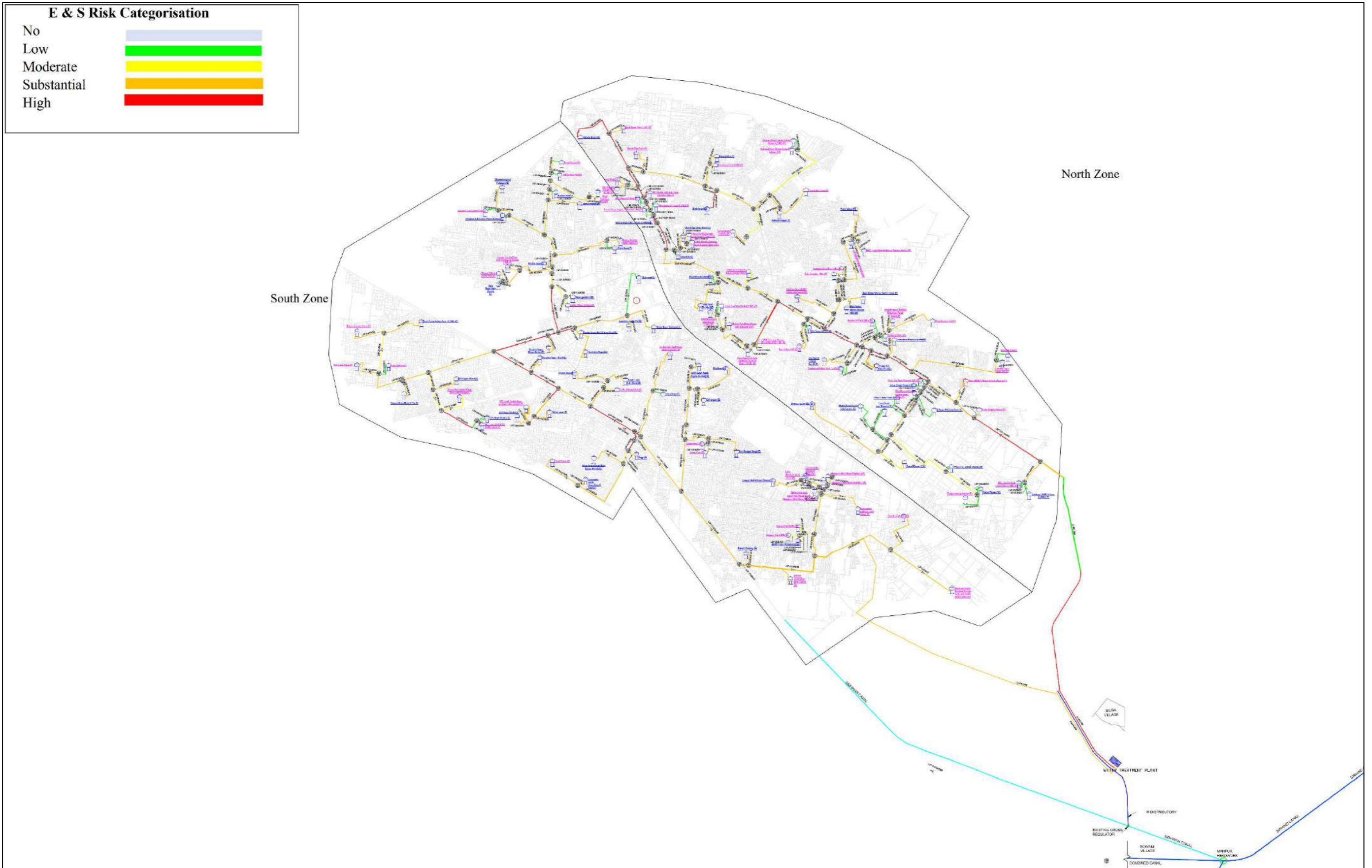
355	319		ਅਰਜੁਨ	Terminalia arjuna	117 cm
356	320		ਅਰਜੁਨ	Terminalia arjuna	103 cm
357	321		ਅਰਜੁਨ	Terminalia arjuna	112 cm
358	322		ਅਰਜੁਨ	Terminalia arjuna	133 cm
359	323		ਅਰਜੁਨ	Terminalia arjuna	111 cm
360	324		ਅਰਜੁਨ	Terminalia arjuna	105 cm
361	325		ਅਰਜੁਨ	Terminalia arjuna	101 cm
362	326		ਅਰਜੁਨ	Terminalia arjuna	75 cm
363	327		ਅਰਜੁਨ	Terminalia arjuna	145 cm
364	328		ਅਰਜੁਨ	Terminalia arjuna	130 cm
365	329		ਅਰਜੁਨ	Terminalia arjuna	85 cm
366	330		ਅਰਜੁਨ	Terminalia arjuna	37 cm
367	331		ਅਰਜੁਨ	Terminalia arjuna	45 cm
368	332		ਅਰਜੁਨ	Terminalia arjuna	122 cm
369	333		ਅਰਜੁਨ	Terminalia arjuna	134 cm
370	334		ਅਰਜੁਨ	Terminalia arjuna	123 cm
371	335		ਅਰਜੁਨ	Terminalia arjuna	117 cm
372	336		ਅਰਜੁਨ	Terminalia arjuna	128 cm
373	337		ਅਰਜੁਨ	Terminalia arjuna	120 cm
374	338		ਅਰਜੁਨ	Terminalia arjuna	99 cm
375	339		ਅਰਜੁਨ	Terminalia arjuna	110 cm
376	340		ਅਰਜੁਨ	Terminalia arjuna	70 cm
377	341		ਅਰਜੁਨ	Terminalia arjuna	88 cm
378	342		ਅਰਜੁਨ	Terminalia arjuna	70 cm
379	343		ਅਰਜੁਨ	Terminalia arjuna	130 cm
380	344		ਅਰਜੁਨ	Terminalia arjuna	120 cm
381	345		ਅਰਜੁਨ	Terminalia arjuna	116 cm
382	346		ਅਰਜੁਨ	Terminalia arjuna	114 cm
383	347		ਅਰਜੁਨ	Terminalia arjuna	122 cm
384	348		ਅਰਜੁਨ	Terminalia arjuna	112 cm
385	349		ਟਾਹਲੀ	Dalbergia sissoo	40 cm
386	350		ਟਾਹਲੀ	Dalbergia sissoo	72 cm
387	351		ਪਿਲਪਣ	Ficus virens	70 cm
388	351/ਏ		ਪਿਲਪਣ	Ficus virens	69 cm
ਮਜ਼ਾਰਾ ਪਿੰਡ ਦੀ ਪੁੱਲੀ					
389	352		ਟਾਹਲੀ	Dalbergia sissoo	69 cm
390	353		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	70 cm
391	354		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	68 cm
392	355		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	74 cm
393	356		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	73 cm
394	357		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	43 cm
395	358		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	35 cm
396	359		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	49 cm
397	360		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	42 cm
398	361		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	84 cm
399	362		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	59 cm
400	363		ਟਾਹਲੀ (ਸੁੱਕੀ)	Dalbergia sissoo (dead)	65 cm
401	364		ਟਾਹਲੀ	Dalbergia sissoo	52 cm
402	365		ਟਾਹਲੀ	Dalbergia sissoo	37 cm
403	366		ਟਾਹਲੀ	Dalbergia sissoo	62 cm
404	367		ਢੱਕ	Butea monosperma	57 cm
405	368		ਬੋਹੜ	Ficus benghalensis	256 cm
406	369		ਟਾਹਲੀ	Dalbergia sissoo	46 cm
407	370		ਟਾਹਲੀ	Dalbergia sissoo	40 cm
ਮਜ਼ਾਰਾ ਤੇ ਸਾਹਨੇਵਾਲ ਪੁੱਲੀ					
408	371		ਟਾਹਲੀ	Dalbergia sissoo	45 cm
409	372		ਪਿੱਪਲ	Dalbergia sissoo	89 cm
410	373		ਟਾਹਲੀ	Dalbergia sissoo	82 cm
411	374		ਟਾਹਲੀ	Dalbergia sissoo	78 cm
412	375		ਲਮੁੜਾ	Cordia sp.	66 cm
413	376		ਟਾਹਲੀ	Dalbergia sissoo	115 cm
414	377		ਤੂਤ	Morus sp.	45 cm

415	378	ਟਾਹਲੀ	Dalbergia sissoo	110 cm
416	379	ਤੂਤ	Morus sp.	52 cm
417	380	ਟਾਹਲੀ	Dalbergia sissoo	78 cm
418	381	ਪਰੇਕ	Melia azedarach	50 cm
419	382	ਤੂਤ	Morus sp.	70 cm
420	383	ਪਰੇਕ	Melia azedarach	94 cm
421	384	ਪਰੇਕ	Melia azedarach	50 cm
422	385	ਤੂਤ	Morus sp.	55 cm
423	386	ਪਰੇਕ	Melia azedarach	130 cm
424	387	ਟਾਹਲੀ	Dalbergia sissoo	80 cm
425	388	ਪਰੇਕ	Melia azedarach	30 cm
426	389	ਪਰੇਕ	Melia azedarach	76 cm
427	390	ਪਰੇਕ	Melia azedarach	154 cm
428	391	ਟਾਹਲੀ	Dalbergia sissoo	190 cm
429	392	ਪਰੇਕ	Melia azedarach	180 cm
430	393	ਪਰੇਕ	Melia azedarach	39 cm
431	394	ਟਾਹਲੀ	Dalbergia sissoo	156 cm
432	395	ਪਰੇਕ	Melia azedarach	75 cm
433	396	ਪਰੇਕ	Melia azedarach	194 cm
434	397	ਪਰੇਕ	Melia azedarach	137 cm
435	398	ਪਰੇਕ	Melia azedarach	37 cm
436	399	ਤੂਤ	Morus sp.	36 cm
437	400	ਤੂਤ	Morus sp.	78 cm
438	401	ਤੂਤ	Morus sp.	42 cm
439	402	ਤੂਤ	Morus sp.	35 cm
440	403	ਟਾਹਲੀ	Dalbergia sissoo	74 cm
441	404	ਟਾਹਲੀ	Dalbergia sissoo	35 cm
442	405	ਤੂਤ	Morus sp.	56 cm
443	406	ਟਾਹਲੀ	Dalbergia sissoo	104 cm
444	407	ਟਾਹਲੀ	Dalbergia sissoo	33 cm
445	408	ਟਾਹਲੀ	Dalbergia sissoo	87 cm
446	409	ਤੂਤ	Morus sp.	39 cm
447	410	ਟਾਹਲੀ	Dalbergia sissoo	67 cm
448	411	ਟਾਹਲੀ	Dalbergia sissoo	147 cm
449	412	ਚਿੱਟਾ ਲਮੁੜਾ	Cordia sp.	41 cm
450	413	ਚਿੱਟਾ ਲਮੁੜਾ	Cordia sp.	50 cm
451	414	ਤੂਤ	Morus sp.	119 cm
452	415	ਤੂਤ	Morus sp.	120 cm
453	416	ਤੂਤ	Morus sp.	108 cm
454	417	ਤੂਤ	Morus sp.	156 cm
455	418	ਤੂਤ	Morus sp.	129 cm
456	419	ਤੂਤ	Morus sp.	123 cm
457	420	ਟਾਹਲੀ	Dalbergia sissoo	85 cm
458	421	ਤੂਤ	Morus sp.	138 cm
459	422	ਮੁਖਚੈਨ	Pongamia pinnata	35 cm
Total Trees			459	

ਵਿਸ਼ਾ-ਸਿਧਵਾ ਕਨਾਲ ਤੋਂ 1- R Distributory upto 1-L minor junction ਤੱਕ ਛੋਟੇ ਦਰਖਤਾਂ ਦੀ ਗਿਣਤੀ ਕਰਨ ਸਬੰਧੀ ।

Sr.No.	Location	Plant Name	Size (3ft to 8ft)	Scientific Name	Counting of Poles
ਸਿਧਵਾ ਕਨਾਲ ਤੋਂ 1- R Distributory upto 1-L minor junction					
1		ਕਚਨਾਰ	3ft to 8ft	Bauhinia variegata	5
2		ਸੁਖਚੈਨ	3ft to 8ft	Pongamia pinnata	108
3		ਨਿੰਮ	3ft to 8ft	Azadirachta indica	2
4		ਅਰਜੁਨ	3ft to 8ft	Terminalia arjuna	106
5		ਟਾਹਲੀ	3ft to 8ft	Dalbergia sissoo	352
6		ਖੈਰ	3ft to 8ft	Senegalia catechu	1
7		ਸ਼ੀਸਮ	3ft to 8ft	Dalbergia sissoo	87
8		ਹਾਰ ਸ਼ਿੰਗਾਰ	3ft to 8ft	Nyctanthes arbor-tristis	45
9		ਤੂਤ	3ft to 8ft	Morus sp.	10
10		ਬਾਲਮਖੀਰਾ	3ft to 8ft	Kigelia sp.	3
11		ਜਾਮਨ	3ft to 8ft	Syzygium cumini	1
12		ਕੇਸ਼ੀਆ ਗੁਲਾਕਾ	3ft to 8ft	Cassia Gulaca	89
13		ਅਕਾਸ਼ ਨਿੰਮ	3ft to 8ft	Akash Azadirachta indica	53
14		ਚਿੱਟਾ ਲਸੂੜਾ	3ft to 8ft	Cordia sp.	25
15		ਪੀਲੀ ਕਨੇਰ	3ft to 8ft	Cascabela thevetia	3
16		ਧਰੇਕ	3ft to 8ft	Melia azedarach	5
Total					895

Annexure 23: Criteria and classification for E&S Impacts on Transmission Line



RISK CRITERIA:

Risk Category	Environment	Social	Mitigation Measures
No	No in case of: (All of these) <ul style="list-style-type: none"> • Alignment not near habitable area. • No impact on traffic • Sufficient working space available • No tree felling 	No in case of: (All of these) <ul style="list-style-type: none"> • No impact on livelihood • No temporary impact on roadside vendors, shopkeepers, Kiosk, etc. • No temporary impact on community. • No impact on sensitive receptors 	Safety Measures taken.
Low	Low in case of: (Any of these) <ul style="list-style-type: none"> • No Tree felling • No sensitive zones involved • No traffic diversion • Laying of pipeline of dia less than 300mm Other Roads • Laying of Pipeline on Village Road 	Low in case of: (Any of these) <ul style="list-style-type: none"> • No impact on livelihood • Few hours of temporary and reversible impact on less than 10 roadside vendors, shopkeepers, kiosk, etc on a stretch of 100m. • No temporary impact on community. • No impact on sensitive receptors 	<ul style="list-style-type: none"> • Proper mitigation measures have been followed. • Consultations with local people, especially with mobile vendors
Moderate	Moderate in case of: (Any of these) <ul style="list-style-type: none"> • No Tree felling • Pipeline with diameter of less than 700mm required to be layed along the National/ State Highway. • Laying of pipeline of dia 300mm to 700mm Other Roads/Colony roads/Densely Populated Area 	Moderate in case of: (Any of these) <ul style="list-style-type: none"> • No impact on livelihood • Temporary and reversible impact on less than 20 roadside vendors, shopkeepers, kiosk, etc. • Temporary impact on community for less than 5 days. • No impact on sensitive receptors 	Mitigation measures have been taken: <ul style="list-style-type: none"> • Consultations with local people, especially with mobile vendors, they agreed to move to the either side of the road during the pipe laying. • Proper Traffic management was done. • Most of the work done during nighttime • Regular Water sprinkling done • Small dia of Pipe (DI Pipes)
Substantial	Substantial in case of: (Any of these) <ul style="list-style-type: none"> • State Highway and Canal Crossing required 	Substantial in case of: (Any of these) <ul style="list-style-type: none"> • Temporary and reversible impact on less than 50 roadside vendors, shopkeepers, kiosk, etc 	

Risk Category	Environment	Social	Mitigation Measures
	<ul style="list-style-type: none"> ● Pipeline with diameter more than 700mm required to be layed along the National/ State Highway. ● Laying of pipeline of dia 700mm to 1000mm Colony roads/ Densely populated area. ● Tree Felling Involved (Non-Forest Land) ● High Traffic Flow on other roads Junction 	<ul style="list-style-type: none"> ● Temporary impact on community for less than 20 days. ● Impact on sensitive receptors due to laying of pipeline. ● Demolition of access path to houses, shops, etc and Permanent impact on access 	
High	<p>High in case of: (Any of these)</p> <ul style="list-style-type: none"> ● Diversion of Forest Land Required ● Tree Felling Required ● Railway and National Highway Crossing required. ● Laying of pipeline of dia 1000mm Colony roads/ Densely populated area. ● Heavy Traffic Flow NH/SH Junction 	<p>High in case of: (Any of these)</p> <ul style="list-style-type: none"> ● Permanent and irreversible impact on more than 50 roadside vendors, shopkeepers, kiosk. ● Loss of structure and permanent displacement. ● Temporary impact on community for more than 20 days. 	Work not started here.

Risk Classification

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
North Zone						
1.	From WTP to LNJ 42	1800	2.87 kms	High	High	High
			3 kms	High	High	High
2.			4.37 kms	Moderate	Low	Moderate
3.	LNJ 42 to LNJ 39	450	1.0 kms	Moderate	Substantial	Substantial
4.	LNJ39 to MCL Land,34 Acre Focal Point (1.5ML) (P)	250	30 m	Low	Low	Low
5.	LNJ39 to Existing ESR 34 Acre (0.23ML) (E)	300	230 m	Low	Low	Low
6.	LNJ 42 to LNJ 43 A	1800	1.83 kms	Substantial	High	High
7.	LNJ 43 A to ESR at Fortis Hospital	200	280 m	Moderate	Substantial	Substantial
8.	LNJ 43 A to LNJ 43	1800	770 m	Substantial	Substantial	Substantial
9.	LNJ 43 to Govt. Smart Primary School Mundian (P)	200	540 m	Low	Substantial	Substantial
10.	LNJ 43 to LNJ 34	1700	890 m	Substantial	Substantial	Substantial
11.	LNJ 34 to LNJ 30 Including ESR in Park, Opp Veer Palace(1.5ML) (P) Including ESR in Urban Estate Phase-II (E)	700	910 m	Substantial	Substantial	Substantial
12.	LNJ 36 to Urban Estate Phase-II (E)	200	100 m	Low	Low	Low
13.	LNJ 31 to I Phase VIII Focal Point (E)	300	550 m	Low	Low	Low
14.	LNJ 31A to Buddha Park (near Jeevan nagar) (P)	200	550 m	Low	Low	Low
15.	LNJ31 to Urban Estate Phase I	200		Low	Low	Low
16.	LNJ 30 to LNJ 12	600	750 m	Moderate	Low	Moderate
17.	LNJ 12 to LNJ 2	350	2.12 kms	Moderate	Substantial	Substantial
18.	LNJ 2 to LNJ 2A including ESRs at Phase VI, police chowky E, Focal Phase 7(E), Durga Colony (P)	350	1.30	Moderate	Low	Moderate
		200		Low	Low	Low
		200		Low	Low	Low
19.	LNJ 12 to LNJ 18	500	120 m	Moderate	Moderate	Moderate
20.	LNJ 18 to LNJ 25, including Focal Point (opp thanna) E, Phase III near coca cola factory	250	1.17 kms	Low	Low	Low
		200		Low	Low	Low
		150		Low	Low	Low

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
21.	LNJ 18 to LNJ 15	400	450 m	Moderate	Low	Moderate
22.	LNJ 15 to Sherpur Zone B2	300	1.99 kms	Low	Substantial	Substantial
23.	LNJ 15 to Focal Phase 5 (E)	500	820 m	Moderate	Low	Low
24.	LNJ 34 to LNJ 46	1600	1.2 kms	High	High	High
25.	LNJ 23 to LNJ 23A including BSUP/MC Flats, BSUP/MC Flats 1 ML (P)	200	2.55 Kms	Low	Substantial	Substantial
		200		Low	Low	Low
26.	LNJ 46 to Jamalpur Disposal Point (E)	250	450 m	Low	substantial	Substantial
27.	LNJ 46 to LNJ 44	1600	280 m	High	High	High
28.	LNJ 44 to Phase 4A Metro Road	200	620 m	High	Substantial	High
29.	LNJ 46 to LNJ 49, including Phase 4A Metro Road (E)	1600	740 m	Substantial	High	High
30.	LNJ 49 to LNJ 38	600	680 m	Moderate	Substantial	Substantial
31.	LNJ 38 to Sector 33 Park (2ML) (P) including Tirkona Park (200 mm)	250	570 m	Substantial	Moderate	Substantial
32.	LNJ 38 to Sector 33 Park	250	572m	Low	Low	Low
33.	LNJ 37 to Trikona Park	200m		Low	Low	Low
34.	LNJ 28 to Govt primary school Bhamian Road (P)	200	280 m	Low	Moderate	Moderate
35.	LNJ 28 to Ansal Enclave Park	350	1.44 km	Moderate	Substantial	Substantial
36.	LNJ 49 to LNJ 50	1500	46 m	High	Low	High
37.	LNJ 50 to LNJ 55	1500	920 m	Substantial	High	High
38.	LNJ 50 to 50A including ESR at Vishkarma Colony Park and ESR at Opp Dental College Sec-40 (E)	300	1.47 kms	Moderate	Substantial	Substantial
		200		Low	Low	Low
39.	LNJ 55 to LNJ 45	600	430	Moderate	Substantial	Substantial
40.	LNJ 45 to LIG Flats Park (Green Land School) (P)	400	1.12 kms	Substantial	Substantial	Substantial
41.	LNJ 45 to LNJ 33	400	880 m	Moderate	Substantial	Substantial
42.	LNJ 33 to ESR at Dairy Complex (1ML) (P) Including ESR at Tankiwala Park BI-C (1.5 ML) (P)	200	100 m	Substantial	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
43.	LNJ 33 to LNJ 8 Including ESR at Tankiwala Park BIC (1.5ML) (P) Including ESR at Dairy Complex (1ML)	400 300	1.81 km	Substantial Moderate	Substantial Substantial	Substantial Substantial
44.	LNJ 8 to ESR at Prem Vihar (E)	200	820 m	Low	Substantial	Substantial
45.	LNJ 8 to LNJ 4	200	400 m	Low	Moderate	Moderate
46.	LNJ 4 to ESR at Goushaala, Tibbe Road (1ML) (P)	200	100 m	Low	Low	Low
47.	LNJ 55 to LNJ 59	1400	490 m	Substantial	Substantial	Substantial
48.	LNJ 59 to LNJ 9	300	210 m	Low	Substantial	Substantial
49.	LNJ 9 to Saini Colony 0.45ML And Kirti nagar	200	1.20 kms	Low	Substantial	Substantial
				Low	Low	Low
50.	LNJ 59 to LNJ 40	1400	900 m	High	High	High
51.	LNJ 40 to LNJ 19	500	1.19 kms	High	Substantial	High
52.	LNJ 19 to LNJ 6	500	970 m	Substantial	Substantial	Substantial
53.	LNJ 19 to NKH Park, near Cheema Chowk (Ward 17) 1.5ML (P)	350	1.1 kms	Moderate	Substantial	Substantial
54.	LNJ 6 to LNJ 3 and ESRs at Open land opposite Jail and Childrens Park	400 150	540 m	Substantial	Substantial	Substantial
				Low	Low	Low
55.	LNJ 40 to LNJ 24	1300	800 m	High	Substantial	High
56.	LNJ 24 to Street No. 5, Kashmir Nagar Chowk (2 ML) (P)	500	370 m	Moderate	Moderate	Moderate
57.	LNJ 24 to LNJ 10	1300	2.3 kms.	Substantial	Substantial	Substantial
58.	LNJ 10 to LNJ 22	600	33.9 m	Moderate	Substantial	Substantial
59.	LNJ 22 to ESR at Jail Road Div. No. 2 (E) and Naulakha Garden	400 150	813 m	Moderate	Substantial	Substantial
				Low	Low	Low
60.	LNJ 10 to LNJ 11	1200	2.76 kms	Substantial	Substantial	Substantial
61.	LNJ 11 to LNJ 21	500	483 m	Moderate	Moderate	Moderate
62.	LNJ 20 to Town Hall	250	132 m	Low	Low	Low
63.	LNJ 21 to ESR at Derasi Opp Geeta Mandir	200	141	Low	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
64.	LNJ 21 to LNJ 32 including Geeta Mandir Park opp. Daresi Ground Ward 21 (P)	250	334 m	Low	Substantial	Substantial
65.	LNJ 32 to Geeta Mandir Park opp Daresi Ground Ward 21(P)	450	169 m	Substantial	Substantial	Substantial
66.	LNJ 11 to LNJ 60	1100	1.07 kms	High	Substantial	High
67.	LNJ 60 to Opp. Chrch GT Road (P)	150	100 m	Low	Low	Low
68.	LNJ 60 to LNJ 47	1050	492 m	High	Substantial	High
69.	LNJ 47 to LNJ 17 Including ESR at Netaji Park (P) and ESR at Sant Rajinder Punjabi Park (1.5 ML) (P)	300	983 m	Low	Substantial	Substantial
70.	LNJ 47 to LNJ 52	1000	691 m	High	Substantial	Substantial
71.	LNJ 52 to LNJ 48 Including ESR at Royal City Park (P)	900	2.11 kms	Substantial	Substantial	Substantial
72.	LNJ 48 to LNJ 5 Including ESR existing at Basant Vihar and ESR proposed at Panchsheel Park	350	1.03 kms	Substantial	Substantial	Substantial
73.	LNJ 48 to LNJ 41	800	297	Substantial	Substantial	Substantial
74.	LNJ 41 to Shekhewal (E)	300	516 m	High	Substantial	High
75.	LNJ 41 to LNJ 16	700	1.04 kms	Moderate	Substantial	Substantial
76.	LNJ 16 to LNJ 7	600	995 m	Moderate	Substantial	Substantial
77.	LNJ 7 to Sunder Nagar	300	398 m	Low	Substantial	Substantial
78.	LNJ 16 to LNJ 14	400	338 m	Moderate	Substantial	Substantial
79.	LNJ 14 to LNJ 26 including Chandralekha Colony(P) and Subash Nagar(E)	400	1.35 kms	Moderate	Substantial	Substantial
80.	LNJ 14 to LNJ 1 including Gehlewal Pond, Beside Gailiveli School 1 (P) and Gehlewal Pond, Beside Gailiveli School 2 (1.5ML) (P)	450	2.2 kms	Moderate	Substantial	Substantial
		200		Low	Low	Low
81.	LNJ 53 to Ashok Nagar (E)	300	1.45 kms	High	Substantial	High
82.	LNJ 53 to Akash Nagar Park (1.5 ML) (P)	250	420 m	Moderate	Substantial	Substantial
South Zone						
1.	From WTP to LSJ 55	2000 mm	14.61 kms	Substantial	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
2.	LSJ2 to Open land beside Kanganwal Graveyard, near Police Station (P)	300 mm	2.4 kms	Substantial	Substantial	Substantial
3.	LSJ2 to Dhandari Park (P)	300 mm	1.27 kms	Substantial	Substantial	Substantial
4.	LSJ43 to LSJ2	500 mm	2.177 km	Substantial	Substantial	Substantial
5.	LSJ43 to LSJ35	750 mm	579 m	Substantial	Substantial	Substantial
6.	LSJ35 to LSJ41	450 mm	505 m	Moderate	Moderate	Moderate
7.	LSJ41 to Giaspura Flat 1 (2ML) (P)	350 mm				
8.	LSJ41 to LSJ39	250mm				
9.	LSJ39 to BSUP Flats (Giaspura)	150mm				
10.	LSJ39 to Giaspura Flat 2(2ML) (P)	250 mm				
11.	LSJ35 to LSJ32	600 mm	1.07 kms	Substantial	Substantial	Substantial
12.	LSJ32 to Indra colony park (sua road) (P)	300 mm	1.35 kms	Low	Substantial	Substantial
13.	LSJ32 to LSJ31	500 mm	47.6 m	Substantial	Low	Substantial
14.	LSJ31 to LSJ28	450 mm	1.45 kms	Substantial	Substantial	Substantial
15.	LSJ28 to Open Land opp. Indian Oil Petrol Bunk,	200 mm				
16.	Giaspura Mini Rose Garden	200 mm				
17.	LSJ28A to Lohara Daba disposal (P)	200 mm				
18.	LSJ28B to Daba Shamshanghat (P) LSJ28B to Langer Hall Village Dhaba (E)	450 mm				
19.	LSJ31 to LSJ25	200 mm	1.35 kms	Low	Substantial	Substantial
20.	LSJ25 to Giaspura Mini Rose Garden 1(P)	200 mm				
21.	LSJ25A to Giaspura Mini Rose Garden 2(P)	200 mm				
22.	LSJ55 to LSJ45	900 mm	200 m	Substantial	Substantial	Substantial
23.	LSJ45 to Grewal Colony (E)	250 mm	305 m	Low	Substantial	Substantial
24.	LSJ45 to Lohara shamshan ghat (P)	900 mm	426 m	Substantial	Substantial	Substantial
25.	LSJ45 to LSJ43	900 mm	2.03 kms	Substantial	Substantial	Substantial
26.	LSJ55 to LSJ56	1800 mm	2.38 kms	Substantial	Substantial	Substantial
27.	LSJ56 to LSJ44	700 mm	1.27 kms	Moderate	Substantial	Substantial
28.	LSJ44 to LSJ18	450 mm	537 m	Moderate	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
29.	LSJ18 to LSJ1	300 mm				
30.	LSJ1 to Golden Park 1(P)	200 mm				
31.	LSJ1 to Golden Park 2(P)	200 mm				
32.	LSJ18 to Kot Mangal Singh(E)	300 mm				
33.	LSJ44 to LSJ33	500 mm	1.26 kms	Substantial	Substantial	Substantial
34.	LSJ44 to LSJ9	500 mm		Moderate	Substantial	Substantial
35.	LSJ9 to LSJ11	400 mm	1.19 kms	Moderate	Substantial	Substantial
36.	LSJ11 to Gill Chowk (E)	250 mm				
37.	LSJ11 to Dholewal (E)	300 mm				
38.	LSJ9 to LSJ27	300 mm	559 m	Substantial	Substantial	Substantial
39.	LSJ27 to Over Lock Road (Cycle Market) (E)	150 mm				
40.	LSJ56 to LSJ52	1700 mm	1.77 kms	Substantial	Substantial	Substantial
41.	LSJ52 to LSJ8	300 mm	1.19 kms	Low	Substantial	Substantial
42.	LSJ8 to Atam Nagar	200 mm	189 m	Low	Low	Low
43.	LSJ8 to Lal Quarters, Azad Nagar (Abdullpur Basti) (P)	250 mm	1.09 kms	Substantial	Substantial	Substantial
44.	LSJ52 to LSJ53	1600 mm	52.6 m	High	Moderate	High
45.	LSJ54 to LSJ26	600 mm	446 m	High	Moderate	High
46.	LSJ26 to Durgi (E)	200 mm	80.8 m	Low	Substantial	Substantial
47.	LSJ26 to LSJ48	500 mm	336 m	Moderate	Moderate	Moderate
48.	LSJ48 to Urban Estate Dugri Main (Durga Mandir) (E)	350 mm	839 m	Moderate	Substantial	Substantial
49.	LSJ48 to Community Centre phase 2(south zone) (E)	350 mm	1.71 kms	Moderate	Substantial	Substantial
50.	LSJ48 to Dugri Phase 3(P)	350 mm	1.13 kms		Substantial	
51.	LSJ53 to LSJ40	1600 mm	1.38 kms	High	Substantial	High
52.	LSJ40 to LSJ20	800 mm	582 m	Substantial	Substantial	Substantial
53.	LSJ20 to 13 No. Tube well Park (P)	450 mm	449 m	Moderate	Moderate	Moderate
54.	LSJ20 to LSJ14	500 mm	126 m	Moderate	Moderate	Moderate

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
55.	LSJ14 to Model Town Gole Market(E)	250 mm	899 m	Low	Substantial	Substantial
56.	LSJ14 to Shastri Nagar(E)	300 mm	694 m	Low	Substantial	Substantial
57.	LSJ40 to LSJ47	1500 mm	915 m	Substantial	Substantial	Substantial
58.	LSJ47 to LSJ13	450 mm	954 m	High	Substantial	High
59.	LSJ13 to Vishal nagar (E)	300 mm	365 m	Low	Substantial	Substantial
60.	LSJ13 to SBS Nagar-Block-f (E)	350 mm	638 m	Moderate	Substantial	Substantial
61.	LSJ13 to MCL Land, Govind Nagar, backside Indoor Stadium(P)	350 mm	379 m			
62.	LSJ47 to LSJ42	1400 mm	803 m	High	Moderate	High
63.	LSJ42 to Sarabha Nagar I Block(E)	350 mm	365 m	Substantial	Low	Substantial
64.	LSJ42 to LSJ36	1300 mm	992 m	High	Moderate	High
65.	LSJ36 to LSJ23	1050 mm	4.5 kms	High	Substantial	High
66.	LSJ23 to Sarabha Nagar (Kipps Market) (E)	350 mm	487 m	Moderate	Substantial	Substantial
67.	LSJ23 to LSJ22	1050 mm	238 m	High	Moderate	High
68.	LSJ22 to LSJ20	600 mm	1213 m	High	Moderate	High
69.	LSJ20 to Gurdev Nagar No.1(Trikoni Park)(E) and Gurdev Nagar No.1(Trikoni Park)(E)	350 mm		Moderate	Substantial	Substantial
70.	LSJ20 to LSJ16	500 mm	1.38 kms	Moderate	Substantial	Substantial
71.	LSJ16 to Jawahar nagar 03 (E), Sham Nagar Tankiwala(E) and Club Road(E)	300 mm	664 m	Low	Moderate	Moderate
72.	LSJ22 to LSJ49	1000 mm	1.11 km	High	Substantial	High
73.	LSJ49 to LSJ5	500 mm	845 m	Moderate	Low	Moderate
74.	LSJ5 to Nehru Rose Garden(P)	300 mm				
75.	LSJ5 to Rose Garden 2(E)	200 mm				
76.	LSJ49 to LSJ15	900 mm	434 m	Substantial	Substantial	Substantial
77.	LSJ15 to LSJ19	350 mm	1.24 km	Moderate	Substantial	Substantial
78.	LSJ19 to Income Tax Dept Opp Govt Polytechnic Collage 1.5ML (P)	200 mm	336 m	Low	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
79.	LSJ19 to LIT Land Z Block Ashok Vihar (P) and Rishi Nagar-Near Block-E (E)	300 mm	789	Moderate	Substantial	Substantial
80.	LSJ15 to LSJ30	800 mm	118 m	Moderate	Substantial	Substantial
81.	LSJ30 to Kitchlu nagar(E)	150 mm	32 m		Substantial	
82.	LSJ30 to LSJ37	750 mm	259 m	Substantial	Substantial	Substantial
83.	LSJ37 to LSJ17	400 mm	1.42 km	Moderate	Substantial	Substantial
84.	LSJ17 to Prem Nahar (E)	300 mm	175 m	Low	Low	Low
85.	LSJ17 to Dasera Ground, Upkar Nagar (P)	250 mm	486 m	Low	Substantial	Substantial
86.	LSJ37 to LSJ50	600 mm	1.47 kms	Moderate	Substantial	Substantial
87.	LSJ50 to LSJ51	500 mm	1.11 kms	Moderate	Substantial	Substantial
88.	LSJ51 to Haibowal Kalan (near Police Station) (E)	350 mm		Low	Low	Low
89.	LSJ51 to LSJ46	450 mm	213 m	Moderate	Substantial	Substantial
90.	LSJ46 to Mahaveer Jain Colony Park (P)	300 mm	244 m	Low	Low	Low
91.	LSJ46 to Shamshanghat Haibowal(E)	350 mm	746 m	Moderate	Substantial	Substantial
92.	LSJ50 to LSJ34	600 mm	1.47 kms	Moderate	Substantial	Substantial
93.	LSJ34 to Jeenat colony(E)	400 mm	855 m	Moderate	Substantial	Substantial
94.	LSJ34 to LSJ29	450 mm	222 m	Moderate	Substantial	Substantial
95.	LSJ29 to Jassian road(E)	250 mm	111 m	Low	Low	Low
96.	LSJ29 to LSJ6	300 mm	1.14 kms	Low	Substantial	Substantial
97.	LSJ10 to Vinod Park (Civil City) (P)	250 mm	1.24 kms	Low	Substantial	Substantial
98.	LSJ6 to Kesari Enclave(P) and Juhi Enclave Park(P)	250 mm	343 m	Low	Low	Low
99.	LSJ36 to LSJ24	700 mm	1760 m	Moderate	Substantial	Substantial
100.	LSJ24 to LSJ7	400 mm	1005 m	Moderate	Low	Moderate
101.	LSJ12 to BRS Nagar H-Block(E)	300 mm	726 m	Low	Substantial	Substantial
102.	LSJ7 to Trikona Park, Sunet Village, I Block, B R S Nagar(P)	350 mm	624 m	Moderate	Low	Moderate
103.	LSJ7 to SBS Nagar Block-G (E) and MCL Land, OPP KEYS HOTEL (P)	250 mm	1.14 kms	High	Substantial	High
104.	LSJ24 to Rajguru Nagar-Block-B T/w (E)	500 mm	1.22 kms	Moderate	Substantial	Substantial

S. No.	Transmission line Section	Diameter (in mm)	Length (m)	Risk Classification		Overall Risk Classification
				Environmental	Social	
105.	LSJ24 to LSJ4	500 mm	1.25 kms	Moderate	Substantial	Substantial
106.	LSJ4 to Citizen Enclave(P)	200 mm	249 m	Low	Low	Low
107.	LSJ4 to New Aggar Nagar (P)	300 mm	566 m	Low	Substantial	Substantial
108.	LSJ4 to LSJ2	450 mm	1020 m	Moderate	Moderate	Moderate
109.	LSJ2 to Mahavir Enclave (P) and Shere Punjab Colony Park (0.91ML) (E)	300 mm	571 m	Low	Substantial	Substantial

Annexure 24: Criteria and classification for E&S Impacts on ESRs

Classification Criteria

Risk Category	Environment	Social
No	<p>No in case of: (Any of these)</p> <ul style="list-style-type: none"> • The ESR is in functionable condition, and it only requires connection to transmission line network • ESR not in present use and requires only minor repair work such as pipe painting, pipe joint, flange replacement, valve replacement etc. 	<p>No in case of: (Any of these)</p> <ul style="list-style-type: none"> • Already existing functionable ESR hence no social risk.
Low	<p>Low in case of: (Any of these)</p> <ul style="list-style-type: none"> • Minor rehabilitation of the ESR which includes activities such as water proofing, staircase repairing, handle replacement. etc. • No Tree Cutting involved. 	<p>Low in case of: (Any of these)</p> <ul style="list-style-type: none"> • Less impact on Community or no nearby community. • No large-scale construction activities involved only minor repair work.
Moderate	<p>Moderate in case of: (Any of these)</p> <ul style="list-style-type: none"> • Tree cutting involved (Not under forest land) • Requires moderate repair in RCC structures. • ESR locations having HT lines in close vicinity (within 20 m) • Construction of ESR with safe distance from structures (more than 50 m) • Demolition of ESR with safe distance from structures (more than 50 m) 	<p>Moderate in case of: (Any of these)</p> <ul style="list-style-type: none"> • Health and safety risks for local community. • Social conflict during construction
Substantial	<p>Substantial in case of: (Any of these)</p> <ul style="list-style-type: none"> • If construction requires the felling of trees (non-forest area) or significant alteration of parks. • Requires major repair in RCC dome, column, beam, Walls etc • Construction of ESR with considerable distance from structures (within 50 m) 	<p>Substantial in case of: (Any of these)</p> <ul style="list-style-type: none"> • Densely populated residential areas (within 50m). • Working at height, occupational health and safety hazard. • Illegal encroachment. • RWA and Community Parks
High	<p>High in case of: (Any of these)</p> <ul style="list-style-type: none"> • Tree cutting involved (Tree under forest area) affecting the local environmental conditions of Flora and Fauna. • ESR covers significant percentage of green Park area. • Construction of New ESR in close proximity of residential buildings. (Within 20 m) • Demolition of ESR 	<p>High in case of: (Any of these)</p> <ul style="list-style-type: none"> • Demolition in close proximity to sensitive receptors/ Densely populated residential areas • Community direct involvement, social conflict site due to local habitants raising objections on constructing new ESRs • Temporary displacement or loss of structure





Risk Classification as per Criteria





S.No.	ESRs		Risk Classification		Overall Classification
	ESR ID	Locality	Environment	Social	
1.	W95-E1	Ashok Nagar	High	Substantial	High
2.	W1-P2	Royal City Park	High	Substantial	High
3.	W89-P2	Netaji Park	High	High	High
4.	W89-P3	Sant Rajendra Punjabi Park	Substantial	Moderate	Substantial
5.	W87-P1	W24 Besides Old Public Toilet GT Road	Substantial	Substantial	Substantial
6.	W89-P1	Opposite Church Road	Substantial	Low	Substantial
7.	W85-P1	Shiv Statue GT Road	Moderate	Low	Moderate
8.	W84-P1	Manna Singh Nagar	Substantial	Low	Substantial
9.	W84-E1	Manna Singh Old GT Road	Substantial	Low	Substantial
10.	W59-E1	Daresi Opp Geeta Mandir	Moderate	Moderate	Moderate
11.	W59-P1	Geeta Mandir Park Opp Dareshi Ground	Moderate	Moderate	Moderate
12.	W59-P2	Geeta Mandir Park Opp Dareshi Ground	Moderate	Moderate	Moderate
13.	W58-P1	Sunder Nagar Park	High	High	High
14.	W10-E1	Subhas Nagar	High	Substantial	High
15.	W7-P1	Chandralok Colony	Moderate	Low	Moderate
16.	W6-P1	Gehlewal Pond, Besides Galliveli School (1)	High	Substantial	High
17.	W6-P2	Gehlewal Pond, Besides Galliveli School (2)	High	Substantial	High
18.	W4-E1	Basant Vihar	High	Substantial	High
19.	W3-P1	Panchsheel Park	High	Substantial	High
20.	W64-E1	Town Hall	High	Substantial	High
21.	W62-E1	Naulakha Garden	High	Substantial	High
22.	W58-E1	Shefali Park Sunder Nagar	High	Substantial	High
23.	W57-P1	Street No. 5 Kashmir Nagar Chowk	Moderate	Moderate	Moderate
24.	W54-P1	Open land opp. Old Jail	Substantial	Low	Substantial
25.	W54-P2	Childrens park near old jail	Moderate	Low	Moderate
26.	W53-P1	Shahidi Park Kidwai Nagar Sub Zone B1	High	High	High
27.	W20-P2	Guru Angaddev Park, Janakpuri tea point	Substantial	Low	Substantial
28.	W20-P1	NHK park near Cheema Chowk	High	Moderate	High
29.	W21-P1	Saini Colony	High	Substantial	High
30.	W21-E1	Kirti Nagar Sector 39 A	High	Substantial	High
31.	W19-P1	LIG Flat Park (Amrut) Green Land School	Substantial	Substantial	Substantial
32.	W16-E1	Main Water Works Sector 32	Moderate	Moderate	Moderate
33.	W16-E2	New Water Works Sec 32 A	Substantial	Substantial	Substantial
34.	W14-P2	Tanki Vala Park B1-C	Moderate	Low	Moderate
35.	W13-P1	Goushaala Tidda Road	Moderate	Low	Moderate
36.	W15-P1	MCL Land New National Colony Amrut	High	Substantial	High
37.	W13-E1	Prem Vihar	High	Substantial	High
38.	W25-P1	Ansul Enclave	High	Substantial	High
39.	W16-P1	Govt. Primary School, Bhamian Road Amrut	Substantial	Moderate	Substantial
40.	W16-P2	Sector 33 Park	Substantial	Moderate	Substantial
41.	W25-P2	Trikona Park	Substantial	Moderate	Substantial
42.	W18-E1	Opposite Dental College, Sector 40	Moderate	Low	Moderate





S.No.	ESRs		Risk Classification		Overall Classification
	ESR ID	Locality	Environment	Social	
43.	W18- P1	Vishwakarma Colony Park	High	Substantial	High
44.	W24-E1	Phase 4A Metro Road	Substantial	Low	Substantial
45.	W25-E1	Jamalpur disposal point	High	Substantial	High
46.	W27-E1	BSUP Flats MC Flats	High	Substantial	High
47.	W27-P1	BSUP Flats MC Flats	High	Substantial	High
48.	W24-P1	Park Opp. Veer Palace	Substantial	Low	Substantial
49.	W24-E1	Urban Estate Phase II	Substantial	Low	Substantial
50.	W24-P1	Buddha Park Near Jivan Nagar Amrut	Substantial	Moderate	Substantial
51.	W27-E1	Phase 8 Focal Point	High	Low	High
52.	W23-E1	Urban Estate Phase I	High	Substantial	High
53.	W23-E2	Focal Point Opp. Thana	High	Substantial	High
54.	W23-E3	Phase 3 near Coca Cola factory	Substantial	Moderate	Substantial
55.	W22-E1	Sherpur Zone B4	High	High	High
56.	W28-E1	Focal Phase 5	High	Substantial	High
57.	W28-E2	Phase 6 Police Chowki	High	Moderate	High
58.	W28-E3	Focal Phase 7	Substantial	Low	Substantial
59.	W28-P1	Durga Colony Amrut	Substantial	Moderate	Substantial
60.	W27-E1	34- Acre Existing ESR Phase 8	High	Moderate	High
61.	W27-P3	MCL Land 34 Acre Focal Point	High	Low	High
62.	W27-P4	Fortis Hospital Amrut	High	High	High
63.	W27-P2	Government Smart Primary School Mundia	Substantial	Moderate	Substantial
64.	W28-P1	Open Land besides Kanganwal graveyard near police station (Amrut)	Substantial	Low	Substantial
65.	W30-P4	Dhandari Park Amrut	High	Substantial	High
66.	W29-P1	Indra Colony Park sua road (Amrut)	Substantial	Low	Substantial
67.	W30-P3	Gaispura Mini rose garden 1	Moderate	Low	Moderate
68.	W30-P2	Gaispura Mini rose garden 2	Moderate	Low	Moderate
69.	W30-P4	Lohara Dhaba Disposal Amrut	Substantial	Moderate	Substantial
70.	W30-P5	Dhaba Shamshan Ghat Amrut	Substantial	Substantial	Substantial
71.	W37-E1	Langar Hall Village Dhabba	High	Low	High
72.	W30-P1	Open Land opp. Indian oil petrol pump Gaispura mini rose garden	Low	Low	Low
73.	W31-P1	Gaispura flat-1	Low	Low	Low
74.	W31-P2	Gaispura flat-2	Low	Low	Low
75.	W31-E1	BSUP Flats giaspura	High	Moderate	High
76.	W33-P1	Lohara Shamshan Ghat Amrut	Substantial	Low	Substantial
77.	W35-E1	Garewal Colony	High	Substantial	High
78.	W40-E1	Kot Mangal Singh	High	Substantial	High
79.	W39-P2	Golden Park (2)	High	Substantial	High
80.	W39-P1	Golden Park (1)	Moderate	Low	Moderate
81.	W51-E1	over lock road cycle market	Substantial	Low	Substantial
82.	W51-E2	Dholewal	Moderate	Low	Moderate
83.	W50-E1	Gill Chowk	High	Moderate	High
84.	W47-P1	Lal Quarters Azad Nagar (Abduilpur Basti)	High	Substantial	High
85.	W49-E1	Atam Nagar	High	Substantial	High
86.	W43-E1	Dungri	High	Substantial	High
87.	W44-E1	Urban Estate Dugri Main (Durga Mandir)	High	Substantial	High
88.	W44-E2	Community Center Phase 2	Substantial	Low	Substantial
89.	W45-P1	Dugri Phase 3	Substantial	Low	Substantial





S.No.	ESRs		Risk Classification		Overall Classification
	ESR ID	Locality	Environment	Social	
90.	W46-P1	13. No Tube well Park	Substantial	Low	Substantial
91.	W46-E1	Model Town Gole Market	Substantial	Low	Substantial
92.	W69-E1	Shastri Nagar	Substantial	Low	Substantial
93.	W70-E1	Vishal Nagar	High		High
94.	W71-P1	MCL Land, Govind Nagar, Backside Indoor Stadium	Moderate	Low	Moderate
95.	W71-E1	SBS (Shaheed Bhagat Singh) Nagar Block F	Substantial	Moderate	Substantial
96.	W71-E2	SBS Nagar Block G	Substantial	Low	Substantial
97.	W71-P1	MCL Land Opp keys Hotel Amrut	Moderate	Low	Moderate
98.	W72-P1	Trikona Park, Sunet Village I Block BRS Nagar	Moderate	Low	Moderate
99.	W72-E1	BRS Nagar H Block	High	Substantial	High
100.	W73-E1	Rajguru Nagar Block B T/W	High	Low	High
101.	W74-P1	Citizen Enclave	High	Moderate	High
102.	W74-P2	New Aggar Nagar	High	Moderate	High
103.	W74-P3	Mahavir Enclave	Substantial	Low	Substantial
104.	W74-E1	Shere Punjab Colony	High	Substantial	High
105.	W75-E1	Saraba Nagar, I Block	High	Moderate	High
106.	W75-E2	Saraba Nagar (Kipps Market)	High	Substantial	High
107.	W66-E1	Sant Isher Nagar (New T/W)	High	Substantial	High
108.	W66-E2	Gurudev Nagar No. 1 (Trikoni Park)	Substantial	Moderate	Substantial
109.	W51-E1	Jawahar Nagar 03	Substantial	Moderate	Substantial
110.	W65-E1	Sham Nagar Tankiwala	High	Substantial	High
111.	W66-E1	Club Road	High		High
112.	W76-P1	Nehru Rose Garden	Substantial	Moderate	Substantial
113.	W76-E1	Nehru Rose Garden 2	High	Substantial	High
114.	W76-E2	Rishi Nagar Near Block E	High	Substantial	High
115.	W78-P1	LIT L and Z Block Ashok Vihar	Substantial	Low	Substantial
116.	W77-P2	Income tax dept. Opp Govt School polytechnic college	Substantial	Substantial	Substantial
117.	W82-E1	Kitchlu Nagar	Substantial	Moderate	Substantial
118.	W83-E1	Prem Nagar	Substantial	Moderate	Substantial
119.	W90-P1	Dasera Ground upkar nagar	Substantial	Moderate	Substantial
120.	W80-E1	Haibawal Kalan (near police station)	Substantial	Low	Substantial
121.	W80-P1	Mahveer Jain Colony	High	Substantial	High
122.	W79-E1	Shamshan Ghat Haibwal	High	Substantial	High
123.	W91-E1	Jeenat Colony	High	Substantial	High
124.	W91-E2	Vinod Park Civil City	Substantial	Moderate	Substantial
125.	W94-E1	Jassian Road	High	Substantial	High
126.	W94-P2	Juhi Enclave Park	High	High	High
127.	W94-P1	Kesari Enclave	Moderate	Low	Moderate
128.	W20-E1	Moti Nagar	High	Substantial	High
129.	W21-E1	Saini Colony	High	Substantial	High
130.	W52-E1	Islam Ganj	High	Moderate	High
131.	W53-E1	Kidwai Nagar	High	Moderate	High
132.	W62-E1	Subhani Building- MS Surface SR	High	Substantial	High
133.	W88-E1	Shekhawal	High	Substantial	High
134.	W27-E1	BSUP flats Gaispura Singla Cycle Road	High	Substantial	High
135.	W30-E1	Vishwakarma Park Jaimal Singh Road	Substantial	Moderate	Substantial
136.	W41-E1	Div no. 4 opp police station MS Surface SR	High	Substantial	High


Annexure 25: Location Details of ESRs





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
1	W95-E1	Ashok Nagar	750	<ul style="list-style-type: none"> The currently proposed ESR is positioned within the borders of the Crematoria. A residential building resides on one side of the ESR. On the opposite side of the ESR, an expansive open space interfaces with the Crematoria. 		
2	W95-P1	Akash Nagar	386	<ul style="list-style-type: none"> The proposed ESR is planned to be situated within a compact park measuring approximately 20x40 meters. The park's periphery is encircled by various residential buildings. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
3	W1-P2	Royal City Park	209	<ul style="list-style-type: none"> A fountain present within the park, which is currently not in operation. A property, represented as the 'Kothi', owned by Mr. Vijay Danav, presides directly across from the park. The site is prominently located in close proximity to the Valmiki Temple. 		
4	W89-P2	Netaji Park	881	<ul style="list-style-type: none"> The proposed ESR is intended to be set up within a park encased by a perimeter wall. Multiple residential structures border the external confines of the park. The proposed ESR location may potentially be affected by one Neem tree, one Bel tree, and four Tun trees in the vicinity. An operational tube-well, managed by MCL, is located within the park. Post-construction of the ESR, the overall area of the park may see some restrictions due to its presence. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
5	W89-P3	Sant Rajendra Punjabi Park	596	<ul style="list-style-type: none"> The proposed site is encompassed within a compact, walled park measuring approximately 30x20 meters. A collection of residential edifices forms the outer boundary of the park. An operational tube-well, managed by MCL, is situated within the confines of the park. The park is home to two large Peepal trees and two Tun trees. 		
6	W87-P1	Besides Old Public Toilet GT Road	6631	<ul style="list-style-type: none"> The proposed site is located within a park that runs parallel to the GT Road. A community toilet is conveniently located near the intended site. A municipal solid waste collection and segregation site is also in close proximity to the prospective location, approximately 20 meters away. One border of the proposed site aligns with the GT Road, while the opposite side is dotted with small shops and factories. The site is devoid of encroachments and is safely enclosed within a boundary wall. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<ul style="list-style-type: none"> High Tension (HT) and Low Tension (LT) power lines cross both sides of the park. A quaint temple is situated outside the confines of the park. 		
7	W89-P1	Opposite Church Road	3733	<ul style="list-style-type: none"> The proposed site is strategically positioned within the perimeter walls of a park that runs adjacent to the GT Road. The project site hosts seven relatively small Neem trees. The park is flanked on one side by the GT Road and on the opposite side by a Church and residential zone. 		
8	W85-P1	Shiv Statue GT Road	1456	<ul style="list-style-type: none"> The proposed site is allocated on MCL land adjacent to the Zone-A-4 Office. No residential zones fall within a 500-meter radius of this site. The site is ideally situated with a Shiv temple to the east, the GT Road on the west and southeast sides, an MCL Office on the south, and a road with open space on the north. The Shiv temple is located at an approximate distance of 30 meters from the site, which is crossed over by both HT and LT power lines. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<ul style="list-style-type: none"> An operational Aam Aadmi Clinic and an existing tube-well are also present at this location. 		
9	W84-P1	Manna Singh Nagar	1622	<ul style="list-style-type: none"> The proposed ESR is located within a walled park running parallel to the GT Road. Within the park's confines, ten Eucalyptus trees are on the potential site. An electric cable traverses the park, necessitating relocation for the proposed project. One side of the park is bordered by the GT Road, while the other side is home to the residence of Sri Manna Singh. Approximately 200-300 meters away, a settlement of rag pickers is situated. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
10	W84-E1	Manna Singh Old GT road	1511	<ul style="list-style-type: none"> The proposed site is positioned within a walled park parallel to the GT Road. The park houses an operational tube-well. Along one side of the site is the GT Road, while the other side is a residential area and shops located over 50 meters away. Low Tension (LT) lines, poles, and a transformer are situated within the boundary wall of the plot. 		
11	W59-E1	Daresi Opp Geeta Mandir	8707	<ul style="list-style-type: none"> Notably, two Eucalyptus trees and one Peepal tree reside near the proposed ESR. The site remains free of any encroachments. 		

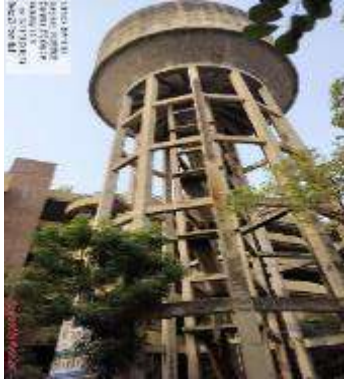

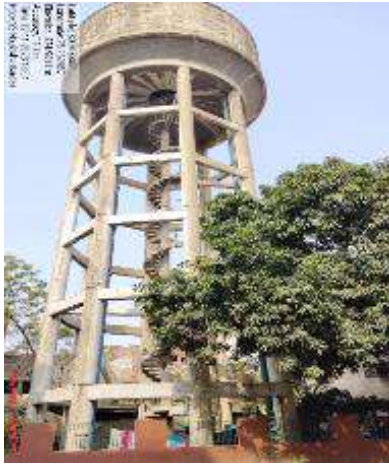

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
12	W59-P1	Geeta Mandir Park Opp Dareshi Ground	14591	<ul style="list-style-type: none"> The office of the Electrical Department is located adjacent to the park's corner. The proposed site is strategically located at one corner of the park. No trees will be impacted at the planned project site. The site remains devoid of any encroachments. Hospital is nearby. 		
13	W59-P2	Geeta Mandir Park Opp Dareshi Ground	14591	<ul style="list-style-type: none"> The proposed ESR site is situated on one side of the Ram Lila Ground and near the Hanuman temple. Two temples are housed within the ground. A charitable hospital, Bhagwan Ram Charitable Hospital, operates on one side of the ground. No trees are currently observed at the proposed ESR site. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
14	W58-P1	Sunder Nagar Park	1492	<ul style="list-style-type: none"> • Adjacent to the park's boundary wall, approximately 22 trees are located. • A Police Chowki is situated outside the boundaries of the park. • Both residential and commercial buildings are present outside the park's confines. • An operational tube-well is located within the park's boundary. 		
15	W10-E1	Subhas Nagar	5006	<ul style="list-style-type: none"> • One operational and one non-operational tube well are situated within the park. • The land the site resides on belongs to MCL. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
16	W7-P1	Chandralok Colony	615	<ul style="list-style-type: none"> The proposed site is located in a park on MCL Land. The full area surrounding the site is residential. There are small shrubs present on site, but no trees will be impacted. 		
17	W6-P1	Gehlewal Pond, Besides Galliveli School (1)	1040	<ul style="list-style-type: none"> Two ESRs are proposed to be located on the premises of Government Primary School, Gehlewal. No trees are present at the proposed ESR site. One side of the ESR is flanked by residential buildings. Due to the proposed expansion of the school, the site is currently not deemed feasible for ESR construction. This was suggested by both the school head and local residents. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
18	W6-P2	Gehlewal Pond, Besides Galliveli School (2)	1040	<ul style="list-style-type: none"> Two ESRs are proposed to be located on the premises of Government Primary School, Gehlewal. No trees are present at the proposed ESR site. One side of the ESR is flanked by residential buildings. Due to the proposed expansion of the school, the site is currently not deemed feasible for ESR construction. This was suggested by both the school head and local residents. 		
19	W4-E1	Basant Vihar	417	<ul style="list-style-type: none"> The ESR is situated in a small open ground owned by MCL. Both sides of the ESR are surrounded by residential buildings approximately 5-20 meters away. No trees, save small shrubs, are observed near the existing ESR. A local court order prohibits any construction activities in this area, as it has been declared a park. The court's order is publicly displayed on a wall in the park. Any construction activity initiated by a governmental or non-governmental institution would be considered as contempt of court. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
20	W3-P1	Panchsheel Park	645	<ul style="list-style-type: none"> The proposed site is located in a small park within the residential area of Basant Vihar, of which the land is owned by MCL. An operational tube-well is present within the park. The park is frequented by locals and children for various activities such as playing, yoga, sitting and walking. Five trees, including one Neem and one Banyan tree, are located within the park. One Tun and one Neem tree may be affected due to the proposed ESR. The local residents have expressed their disapproval of the proposed ESR in the park, suggesting an alternate location near ESR No. 19 (existing). 		


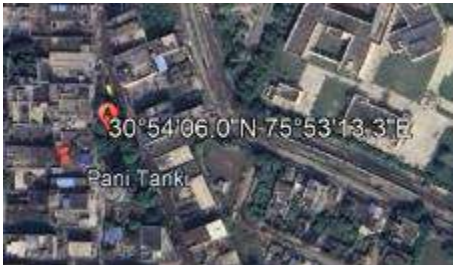


S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
21	W64-E1	Town Hall	1517	<ul style="list-style-type: none"> The land on which the non-operational ESR is situated belongs to MCL and is located near the MCL Office, Zone-A. One side of the ESR is flanked by the multilevel car parking area of MCL, while the other side faces the Zone-A Office. The Chauda Bazar sits near the ESR, outside of its boundaries. 		
22	W62-E1	Naulakha Garden	946	<ul style="list-style-type: none"> The existing ESR is situated on one side of a small park. One side of the ESR faces the DD Jain School, two sides are bordered by residential buildings, and one side opens up to the park. The area surrounding the ESR is notably congested. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
23	W58-P2	Shefali Park Sundernagar		<ul style="list-style-type: none"> The proposed site is a well-maintained and beautiful small park of approximately 100x30 meters, maintained by local residents. The park's outskirts are housing a residential area. No major trees are located within the park. Within the park's boundaries, there's an Aam Admi Clinic and a non-operational tube-well. A school and a Dharamshala are situated outside the park's boundary. The local residents and park users may oppose the construction of ESR. 		
24	W57-P1	Street No. 5 Kashmir Nagar Chowk	2238	<ul style="list-style-type: none"> The proposed land is located in a mixed-use area with both residential and commercial properties. A functional tube well is present on the site. The land is claimed to be privately owned, with the ownership confirmed following a legal dispute resolved in 2018. The area around the land functions as a marketplace during the hours of 9 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				am to 9 pm, supporting a community of approximately 32-40 vendors.		
25	W54-P1	Open land opp. Old Jail	4568	<ul style="list-style-type: none"> The current site is being used as a dumping ground for municipal solid waste. An operational tube-well belonging to MCL is present. One side of the proposed site neighbours a Civil Hospital & Children's Park, while a Dental College is situated on the other side. There are no residential areas in close proximity to the site. The site is polluted due to the dumping and segregation of municipal solid waste. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
26	W54-P2	Childrens park near old jail	2526	<ul style="list-style-type: none"> The proposed site is located on one side of a Children's Park. The park, maintained well by MCL, serves as a venue for morning walks, evening walks, yoga, and gym activities. The site occupies an area of approximately 5-6 acres. There are no trees to be cut down at the proposed location of the ESR. Bordering one side of the site is a Civil Hospital, while an Electrical Board Office lies on the other side. An electric wire runs close to the proposed ESR. A petrol pump exists outside the park's boundary. 		
27	W53-P1	Shahidi Park Kidwai Nagar Sub Zone B1	11127	<ul style="list-style-type: none"> A Senior Citizen Home is located adjacent to the proposed ESR site. The park is owned by MCL. Two trees may be impacted during the construction phase. A bank and a college are situated in proximity to the site. Local residents are in favour of the project. 		




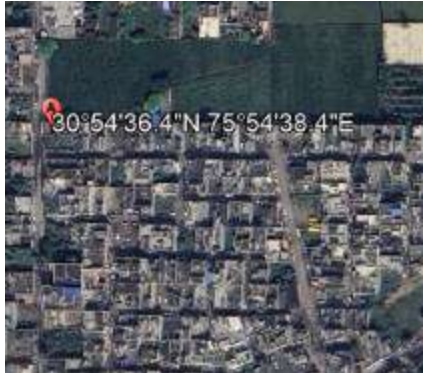
S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<ul style="list-style-type: none"> The construction workers should ensure that the nearby residential area and its residents are not negatively impacted by the construction work. 		
28	W20-P2	Guru Angaddev Park, Janakpuri tea point	2155	<ul style="list-style-type: none"> The proposed ESR is located near a state highway. The park, which houses an operational tube well, belongs to MCL. The park is located within an industrial area. The access to the nearby industry may be affected during the ESR's construction phase. 		
29	W20-P1	NHK park near Cheema Chowk	2974	<ul style="list-style-type: none"> The proposed ESR is situated near a state highway. The park, equipped with a functional tube well, belongs to MCL. The park is set in an industrial area. The nearby industries' access may be impacted during the ESR's construction phase. An electric wire runs through the park. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
30	W21-P1	Saini Colony	1968	<ul style="list-style-type: none"> The park is situated in Ward No. 28 in the Saini Colony. The land is owned by MCL, spanning a total of 1000 square yards with six electrical transformers. The proposed site consists of a boundary wall and is home to numerous shrubs and greenery along with two small trees. Residential buildings and another site are located across the road, in close proximity to the park's boundary wall. A 20-foot road can be found at the park's front sides. 		
31	W21-E1	Kirti Nagar Sector 39 A	2732	<ul style="list-style-type: none"> The current ESR, located on MCL land within the boundary wall of a park along the GT Road, has been non-operational for the past decade. An operational tube-well is located within the park. One side of the ESR faces Kirti Nagar Road, while a residential area and shops, positioned more than 50 meters away, flank the other side. There are four trees within the confines of the park. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
32	W19-P1	LIG Flat Park Green Land School	6918	<ul style="list-style-type: none"> The proposed site, located in the park amongst the LIG Flats in a residential area. The proposed ESR site is in the LIG Flats Park, which is situated in a residential area. The LIG Flats Park, where the site is proposed, is frequented by local residents and children. The park does not have any major trees, only small shrubs are present. 		
33	W16-E1	Main Water Works Sector 32	1380	<ul style="list-style-type: none"> The site is proposed in Main Water Works Sector 32-A in Residential area. The proposed site for the ESR is situated in the Main Water Works Sector 32-A, a residential area. An old, non-functional ESR that has been in place for around 40-45 years already exists in the park. There is a colony towards the left of the site. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
34	W16-E2	New Water Works Sec 32 A	6873	<ul style="list-style-type: none"> The proposed site is located in the Main Water Works Sector 32-A in a residential district. An Elevated Service Reservoir (ESR) is currently functional at the site. Local residents have expressed full support for the project, especially if it guarantees a 24-hour supply of treated water. 		
35	Proposed	CRPF	NA	<ul style="list-style-type: none"> The proposed ESR site is under GLADA's ownership. The possession of the Land is with MCL only. 		
36	W14-P2	Tanki Vala Park B1-C	11307	<ul style="list-style-type: none"> The proposed ESR site is situated in a park on MCL land. The park is located within a residential area. The land where the site is being proposed belongs to MCL. The local residents have expressed their full support for the ESR if it can guarantee a 24-hour supply of treated water. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<ul style="list-style-type: none"> There are vendors outside the ESR site along with two eucalyptus trees nearby 		
37	W13-P1	Goushaala Tibda Road	2329	<ul style="list-style-type: none"> The proposed site for the ESR is located on Trust land along Tibba Road. There are several existing structures and features on the site including a cowshed housing 652 cows, and a community hall built recently for marriage functions. A high-tension line passes through the Goushala extending toward the new national colony. Expressions of support have been given for the construction of the ESR on this site contingent upon obtaining the necessary permissions. 		
38	W15-P1	Kuliewal, New National Colony	3004	<ul style="list-style-type: none"> The site proposed for the ESR is located on MCL Land in the New National Colony, a slum area. An Elevated Service Reservoir (ESR) currently exists on the site but is non-functional. The proposed site is also shared by 60 to 70 handcraft vendors and serves as a vegetable market on Tuesdays and 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<p>Saturdays, resulting in a significant garbage problem due to waste being discarded on the road.</p> <ul style="list-style-type: none"> A high-tension line runs over the MC land, adding another notable feature to the surrounding area. 		
39	W13-E1	Prem Vihar	971	<ul style="list-style-type: none"> The site for the proposed ESR is located in Prem Vihar, an area with both residential and commercial properties. At present, the site hosts a non-functional Elevated Service Reservoir (ESR). The site is in close proximity to a Shiv temple on the right of the ESR, while an electricity plant 33/66 KV is being built on its left side. 		
40	W25-P1	Ansal Enclave Park	25655	<ul style="list-style-type: none"> The proposed ESR site is owned by MCL. Mr. Jatinder Pal, the Ansal Enclave President, has voiced support for the construction of an ESR on this site, ensuring that there will be no objections to its construction. 		


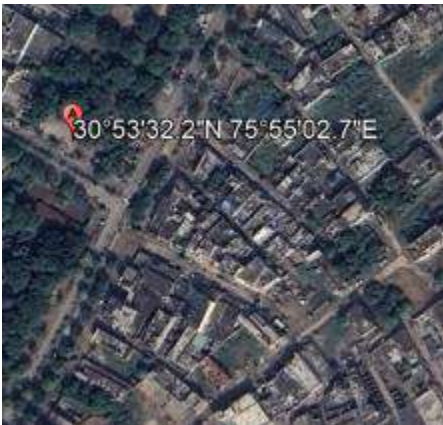


S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
41	W16-P1	Land Opposite Govt. Primary School, Bhamian Road	1613	<ul style="list-style-type: none"> Proposed ESR site is located in a park on MCL land, which is situated in a residential area. The park is populated with small shrubs and does not house any major trees. 		
42	W16-P2	Sector 33 Park	2239	<ul style="list-style-type: none"> The proposed site for the ESR is situated in Sector 33 Park in a residential area. The park, which is maintained by GLADA, serves as a recreational area. The park has small shrubs with no significant trees present. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
43	W25-P2	Trikona Park, Bhamia Road	26944	<ul style="list-style-type: none"> The proposed ESR site is located in Trikona Park, which is a mixed residential and commercial area. This area hosts 20 to 25 commercial shops and residential spaces. Locals have expressed a desire for the park to be further developed. 		
44	W18-E1	Opposite Dental College, Sector 40	8608	<ul style="list-style-type: none"> The existing ESR is located within a park owned by the Greater Ludhiana Area Development Authority. The park spans 5 acres and hosts 6 trees. The ESR structure, which is 40 years old and has been non-operational for the last 20 years, is set in a location surrounded by residential areas, with a nearby Dental College. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
45	W18-P1	Vishwakarma Colony Park	1545	<ul style="list-style-type: none"> The proposed ESR site is in a boundary-walled park along Vishwakarma Colony Park, owned by the MCL. This park, where a functional tubewell is present, is used by the public. Four trees are situated within the boundary of the proposed project site. The park faces Market Road on one side and factory area on the other. 		
46	W24-E1	Phase 4A Metro Road	15456	<ul style="list-style-type: none"> The proposed ESR site, owned by the MCL, features a few trees (including mango and peepal trees, along with beri trees) that might be affected during repair work. On the property is an Elevated Service Reservoir (ESR) that is over 30 years old. There is also a functional tubewell on site. The nearby Mohalla medical clinic, which sees 150-200 patients daily, reports that fungal diseases are commonly observed in the locale. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
47	W25-E1	Jamalpur disposal point	3224	<ul style="list-style-type: none"> The proposed ESR site, owned by MCL, currently hosts a non-functional ESR that has been present for 20-30 years and an operational tube well. The park, serving as a place for activities including for people which may be affected during the ESR's renovation. Nearby structures like a residential building and an electricity transformer might also be affected during the demolition of the ESR. 		
48	W27-E1	BSUP Flats MC Flats	3224	<ul style="list-style-type: none"> The proposed ESR site is located in the BSUP/MC Flats residential area and is owned by MCL. Local residents are supportive of the project, particularly if it means receiving a 24-hour supply of treated water. There is significant dissatisfaction among the residents concerning the current water supply from the BSUP/MC flat or the ESR tank due to its poor quality. The residents, living in approximately 700 to 750 houses in close proximity. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
49	W27-P1	BSUP Flats MC Flats	7587	<ul style="list-style-type: none"> The proposed ESR site is located in the BSUP/MC Flats residential area and is owned by MCL. Local residents are supportive of the project, particularly if it means receiving a 24-hour supply of treated water. There is significant dissatisfaction among the residents concerning the current water supply from the BSUP/MC flat or the ESR tank due to its poor quality. The residents, living in approximately 700 to 750 houses, in close proximity. 		
50	W24-P1	Park Opp. Veer Palace	26545	<ul style="list-style-type: none"> The proposed ESR site is located in a well-maintained park property of GLADA Land. This park is frequented by local residents and children for activities such as sitting, walking and playing. The park is dotted with small shrubs, with no major trees located at the proposed site. There is a functioning tube well in the park. Facing the proposed ESR site is a state highway, with the Jain Hospital and 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				Jain School in its proximity, albeit at a distance away.		
51	W24-E2	Urban Estate Phase II	26545	<ul style="list-style-type: none"> The proposed ESR site is within a park belonging to GLADA. In that park, there is a non-functional ESR that has been in existence for 40 to 45 years, along with an operational tube well. The park faces 30 to 35 commercial shops, though they will not be impacted by the project. Seven eucalyptus trees and one pipal tree might be affected by the project. There is also a residential structure in proximity to the site. 		
52	W24-P1	Buddha Park Near Jivan Nagar	6851	<ul style="list-style-type: none"> The proposed ESR site is located in a well-maintained park on GLADA Land. The park, which houses a functional tube well, is used by local residents. The project may impact five trees present in the park. The park borders a state highway. The local residents are supportive of the project, especially if it can mean receiving a 24-hour supply of treated water. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
53	W27-E2	Phase 8 Focal Point	1825	<ul style="list-style-type: none"> The existing ESR is 30 to 35 years & not operational since last 10-12 years and was built on MCL land. There is a tube-well that is operational. The LT line is also going and the high-tension line is also going and there is a tube well nearby which belongs to the industrial area people. It keeps flowing all the time due to which the entire land is getting filled with water. There is an entire industrial area, with their own tube well installed. 		
54	W23-E1	Urban Estate Phase I	21686	<ul style="list-style-type: none"> ESR is on MCL land. There is one functional tube well. School is near the ESR location. ESR is nonfunctional 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
55	W23-E2	Focal Point Opp. Thana	7117	<ul style="list-style-type: none"> The non-operational ESR, located on MCL land, has remained unusable for the last 30 years. This ESR is situated on open land in Ward No. 23, Ludhiana, near the Monte Carlo Factory and Wardham Steel Factory. The area of the site measures 700 square feet. An electric cable crossing the site would need to be relocated for the project. There are three trees within the proposed project site. 		
56	W23-E3	Phase 3 near Coca Cola factory	893	<ul style="list-style-type: none"> The existing ESR is located within the Punjab state industrial development corporation (PISCE) land. The owner of the land is the Punjab State Industrial Development Corporation (PSIDC). ESR was constructed 40 years ago and has not been operational for the last 16 years. There are Industrial Area all around ESR, and the Coca cola Godown is located near it. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
57	W22-E1	Sherpur Zone B2	5455	<ul style="list-style-type: none"> The existing ESR is located in the open land, and it is behind Cancer Hospital, near public Sulabh toilet. The landowner is MCL. Within 200-meter area gurudwara and school is present. One side of the ESR is MCL office and yard heavy vehicle another side is a market. 		
58	W28-E1	Focal Phase 5	7753	<ul style="list-style-type: none"> The proposed ESR site is located in an industrial area at Focal Phase 5, owned by MCL. The site contains a functional tube well and a pipal tree. At the back of the site is the Emson gear factory, which has been closed for a year. Nearby are some shops and street vendors, about 20 to 25 meters away. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
59	W28-E2	Phase 6 Police Chowki	10114	<ul style="list-style-type: none"> The existing ESR is 30 to 35 years & not operational since last 10-12 years and was built on MCL land. There is a tube-well that is in operational. Water supply is from 5 to 9:30, & 6 to 9 in the evening, there is no water borne disease. There is 3 to 4 Eucalyptus tree near the ESR. There is an industrial area, having individual personal tube wells. 		
60	W28-E3	Focal Phase 7	5527	<ul style="list-style-type: none"> The currently non-operational ESR is located within a park on MCL-owned land, where it has been for the last 40-45 years. There are two non-operational tube wells also located in the park. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
61	W28-P1	Durga Colony	592	<ul style="list-style-type: none"> The proposed ESR site is located in Durga Colony, a mixed residential and industrial area. The site, owned by MCL, has a functional tube well. There are issues with garbage disposal at the site, which has resulted in the area becoming swamp-like and filled with waste. The site is adjacent to commercial shops, an industrial building on the right, and a residential area on the left. 		
62	W27-E3	34- Acre Existing ESR Phase 8	11123	<ul style="list-style-type: none"> The site is proposed in park of MCL Land. The ESR built is under construction The area is industrial. There is small shrubs There is rim industry and agarson industry nearby, opposite to the road is rock man industry. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
63	W27-P3	MCL Land 34 Acre Focal Point	7175	<ul style="list-style-type: none"> The proposed ESR site is situated in a park on MCL-owned land, where it's currently under construction. The area can be classified as an industrial zone. Small shrubs are present on the site. Notable nearby industries include the Rim Industry and Agarson Industry, while the Rock Man Industry is located across the road. 		
64	W27-P4	Fortis Hospital	994	<ul style="list-style-type: none"> The proposed ESR site is located in a park on MCL Land. On the site, there is a non-operational tube well. About three trees on the site might be affected by the project. A cremation site is located on Corporation land and Satsang land is nearby. Fortis Hospital is situated on the main road. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
65	W27-P2	Land Opposite Government Smart Primary School Mundia	5421	<ul style="list-style-type: none"> The proposed ESR site is located in a small, well-maintained park set in a residential area, owned by MCL. The park, which houses a functional tube well and small shrubs, is frequented by local residents. A school is located in front of the park. The surrounding area is a densely populated residential zone. 		
66	W28-P2	Open Land besides Kanganwal graveyard near police station	1570	<ul style="list-style-type: none"> Open Land Kangwal Garav. It is in Industrial area. There are a total of 10 trees in the park, including Bakan/Neem and Bargad trees. 		

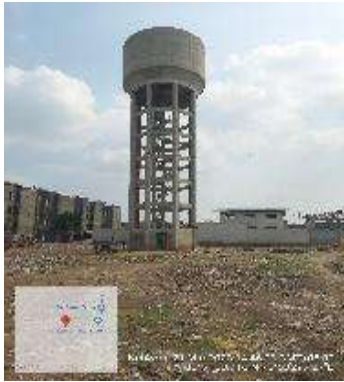

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
67	W30-P4	Dhandari Park	7623	<ul style="list-style-type: none"> The proposed ESR site is located in a mixed area comprised of residential and factory zones. The site, a park, hosts a total of four trees including Bargad, Bakan/Neem, Shisham, Guava, Jamun Anar, and Losada. A government clinic is situated close to the proposed ESR location. 		
68	W29-P1	Indra Colony park sua road	12751	<ul style="list-style-type: none"> It is proposed in park area. There are a total of 6 new trees in the park of Pipal Bakan Banana and Losada 		


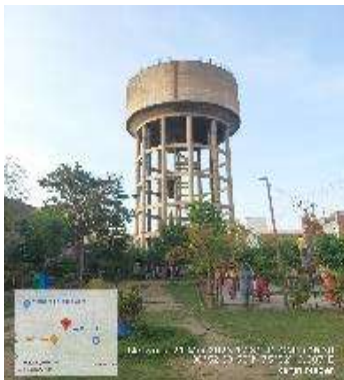
S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
69	W30-P3	Gaispura Mini rose garden 1	12751	<ul style="list-style-type: none"> The proposed ESR site is located within the Gaspura Mini Rose Garden, which spans an area of around 3.5 acres. The Mini Rose Garden, owned by MCL, has recently been renovated under the Smart City Mission. There are six trees present in the garden. 		
70	W30-P2	Gaispura Mini rose garden 2	61.7	<ul style="list-style-type: none"> The proposed ESR site is located within the Gaspura Mini Rose Garden, which spans an area of around 3.5 acres. The Mini Rose Garden, owned by MCL, has recently been renovated under the Smart City Mission. There are six trees present in the garden. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
71	W30-P6	Lohara Dhaba Disposal	1908	<ul style="list-style-type: none"> The proposed ESR site, owned by the MCL, is located in Lohara Daba Disposal Amrit and spans approximately 500 square yards. The site is currently used by tankers to dump sewage water. A Daba Shamsanghat is located near the site. The site is bordered by a residential area and a factory area on three sides. There are four Peepal trees at the proposed site. 		
72	W30-P5	Dhaba Shamshan Ghat	1299	<ul style="list-style-type: none"> The proposed ESR site is located near a residential area and factory. The site, a park, hosts a total of ten trees including Pipal, Bakan, Banana, and Losada types. The ESR is proposed to be placed in a crematorium. 		


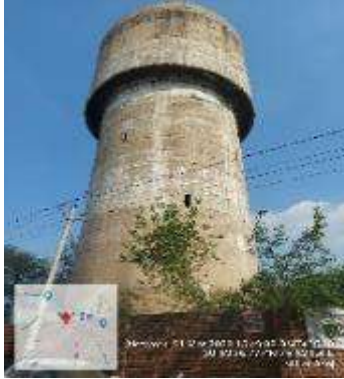
S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
73	W37-E1	Langar Hall Village Dhabba	722	<ul style="list-style-type: none"> The ESR site, owned by MCL, has been non-operational for the last 15 years. Around the site, two Bargad trees, one Lal Kaner tree, one Losada tree, two Kesha trees, two Sahatut trees, two Neem, and Geloi trees were noted. The site is free from encroachments. 		
74	W30-P1	Open Land opp. Indian oil petrol pump Gaispura mini rose garden	19608	<ul style="list-style-type: none"> The proposed ESR site is an open piece of land, owned by MCL, located opposite an Indian Oil petrol pump. The local community has expressed disagreement with the proposed scheme on this land. The site has been under legal dispute for the last 25 years. 		

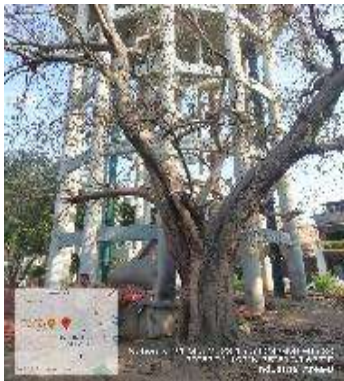

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
75	W31-P1	Gaispura flat-1	19608	<ul style="list-style-type: none"> The proposed ESR site is situated on land owned by MCL. Close to the site, the water supply from MCL's tube well has been reported to have high TDS levels and is deemed to be not good. The water supply is often interrupted due to frequent pump breakdowns, and the low pressure prevents storage in rooftop tanks. An additional challenge at this location is the constant issue with blocked sewage lines. 		
76	W31-P2	Gaispura flat-2	4238	<ul style="list-style-type: none"> This proposed site is open land behind the flats, on Dhaba Lohara Road. The land on the site belongs to MCL. It is more than 50 years old. During public consultation new ESR, the local people agreed with the proposed plan. Here people collect garbage from the city and bring it here and segregate them and select useful items. 		



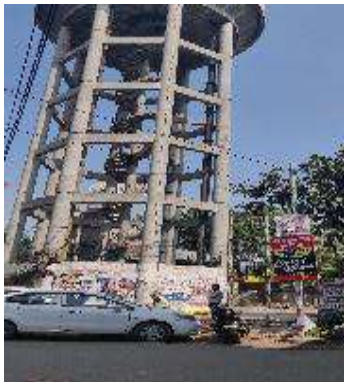

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
77	W31-E1	BSUP Flats Gaspura	248	<ul style="list-style-type: none"> The proposed ESR site is located at BSUP Flats Gaspura, on land belonging to MCL. An ESR was constructed on this site in the year 2008. 		
78	W33-P1	Lohara Shamshan Ghat	367	<ul style="list-style-type: none"> The proposed ESR site is located at Lohara Shamshan Ghat, which is on land owned by MCL. Approximately ten trees of species Bakan/Neem and Bargad Neem may be impacted during the ESR construction. 		



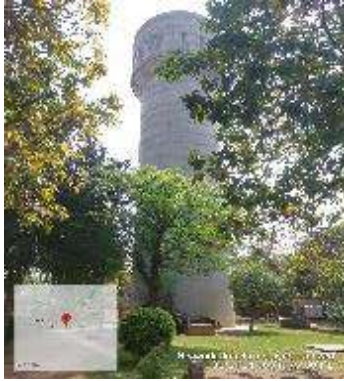

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
79	W35-E1	Garewal Colony	1659	<ul style="list-style-type: none"> The proposed ESR site is on land that belongs to MCL. The site, which is more than 20 years old, is operational and is used to fill MCL water tankers. It also supplies water to the nearby market area. There are 12 trees in the park near the ESR: Bakan/Neem, Bargad Neem, Ashoka, and Mango trees. Local residents want to demolish and rebuild a new ESR in place of the existing non-functional one. The site is free from encroachment. 		
80	W40-E1	Kot Mangal Singh	8287	<ul style="list-style-type: none"> The proposed ESR site, which belongs to MCL, has been non-operational for the last 10 years, although it's over 50 years old. In terms of vegetation, the site hosts seven Bakan/Neem trees, eight Bargad trees, twelve Lal Kaner trees, and eight Peepal trees. The site is free from encroachments. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
81	W39-P2	Golden Park (2)	8287	<ul style="list-style-type: none"> The proposed ESR site is located within a park that belongs to MCL. During a public consultation for a new ESR, the local people disagreed with the plan. The park, which houses the site, is bordered by a school on the left side, a 10-foot path on the right side, and a factory and shops in front of the park. 		
82	W39-P1	Golden Park (1)	2559	<ul style="list-style-type: none"> The proposed ESR site is located within a park that belongs to MCL. The park, which houses the site, is bordered by a school on the left side, a 10-foot path on the right side, and a factory and shops in front of the park. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
83	W51-E1	over lock road cycle market	991	<ul style="list-style-type: none"> The park is bordered on the left by a school, on the right by a 10-foot path, and directly in front by a factory and several shops. 		
84	W51-E2	Dholewal	3801	<ul style="list-style-type: none"> The land of the site belongs to MCL. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
85	W50-E1	Gill Chowk	1095	<ul style="list-style-type: none"> The proposed ESR site is located on land owned by MCL. There are a total of ten trees near the ESR, including Bakan/Neem, Bargad Neem, Ashoka, and Mango trees. The site is free from encroachments. 		
86	W47-P1	Lal Quarters Azad Nagar (Abduilpur Basti)	498	<ul style="list-style-type: none"> The local residents were not initially aware of the proposed ESR, as the location previously had an Elevated Service Reservoir (ESR), which was demolished due to leakage issues. It is currently maintained as a park. The proposed ESR would impact two trees an Arjuna (<i>Terminalia arjuna</i>) tree with a girth more than 8m and a Windmill Palm Tree (<i>Trachycarpus fortunei</i>). The plan includes transplanting these trees by the contractor. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
87	W49-E1	Atam Nagar	460	<ul style="list-style-type: none"> The existing ESR is not functional due to poor conditions and is planned to be demolished and replaced with a new one. Approximately 10 trees of species like Ashoka, Arjuna, Peepal, and Neem with a girth more than 8m might be impacted due to this demolition. 		
88	W43-E1	Dungri	1061	<ul style="list-style-type: none"> The existing but non-operational ESR is located near Sheetla Mata Mandir, with a part of it falling under Zone C and the other under Zone D. Three tube wells in the vicinity are being used by the surrounding localities and shopkeepers. There is no need for demolition as the ESR is still structurally sound but requires maintenance. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
89	W44-E1	Urban Estate Dugri Main (Durga Mandir)	6266	<ul style="list-style-type: none"> The existing ESR is used for storage and is utilized for water supply in case of emergencies in nearby localities. Regular water supply from the ESR is currently not done due to minor leakage from one of the pipes and the presence of Dissolved Organic Matter in the reservoir. . 		
90	W44-E2	Dugri Community Center Phase 2	1589	<ul style="list-style-type: none"> The existing ESR is located in proximity to a Community Centre, a School, residential areas, and the Ring Road. Roadside plantation is observed near the ESR, contributing to the green environment around it. The ESR is currently in operation, with one-time water supply done per day, indicating its accessibility for the locality. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
91	W45-P1	Dugri Phase 3	5109	<ul style="list-style-type: none"> The proposed ESR site is located in a corner inside a park, indicating it's integrated into a calm and green environment. The location of the ESR in the park's corner means no tree cutting is necessary, preserving the green surroundings. 		
92	W46-P1	13. No Tube well Park	3886	<ul style="list-style-type: none"> The ESR is proposed to be positioned in the corner of a park. The location of the ESR may affect large canopy trees such as one Arjuna tree and one Neem tree, intending to preserve them through transplantation. There are two non-functioning tube wells in the park near the proposed ESR site. The site is situated near the Sidhwan Canal, which flows parallel to the park and is within a 500m distance. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
93	W46-E1	Model Town Gole Market	4880	<ul style="list-style-type: none"> The existing ESR, which is currently not in use due to the necessity for maintenance, is located in an area accessible to the public. There is one tube well located in the same park where the ESR is situated. 		
94	W69-E1	Shastri Nagar	705	<ul style="list-style-type: none"> The existing ESR is not operational and is located near a transmission line and trees. The ESR will undergo a reconstruction process as the beam structure is broken, although the reservoir is still in a condition good enough to store water. Because of the ESR's location, namely its proximity to trees, the rebuilding process may affect approximately 8 trees. These include one Kikar tree, five Arjuna trees, and two Neem trees. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
95	W70-E1	Jawaddi Kalan, Vishal Nagar	2660	<ul style="list-style-type: none"> The existing ESR, located within a park and near an operational tube well, has been non-operational for 30 years due to leakage. Residents living close to the ESR currently fulfill their water needs using submersible tube wells installed in their homes. The location and state of the ESR are subject to conversations with residents, discussing the project's benefits, including potential improvements to the groundwater level and the area's water scarcity. 		
96	W71-P2	MCL Land, Govind Nagar, Backside Indoor Stadium	1779	<ul style="list-style-type: none"> The proposed ESR is planned within the MCL land, which is adjacent to the Improvement Trust Land. Residents living in the vicinity of the proposed ESR fulfill their water needs through tullu pumps, and don't have submersible tube wells installed in their homes. The proposed site has two trees with more than an 8-meter girth, including species of Dek and Siris, and mostly shrubs that may be affected during the ESR construction. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
97	W71-E1	SBS(Shaheed Bhagat Singh) Nagar Block F	2780	<ul style="list-style-type: none"> The existing ESR, located within a park and adjacent to a tube well, has been non-operational for 20 years. The tube well, originally fitted with a 20 HP submersible pump, has been updated with a 40 HP vertical pump due to the low water level in the region. 		
98	W71-E2	SBS Nagar Block G	3637	<ul style="list-style-type: none"> The existing ESR, located within a park and adjacent to a tube well, has been non-operational for 20 years. The tube well has had a 20 HP submersible pump replaced by a 40 HP vertical pump, due to the region's low water level. The benefits of the project, including potentially improving the already low groundwater levels and the area's future water scarcity, have been discussed with the residents. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
99	W71-P1	MCL Land Opp keys Hotel	5255	<ul style="list-style-type: none"> The proposed ESR is located on MCL land, where there is one tube well that currently supplies water to nearby localities three times daily. The site is situated along the BRS Bypass Road, where roadside plantations of Amaltas trees have been maintained, and new plantations of the same species have been established in the proposed site. 		
100	W72-P1	Trikona Park, Sunet Village I Block BRS Nagar	1700	<ul style="list-style-type: none"> The proposed ESR site is located in Tirkona Park, Sunet village, within municipal ward no. 72. The ESR is intended to be within the boundary wall of Tirkona Park, which falls along the Sunnet Village. The land where the ESR is proposed is owned by MCL and spanning 2000 sq. yards The site is characterized by abundant shrubs and greenery within the park. Seven small trees are located at the proposed project site. The park is situated between a market on one side and a residential area on the other. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
101	W72-E1	BRS Nagar H Block	1212	<ul style="list-style-type: none"> The existing ESR is approximately 47 years old and is partially operational. Local residents and shopkeepers rely on water from approximately ten nearby tubewells, which provide water three times a day. 		
102	W73-E1	Rajguru Nagar Block B T/W	1662	<ul style="list-style-type: none"> The existing ESR, currently non-functional, has been situated within a park for 20 years, adjacent to a tube well. Residents receive water three times a day, but concerns about water quality have been raised. In addition to this, residents use submersible tube wells installed at their homes for their personal water needs. The ESR may require substantial renovation or potentially demolition to restore its full functionality. There are two large Dek trees with a girth more than 8 meters, and other 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<p>smaller ornamental trees in and around the park which may be affected during the construction or re-establishment of the ESR at this location.</p> <ul style="list-style-type: none"> • Consultations have been held with local residents about the benefits of the project, including potential improvements to the ground water level and the alleviation of future 		
103	W74-P1	Citizen Enclave	755	<ul style="list-style-type: none"> • The existing ESR, located within a park and next to a tube well, is currently not operational. • Residents receive water three times a day, however, there are concerns regarding the water quality. • For their personal water needs at home, residents rely on submersible tube wells. • To restore the functionality of the ESR, it requires proper maintenance and renovation work. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
104	W74-P2	New Aggar Nagar	996	<ul style="list-style-type: none"> The existing ESR, which is partially operational, is not under the control of MCL but is operated by society. Local residents receive water supply three times daily, although concerns have been raised about the quality of this provision. The park is home to the operator of the ESR. The construction activity for the proposed ESR will have an impact on the residence of the operator. A barren land plot is available within the society, the land remains unused. 		
105	W74-P3	Mahavir Enclave	1521	<ul style="list-style-type: none"> The proposed ESR is planned to be located within a park, next to a tube well. Its placement ensures enough space to bypass any impact on existing trees in the park's corner during construction. The local residents fulfill their domestic water needs by using submersible tube wells installed in their homes.. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
106	W74-E1	Shere Punjab Colony	2136	<ul style="list-style-type: none"> The existing ESR at the proposed site is not operational, but there is one operational tube well present within the park. Nearby localities rely on this tube well, which is available three times a day, and on submersible pumps in their households for their domestic water needs. 		
107	UGSR-1	Leisure Valley Park	NA	NA	NA	NA
108	UGSR-2	Rose Garden	NA	NA	NA	NA
109	W66-E1	Sant Isher Nagar (New T/W)	1313	<ul style="list-style-type: none"> The existing ESR, located on the Improvement Trust land handed over to MCL 40 years ago, is operational. The ESR is surrounded by trees in the vicinity, hence will involve tree cutting at the time of demolition. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
110	W51-E3	Jawaharnagar 03	1779	<ul style="list-style-type: none"> The existing ESR, placed in the Ramlila ground 50 years ago and accompanied by a Shiva temple, is not operational due to leakage. However, there is an operational tube well on site. Ten trees, including species of Dek, Siris, Bargad, Peepal, Belpatra, Shisham, Aam, Toot, Chukrasia, and Beri, are expected to be impacted during the construction or renovation of the ESR. 		
111	W65-E1	Sham Nagar Tankiwala	4114	<ul style="list-style-type: none"> The park, surrounded by residential areas and shops that stand over 50 meters away from the ESR, also contains another operational tube well. The proposed ESR site houses two Neem trees, two Peepal trees, and four other trees. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
112	W66-E3	Club Road	34111	<ul style="list-style-type: none"> The existing ESR has not been operational for the last 40 years and was built on MCL land. It is within the boundary walls of a park. There is a tube well inside the park which is in working condition. The park is surrounded by residential areas and shops, which are more than 50 meters from the ESR. There are two Neem trees, two Peepal trees and 4 other trees at the proposed ESR site. 		
113	W76-P1	Nehru Rose Garden	34111	<ul style="list-style-type: none"> The proposed ESR is to be established in the Rose Garden, a spacious area spreading over 30 acres of land. The land is owned by MCL and houses an operational tube well. The proposed ESR location may impact one Neem tree, one Bel tree, and four Tun trees present. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
114	W76-E2	Rishi Nagar Near Block E	9500	<ul style="list-style-type: none"> The proposed site for the ESR project is located on MCL land, adjacent to the Zone-D Office. The site falls under ward No. 78 and spans over an area of 1000 square yards. There are numerous shrubs and greenery within the site, with two small trees situated at the proposed ESR project location. The site is bordered by a residential area and another site, separated by a 30-foot road. 		
115	W78-P1	LIT L and Z Block Ashok Vihar	6099	<ul style="list-style-type: none"> The proposed ESR is planned to be located within a walled park, on land owned by the Ludhiana Improvement Trust. There are residential buildings adjacent to the wall on one side of the park. The park is small, but well-maintained and used by locals. One Neem tree, one Bael tree, and four other trees are located at the proposed ESR site. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
116	W77-P2	Income tax dept. Opp Govt School polytechnic college	2090	<ul style="list-style-type: none"> The existing ESR, located on MCL land and enclosed within the boundary wall of a park near Rishi Nagar market, has not been operational for the past 20 years. At the proposed location for the new ESR, two Kesho trees and one Peepal tree have been identified. 		
117	W82-E1	Kitchlu Nagar	2992	<ul style="list-style-type: none"> The existing ESR is located within the park limits. The owner of the land is the MCL. The park covers an area of 1 acre. The ESR was constructed 40 years ago and has not been operational for the last 20 years. There are residential areas around the ESR. Dr. Anil Mittal Hospital is located near the existing site. There are 26 trees within the existing ESR area. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
118	W83-E1	Prem Nagar	1143	<ul style="list-style-type: none"> The existing ESR, located on MCL land within the boundary walls of a park in Prem Nagar Civil Line Ward No. 83, was built in 1980 but has been non-operational for the last 30 years. There are 10 trees situated at the ESR location. Inside the park, there are three transformers that are more than 20 years old. There is a tube well installed in the park that supplies water to the local residents. 		
119	W90-P1	Dasera Ground upkar nagar	1815	<ul style="list-style-type: none"> ESR is proposed in open and MCL land. It is a residential area. Land is someone's private property. According to people the land is under litigation. Apart from bushes, there are many big trees on the Ground. Also there is an electric transformer in field and High tension wires are present. The land is also used for bus parking. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
120	W80-E1	Haibawal Kalan (near police station)	330	<ul style="list-style-type: none"> The existing ESR, located on MCL land and enclosed within the boundary walls of a service center, has not been operational for the past 30 years. The area around the ESR features old age homes, commercial areas, shops, and a well-maintained service center that also has a volleyball court in its back. Two Neem trees, two Peepal trees, and four other trees are situated near the ESR. 		
121	W80-P1	Mahveer Jain Colony	1698	<ul style="list-style-type: none"> The proposed ESR is planned to be established within the Mahavir Jain Colony Park, with the land being owned by the MCL. There is a functional tube well in the vicinity. Aside from bushes, no large trees were observed within the park. The park itself is not maintained properly. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
122	W79-E1	Shamshan Ghat Haibwal	1240	<ul style="list-style-type: none"> The existing ESR, built on MCL land and located within the boundary walls of the Shamshan Ghat, has been non-operational for the past 20 years. A tube well, which is found within the Shamshan Ghat, is functional. The Shamshan Ghat area is surrounded by residential neighbourhoods. Eight trees, including two Neem trees, two Peepal trees, and four other trees, are located at the proposed ESR site within the Ghat. 		
123	W91-E1	Jeenat Colony	898	<ul style="list-style-type: none"> The existing ESR park, located in Ward No. 91 Jeenat and built on MCL land, was constructed in 2001 but has been closed since 2002. The park, found in the heart of a residential colony. There are two Kesho trees and two Peepal trees within the existing ESR area. An electric pole is situated at a distance of 10 meters from the ESR. 		





S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
124	W91-P1	Vinod Park Civil City	1418	<ul style="list-style-type: none"> The current ESR, built on MCL land, has not been operational for the past 40 years and is situated within a walled park in front of Javodhya Hospital in Civil City. The park is frequented by local residents for yoga and Panchayat meetings, as it is in the middle of a residential colony. Near the ESR, there are two Kesho trees and one Peepal tree. 		
125	W94-E1	Jagat Nagar, Jassian Road	1240	<ul style="list-style-type: none"> Located within the existing ESR park limits. The owner of the land is MCL. This park is spread over an area of 1 acre. ESR was constructed 40 years ago and has not been operational for the last 20 years. There are residential areas on both sides of ESR, and in front of the park there is Gurudwara at a distance of 50 meters and Mata Mandir at a distance of 100 meters and there is military market nearby. There is a HPCL petrol pump at a distance of 100 meters. 		



S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
126	W94-P2	Juhi Enclave Park	2945	<ul style="list-style-type: none"> The proposed ESR is planned to be situated within a walled park on MCL land. There are residential buildings located outside the park boundary. There are a few trees, including one Neem tree, one Bael tree, and four other trees that may possibly be affected during the construction of the ESR. 		
127	W94-P1	Kesari Enclave	9152	<ul style="list-style-type: none"> The proposed ESR is intended to be built in an open area on MCL land. Residential buildings surround the land outside of its boundary. The proposed ESR site hosts several trees, including one Neem tree, one Bel tree, and an additional 10 other trees. 		

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
128	W20-E1	Moti Nagar	1968	<ul style="list-style-type: none"> The ESR has been non-functional for the last 50 years. The ESR is located on MCL land and has one functional tubewell. The area experiences water logging during the monsoon season. 		
129	W21-P1	Saini Colony	684	<ul style="list-style-type: none"> The existing ESR, located on MCL land and enclosed within the boundary wall of a park, has not been functional for the past 13 years. The ESR is located in a park along Saini Colony. One side of the ESR borders Saini Colony while the other side is close to a factory area and shops, which are more than 50 meters away. There are four trees in the park, including one Neem tree, one Bel tree, and four Tun trees, which may be affected due to the proposed ESR location. 		

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
				<ul style="list-style-type: none"> The park also contains an operational tube-well belonging to the MCL. 		
130	W52-E1	Islamganj	293	<ul style="list-style-type: none"> The ESR has been non-functional for the last 25 to 30 years. The ESR is located on MCL land, which includes a functional tubewell. The land is situated in a residential area. Due to the higher elevation of the area, a motor is necessary for water distribution to each household. A Neem and Peepal tree may possibly be affected during construction. 		
131	W53-E1	Kidwai Nagar	293	<ul style="list-style-type: none"> A Eucalyptus tree within the boundary may potentially be impacted by the project. The ESR is located in a residential area. The ESR is situated on municipal land and is equipped with one functional water pump. 		

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
132	W62-E1	Subhani Building- MS Surface SR	1238	<ul style="list-style-type: none"> The ESR is an operational Mild Steel (MS) ESR that's more than 80-90 years old, currently used to fill MCL's water tanker. If there's a proposal to demolish, no trees would be affected. The park where the ESR is located is small. An Aam Admi Clinic operates within the confines of this park. Outside of the ESR, there's a market area. 		
133	W88-E1	Shekhawal	2127	<ul style="list-style-type: none"> The ESR is more than 40 years old and has not been functional for the last 8 years. There is one functional tube-well owned by the MCL that supplies water for the area. The ESR is located right between a residential and an industrial area. There are residential buildings on two sides of the ESR and industrial buildings on the other two sides. Inside the boundary, two small Peepal trees and two Neem trees exist. There is an Aam Admi Clinic operating within the boundary of the ESR. 		

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
134	W27-E4	BSUP flats Gaispura Singla Cycle Road	11123	<ul style="list-style-type: none"> The land at the site belongs to MCL. Approximately 3.5 to 4 meter approach road is available The ESR is has BSUP flats in the vicinity and is located at the end of the park within the locality. 		
135	W30-E1	Vishwakarma Park Jaimal Singh Road	419	<ul style="list-style-type: none"> The land where the site is located belongs to the MCL. The existing structure is more than 80-90 years old. Within the park, around 10-12 trees, such as Bakan/Neem, Bargad, Neem, Ashoka, Mango, Anwala, Guava, etc., are situated near the ESR. The site is free from any encroachments. 		

S.No	Proposed Component		Area Available (m2)	Surroundings	Photograph of the proposed component	
	ESR ID	Locality				
136	W41-E1	Div. no. 4 opp police station MS Surface SR		<ul style="list-style-type: none"> The ESR is over 80-90 years old. Despite its age, it remains operational and is used to fill the water tanker of the MCL. It also provides a water supply to the nearby market area. If a potential demolition is proposed, it is anticipated that no trees will be impacted. The Lok Padma MJS Hospital is located adjacent to the ESR. 		

Annexure 26A: Consultations with Line Departments

Meetings of Meeting of Consultations Departments

1. Superintending Engineer, PIU Ludhiana

Date and Time: 06.11.2023 at 11am

Location: Zone-D, Municipal Corporation of Ludhiana

Participants: S.E, XEN, SDO, and JE of Municipal Corporation of Ludhiana and E&S Consultant Voyants Solutions Pvt. Ltd. (VSPL)

Key Points Discussed:

- The representative from VSPL updated the meet on the progress of the Environmental and Social Impact Assessment (ESIA) and stated the objective of the site visit.
- S.E. Mr. Ravindar Garg expressed his full support from PIU. He further instructed all SDOs to assist the VSPL team during the site visits and for data collection at the proposed and existing ESRs, along with the transmission line routes.
- A request was put forth by VSPL to PIU for muck disposal site details so the team can perform an E&S screening on the site.
- Technical aspects of the project were deliberated upon - specifics of muck generation, excavation details, etc.
- VSPL was requested to provide the PIU team with details about the NoCs to be obtained. In response, the VSPL team confirmed that all pertinent details regarding the NoC have been shared in a screening report with the PIU.

2. Joint Commissioner, PIU Ludhiana

Date and Time: 06.11.2023 at 12.30 pm

Location: Zone-D, Municipal Corporation of Ludhiana

Participants: Dr. Ankur Mahindro, Joint Commissioner, PIU Ludhiana, and E&S Team Voyants Solutions Pvt. Ltd. (VSPL)

Key Points Discussed:

- During the meeting, the VSPL summarized the progress of the Environmental and Social Impact Assessment (ESIA) and discussed the objectives of the site visit.
- Dr. Mahindro assured his full support for the project and available for consultation at any time.

- The Joint Commissioner directed the team to gather all the necessary data essential for the completion of the ESIA report.
- The VSPL team will continue the collection of the required ESIA data.
- Assistance from Dr. Mahindro will be availed as and when necessary for the progression of the project.

3. National Highway Authority of India

Date: 17.11.2023

Place: PIU, NHAI, Jainpur, Jainpur Road, Ludhiana

Participants: Mr. Ashok Kumar Rolania, Project Director, Mr. Vineet Jain, Site Engineer, Dr. Arvind Dubey, VSPL Gurgaon

Key Points Discussed:

- VSPL familiarized the attendees about the project, the project layout plan, and the transmission line's route which crosses and travels along national highways.
- Mr. Vineet Jain identified NH-5 (Samrala Chowk to Ferozpur), Laddowal Bypass (Linking NH-5 with NH-44), and NH-44 (Khanna to Jalandhar) roads falling under the division of NHAI.
- Mr. Jain recommended using the Horizontal Directional Drilling (HDD) method for the transmission line crossing to the national highways. For laying of the pipeline alongside the road, he suggested the use of the open trench method. Furthermore, he proposed that the pipeline should be positioned at the edge of the road, preferably on unpaved shoulders.
- Mr. Jain provided a copy of the checklist and guidelines for submitting a NoC proposal and obtaining approval from NHAI.

4. Police Station, Division No. 8, Civil Lines, Ludhiana

Date: 18.11.2023

Place: Police Station, Division No. 8, Civil Line Ludhiana

Participants: Mr. Gurbinder Singh, Senior Constable, Other Police Officials, Dr. Arvind Dubey, Mr. Kamal Singh and Mr. Manish Indurkar from Voyants Solutions Pvt. Ltd. (VSPL) Gurgaon

Key Points Discussed:

- The meeting began with a formal introduction by the team from VSPL who briefed the police officials about the proposed project, its components, and the anticipated risks and impacts related to Gender-Based Violence (GBV) and the potential labour influx.
- The E&S team sought information on any known hotspots and areas prone to GBV behaviors. They asked about any cases registered against GBV in the area.
- The senior constable, Mr. Gurbinder Singh, reassured that the area under their jurisdiction was peaceful with no registered cases of GBV.
- They acknowledged that several educational institutions, including the Khalsa College for Women, the Government College for Women, the SCD College for Boys and the Malwa College for Girls, fall under their jurisdiction. However, they reiterated that no complaints or cases related to GBV had been reported.



5. Meeting with Divisional Forest Officer Ludhiana

Date: 20.11.2023

Location: DFO Office, Ludhiana



Participants: DFO, DFO Office Staff, and VSPL team



Key Points Discussed:



- The DFO provided a comprehensive list of flora and fauna in the Ludhiana Forest division. The proposed project area is located within the Doraha range.
- Notable faunal species near Bilga Village, where the Water Treatment Plant is proposed, include Neelgai (Schedule-II), Wild Boar (Schedule-I), Siyar (Schedule-I), Monkey (Schedule-II), and Peacock (Schedule-I).
- Fees for the project were detailed. A processing fee of Rs 2,000 per hectare is required, along with GPM Fees of Rs 500,000 per hectare.
- Schedule rates per hectare, such as the Net Present Value (NVP) Rate of Rs 1,357,110 and the Compensatory Afforestation (CA) Rate of Rs 682,208, were outlined.


- The DFO emphasized that, as a compensatory measure for each tree cut down, ten new trees should be planted and maintained over a period of ten years. The cost per cubic meter of a felled tree was stated to be Rs 3535.
- The VSPL team requested a forest map, however, the DFO specified that it can only be provided after the final approved drawing is submitted in hard copy. Information related to the concerned forest land will be shared post a site inspection by the DFO office.

Annexure 26B: Additional Consultation with Line Departments


S. No	Location	Participants No.	Concerns / issues discussed	Photographs
1	Punjab Pollution Control Board, Ludhiana (Date: - 23-01-2024)	5	<p>Consultations: The Consultant's team briefed the officials of the Punjab pollution control board about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the PIU, and the Consultation team.</p> <p>Comments by the Consultation team: During the meeting, officials were briefed about crucial project specifics, including the locations of Water Treatment Plants (WTP), Overhead Storage Reservoirs (ESRs), and the routes for the Transmission Line. Subsequently, in-depth discussions regarding the water treatment technology and the essential baseline data collection for the project took place. The applicability of Consent to Establish (CTE)/Consent to Operate (CTO) or any other No Objection Certificate (NOC) requirements for the proposed project were addressed thoroughly. It was clarified that CTE/CTO would be necessary for the construction of WTP, while the construction of ESRs and the laying of the Transmission Line would not necessitate such requirements.</p> <p>Point of View of Stakeholders: During the meeting, PPCB officials conveyed that a continuous ambient air monitoring station has been established by the department on the premises of Punjab Agriculture University. It was also communicated that the authentication for primary baseline data collected could be fetched from the official websites of PPCB or CPCB for the project. The potential environmental impacts of the project were discussed in detail, highlighting the important need for effective pollution control strategies. The importance of maintaining open dialogue to address potential issues during the project implementation phase was underscored and the meeting concluded with the assurance of scheduling more meetings for project strategy refinement.</p> <p>Consultation Summary: The proposed project was appreciated as a positive initiative for improving access to clean water in the region, thereby fostering better health outcomes for the community. The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
2	Bharat Sanchar Nigam Limited, Ludhiana (Date: - 24-01-2024)	5	<p>Consultation: The Consultation team briefed officials of the Bharat Sanchar Nigam Limited about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the PIU, and Consultation Team.</p> <p>Comments by the Consultation team: The consultation team held a meeting where officials were briefed on the project specifics. This included the locations of Water Treatment Plants (WTP), Overhead Storage Reservoirs (ESRs), and the route for the Transmission Line. In-depth discussions were conducted regarding the department network laid within the municipal boundary of Ludhiana. The team communicated guidelines, rules, and regulations concerning the excavation of trenches in the nearby area of the already laid network. Moreover, the stakeholders shared that the department's network lines have been laid at a depth of approximately 5-6 feet below the ground level and these lines will undergo verification and checks by the department during a joint site visit with the DBO Contractor. However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles.</p> <p>Point of View of Stakeholders: The stakeholders of the meeting included officials from the city's major telecommunication networks such as Jio, Airtel, Vodafone, Fastway, HFCL, etc. These key stakeholders noted that the Telephone lines/Optical Fiber Cables (OFC) of these companies are also laid in the city. Although a request for the Network Map was made to the officials, they communicated that providing the network map is not feasible. They emphasized that the laying of the transmission line will be carried out under the supervision of field staff from telecom departments and any faults in the network line during the laying of</p>	

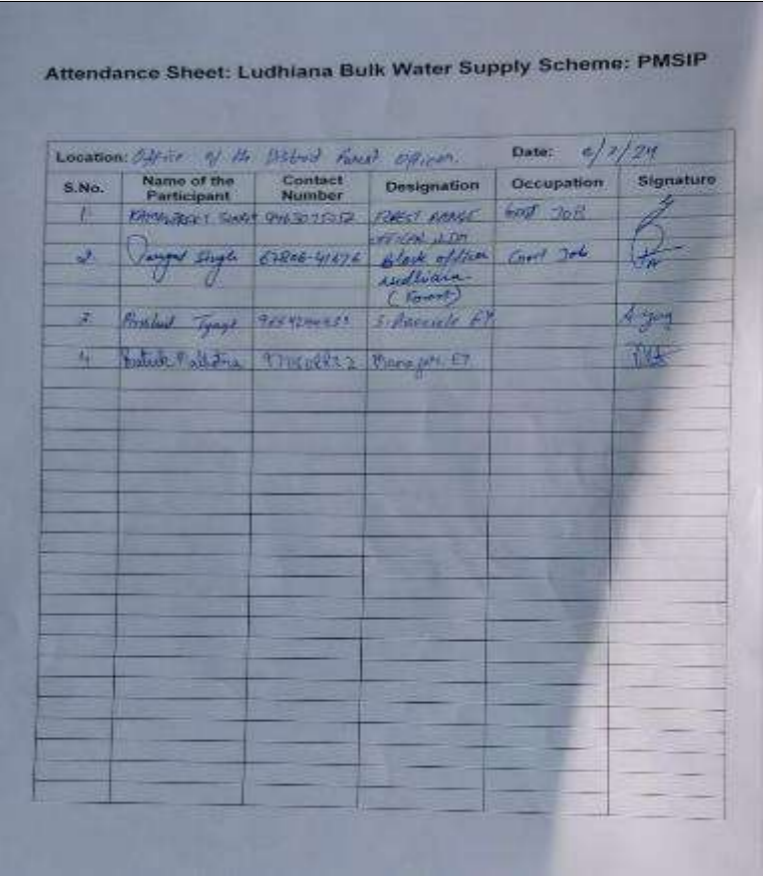
S. No	Location	Participants No.	Concerns / issues discussed	Photographs
			<p>the Transmission line will be repaired simultaneously on-site. It was pointed out that a fee is required to be submitted to the department for any fault repair work or unforeseen challenges arising from the proposed laying of the transmission line.</p> <p>Consultation Summary: Overall, the consultation provided a platform for effective discussion and collaboration towards successful project implementation. The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
3	3.Meeting with Forest Department Ludhiana (Date: - 25-01-2024)	3	<p>Consultations: The Consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 3 participants took part in the consultation process. The consultation was conducted by the PIU and the Consultation team.</p> <p>Comments by the Consultation team: The project specifics, including the locations of Water Treatment Plants (WTP), Overhead Storage Reservoirs (ESRs), and the preliminary route for the Transmission Line, were thoroughly discussed with forest officials in a consultation meeting. Requests were made for the forest map, and it was communicated that the map would be provided after the submission of a letter along with the final approved drawing in a hard copy. Furthermore, details regarding the forest land involved would be shared after an on-site inspection. The Net Present Value (NPV) Rate and Compensatory Afforestation (CA) Rate were also discussed.</p> <p>Point of View of Stakeholders: Finally, it was emphasized that Compensation Afforestation must take place on double the degraded forest land or ten trees must be planted for every felled tree, whichever is higher. This responsibility also includes maintenance for over ten years.</p> <p>Consultation Summary: The consultation meeting was highly productive, providing thorough insights and guidelines regarding project implementation in line with forestry rules and regulations.</p>	
4	Indian Railway, Ludhiana Office (Date: - 25-01 2024)	4	<p>Consultations: The Consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the PIU and the Consultation team.</p> <p>Comments by the Consultation team: During the consultation meeting, officials were briefed about the project details, including the locations of Water Treatment Plants (WTP), Overhead Storage Reservoirs (ESRs), and the preliminary route for the Transmission Line.</p> <p>Point of View of Stakeholders: To facilitate the process, officials confirmed that an online application, along with detailed drawings, plans, and other required documents, can be submitted through the Rail Bhoomi Crossing Sewa portal. As part of the approval process, a joint site inspection by railway officials will be necessitated, followed by the forwarding of the application to the Firozpur Divisional Office for further approval. A thorough dialogue took place surrounding the technology and diameter specifications required for laying the transmission line, with a crucial emphasis on the supervision by Indian Railway staff to ensure quality and safety standards. Lastly, it was highlighted that a processing fee would need to be submitted to the department for addressing any unforeseen challenges or repairs arising from the proposed laying of the transmission line.</p> <p>Consultation Summary: The meeting concluded with an acknowledgment of the crucial collaboration that would be necessary for the successful execution of the project.</p>	

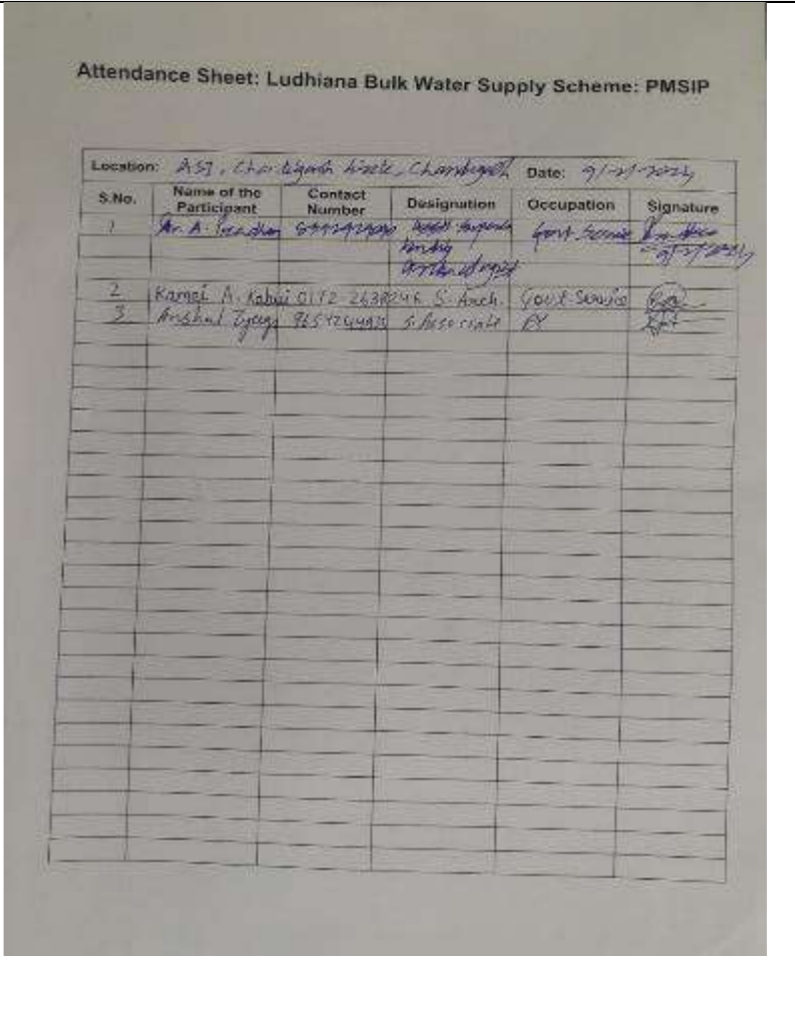
S. No	Location	Participants No.	Concerns / issues discussed	Photographs
5	Greater Ludhiana Area Development Authority (GLADA) Official at GLADA Office, near MBD Mall, Ludhiana (Date: 24-01-2024)	4	<p>Consultations: The Consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the PIU and PHED department, GLADA officials and E&S Consultants.</p> <p>Comments by the Consultation team: The E&S Consultant held a meeting with officials from the department of Public Health Engineering Department (PHED) and Greater Ludhiana Area Development Authority (GLADA) at their office near MBD Mall, Ludhiana. The consultation kicked off with introductions by the consultant team followed by a detailed presentation about the proposed project and its implications.</p> <p>However, they also assured stakeholders that the impacts during the construction phase would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: During the consultation, PHED and GLADA officials clarified that a No Objection Certificate (NoC) for the construction or rehabilitation of Elevated Storage Reservoirs (ESRs) has already been granted to the Municipal Corporation of Ludhiana (MCL). It was further emphasized that while the ownership of the land where ESRs are to be constructed will remain with the Authority, all responsibilities pertaining to the construction, operation, and maintenance of the ESRs will be shouldered by MCL.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project</p>	
6	Office of Executive Engineer, LIT, Firoz Gandhi Market, Ludhiana (Date: - 23-01-2024)	4	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the PIU, LIT(Ludhiana Improvement Trust) and the E&S Consultants.</p> <p>Comments by the Consultation team: The E&S Consultant held a meeting with the Executive Engineer and other officials of the Ludhiana Improvement Trust (LIT) at their office in Firoz Gandhi Market, Ludhiana. The main purpose of the consultation was to discuss the construction of three new Elevated Service Reservoirs (ESRs) and the rehabilitation of five existing ESRs under the jurisdiction of the Ludhiana Improvement Trust (LIT).</p> <p>During the discussions, the Executive Engineer affirmed that LIT has already granted a No Objection Certificate (NOC) to the MCL for the said project. It was clarified that while the ownership of the land where the ESRs are situated will remain with the Trust, the MCL will be charged with the tasks of constructing, operating, and maintaining the ESRs.</p> <p>Point of View of Stakeholders: During the consultation, the officials from LIT provided more context by explaining that once the colony was developed, the Trust passed on the operational and maintenance responsibilities to the MCL. The meeting provided clarity on the roles and responsibilities of different stakeholders and set a clear framework for the project's successful execution.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	

S. No	Location	Participants No.	Concerns / issues discussed	Photographs
7	GAIL Office, Urban Estate, Phase-III, Dugri, Ludhiana (Date:- 24-01-2024)	4	<p>Consultation: The E&S team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the PIU, GAIL Officials and the Consultation team.</p> <p>Comments by the Consultation team: The E&S Consultant held a consultation meeting with representatives from GAIL (Gas Authority of India Limited) at their Ludhiana office. The consultation began with an overview of the proposed project's components, which include the construction of a Water Treatment Plant (WTP), Elevated Service Reservoirs (ESRs), and a Transmission Line Network. An important query was addressed concerning the locations of gas pipelines in relation to the project's transmission line and proximity to the proposed and existing ESRs.</p> <p>Representatives from GAIL responded by requesting a detailed layout plan for the proposed project, which includes the path planned for the transmission line. The officials informed the consultation team that GAIL had an existing gas pipeline network within Ludhiana city and strongly advised maintaining a minimum distance of 5 meters from the established gas pipeline.</p> <p>Point of View of Stakeholders: Moreover, they highlighted the presence of additional gas pipelines from Think Gas within the city. The team from GAIL also shared forthcoming plans about Adani intending to lay a gas pipeline in the same area. This crucial information would serve to influence and inform the project's planning and implementation phases, ensuring appropriate distances are maintained from existing gas pipelines for safety and feasibility.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
8	Think Gas Office, Dhanraj Complex, Opposite Gate No. 1 of PAU, Ludhiana. (Date:- 25-01-2024)	4	<p>Consultations: The Consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the Consultation team & PIU. the consultation process was led by the E&S Consultant, who held a meeting with Think Gas representatives at their Ludhiana office. As part of the discussion, the consultation team explained the proposed project components, including the construction of a Water Treatment Plant (WTP), Elevated Service Reservoirs (ESRs), and a Transmission Line Network. Additionally, the team asked about any gas pipelines that might intersect with the project's transmission line route or those that may be found near the planned or existing ESRs.</p> <p>Point of View of Stakeholders: During the consultation, the representatives from Think Gas clarified that there were currently no gas pipelines near the proposed project site, thereby alleviating some concerns. They, however, emphasized the importance of consulting with Think Gas before finalizing the transmission line route. As a proactive measure, they also shared emergency contact information including a toll-free number and an email address, thereby assuring availability round the clock for any necessary coordination.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	NA
9	Office of Traffic Police, Police Line, Civil Line, Ludhiana (Date:- 24-01-2024)	5	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the Traffic Police Department & PIU and consultation teams.</p> <p>Comments by the Consultation team: The consultation team led a meeting with representatives from the Traffic Police at their office in Police Line, Civil Line Ludhiana. A detailed overview of the proposed project was presented, which included the construction of a Water Treatment Plant (WTP) at Bilga village, Elevated Service Reservoirs (ESRs) throughout the city, and a Transmission Line Network following the existing roads.</p>	NA

S. No	Location	Participants No.	Concerns / issues discussed	Photographs
			<p>For efficient project management, an inquiry was made regarding the city's Traffic Zones and the process for obtaining traffic diversion permissions during the construction of ESRs and the laying of pipelines in the city. Excellent coordination was established during the consultation, with the Traffic Police officials providing clear guidelines for future correspondence and project execution. By identifying the most congested areas in the city, they assisted the consultation team in planning and potentially averting construction-related traffic problems ahead of time.</p> <p>Point of View of Stakeholders: During the consultation, The Traffic Police officials listed the most congested and traffic-heavy zones in the city as Hamra Road to Sabzi Mandi Chowk, Ramsaranam Mandir to Pavilion Mall, Pavilion Mall to Bharat Nagar Chowk, Fountain Chowk to Arti Chowk & Bhaiwala Chowk, Jagraon Pull to Purani Sabzi Mandi & Jalandhar Bypass, Samrala Chowk to Veer Palace & Chandigarh Road, Bus Stand to Gill Chowk Road, Gill Chowk to Gill Nahar Pull, and Dhaba Cut to Sahnewal Chowk. The officials suggested sharing the construction schedule 15 days in advance for efficient coordination with Traffic Police. The request to offer the construction schedule a fortnight earlier also helps facilitate smooth operations and minimize disruptions. This information greatly assists the project's successful and timely completion.</p> <p>Consultation Summary: The consultation went smooth operations and minimize disruptions. This information greatly assists the project's successful and timely completion.</p>	
10	Office of Labour Department, Gill Road, Murad Pura Road, Ludhiana, (Date:-25-01-2024)	3	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 3 participants took part in the consultation process. The consultation was conducted by the Enforcement officer of Labour Department & consultation teams.</p> <p>Comments by the Consultation team: The E&S Consultant met with the Enforcement Officer in Ludhiana to provide an overview of the planned project components. These include the construction of a Water Treatment Plant (WTP) in Bilga village, the creation of Elevated Service Reservoirs (ESRs) within the city, and the establishment of a Transmission Line Network along existing roads. The consultant communicated that approximately 1200 workers will be required during the construction phase. They sought information about the provision of labor licenses and the amenities that the Government of Punjab (GoP) offers to both organized and unorganized workers. Furthermore, the consultant inquired about procedures that the contractor should adhere to before and during the deployment of the workforce for the project. These discussions prove pivotal in ensuring that all labor-related concerns and regulations are adequately addressed during the project's course.</p> <p>Point of View of Stakeholders: During the consultation, The Enforcement Officer's commitment to provide their department's full support, including potential training for the contractor, demonstrates a collaborative approach toward the successful implementation of the project.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
11	PWD Office, Civil Line Ludhiana (Date:- 24-1-2024)	5	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the PIU, PWD officials and E&S Consultant.</p> <p>Comments by the Consultation team: The E&S Consultant organized a meeting with officials from the Public Works Department (PWD) at their office in Civil Line, Ludhiana. The consultation involved presenting an overview of the proposed project, including the construction of a Water Treatment Plant (WTP) at Bilga village, the establishment of Elevated Service Reservoirs (ESRs) in the city, and the creation of a Transmission Line Network along the existing road. The PWD officials were shown the layout of the proposed transmission</p>	

S. No	Location	Participants No.	Concerns / issues discussed	Photographs
			<p>line, highlighting the PWD Roads, and were asked about the process of obtaining permission to lay the transmission line on PWD Roads.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles.</p> <p>Point of View of Stakeholders: During the consultation, responding to the inquiry, the PWD representatives requested the team to submit the proposed transmission line layout along with the application. They suggested conducting a joint site visit, post which they would process the NOC application. The decision by the PWD officials to conduct a joint site visit underscores the interactive engagement, cooperation, and commitment between both parties for successful project execution.</p> <p>Consultation Summary: The consultation process was seamless, and the stakeholder showed a willingness to collaborate during the project's implementation phase.</p>	
12	Office of Punjab State Power Corporation Limited, Ludhiana (Date:-24-01-2024)	5	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the PIU, Govt officials of PSPC and consultation team.</p> <p>Comments by the Consultation team: The E&S Consultant held a meeting with the Executive Engineer of the Punjab State Power Corporation Limited at their office in Ludhiana. An extensive overview of the project components was presented, which include the construction of a Water Treatment Plant (WTP) at Bilga village, Establishing Elevated Service Reservoirs (ESRs) in the city, and a Transmission Line Network following the existing road. The E&S Consultant sought clarification on the procedures involved in shifting High Tension (HT) and Low Tension (LT) lines. This was particularly in reference to the HT line intersecting the WTP site. Propagation of an idea concerning the prospect of shifting or determining Right of Way (RoW) for the line was introduced. It was also noted that several ESRs are planned near the current HT and LT lines.</p> <p>Point of View of Stakeholders: During the consultation, the department advised the team to submit a proposal for the shifting of transmission lines and electric poles. They agreed to evaluate the proposal and generate a budget estimate. They also clarified that the Municipal Corporation must submit the estimated costs to the Power Corporation, which will then begin the relocation process for poles and lines. The guidelines provided by the department regarding the protocol for shifting transmission lines and poles offer significant direction as the project moves forward. This collaboration encourages a smooth operational climate for the project implementation.</p> <p>Consultation Summary: The consultation process was seamless, and the stakeholder showed a willingness to collaborate during the project's implementation phase</p>	

S. No	Location	Participants No.	Concerns / issues discussed	Photographs																														
13	Office of the District Forest Department (Date: - 08-02-2024)	4	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the PIU, Govt officials of Forest Department and consultation team.</p> <p>Comments by the Consultation team: Consultation with Mr. Kamal Preet Singh, Forest Range Officer, consultation team briefed Mr. Kamal Preet about the scope of the project and presented the proposed transmission line alignment.</p> <p>Forest officials were aware of the project details and mentioned that the pipe alignment along the 1-R canal lies on the Forest Land which is categorized as Protected Forest Area. Further, it was highlighted that MCL is required to get the permission through Forest Conservation Act.</p> <p>Point of View of Stakeholders: It was mentioned that for getting FCA clearance. A detailed RD wise details (Length of pipeline from the WTP) of the pipeline alignment detailing the exact area required for the laying of the pipeline needs to be submitted on MoEFCC Parivesh portal. After the submission of the application a joint investigation will be conducted by the forest officials and the MCL officials/ PIU to identify the land parcel, The joint investigation report will summarize the exact number and type, etc. of the trees required to be felled. Based on the number and type of trees felled, MCL needs to submit the compensation as per the rates provided by the forest department.</p> <p>Additionally, MCL is required to plant 10 saplings for each of the tree felled. The location for sampling needs to be identify by the MCL and information like type, number and date of sampling needs to be shared with the forest department.</p> <p>consultation team mentioned that the MCL proposal require laying of Pipeline in the trenches which shall be backfilled. Forest official informed after laying the pipeline infrastructure, forest department can plan plantation on the stretch of land.</p> <p>Consultation Summary: The consultation process was seamless, and the stakeholder showed a willingness to collaborate during the project's implementation phase.</p>	 <p>Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP</p> <p>Location: Office of the District Forest Officer. Date: 6/2/24</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Name of the Participant</th> <th>Contact Number</th> <th>Designation</th> <th>Occupation</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Kamal Preet Singh</td> <td>9413071512</td> <td>FOREST RANGE OFFICER</td> <td>Govt Job</td> <td>[Signature]</td> </tr> <tr> <td>2</td> <td>Pooja Singh</td> <td>97806-41276</td> <td>Block office - Ludhiana (Forest)</td> <td>Govt Job</td> <td>[Signature]</td> </tr> <tr> <td>3</td> <td>Prakash Singh</td> <td>9814100011</td> <td>Subordinate A.P.</td> <td></td> <td>[Signature]</td> </tr> <tr> <td>4</td> <td>Prakash Palodia</td> <td>97160832</td> <td>Manager A.P.</td> <td></td> <td>[Signature]</td> </tr> </tbody> </table>	S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature	1	Kamal Preet Singh	9413071512	FOREST RANGE OFFICER	Govt Job	[Signature]	2	Pooja Singh	97806-41276	Block office - Ludhiana (Forest)	Govt Job	[Signature]	3	Prakash Singh	9814100011	Subordinate A.P.		[Signature]	4	Prakash Palodia	97160832	Manager A.P.		[Signature]
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4	Prakash Palodia	97160832	Manager A.P.		[Signature]																													

S. No	Location	Participants No.	Concerns / issues discussed	Photographs																								
14	Archaeological Survey of India (Date: - 09-02-2024)	3	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 3 participants took part in the consultation process. The consultation was conducted by the PIU, Govt officials of Archaeological Survey of India and consultation team.</p> <p>Comments by the Consultation team: Consultation with Ms. Kamei Athoilu Kabui, consultation team briefed Ms. Kamei Athoilu Kabui about the scope of the project and presented the integrated plan of the project on Google Earth detailing all the components of the project area.</p> <p>Mr. Pradhan, Steno of Ms. Kamei measured the nearest component distance from the Sunet Archeological site. A preliminary survey conducted by E&S Consultants detailing the areal distances of the nearest project component from all the Protected monuments designated by Archeological Survey of Indian and Punjab Archeological Department. As per the preliminary survey all the sites were far away of atleast 300m from the Protected monuments/sites.</p> <p>Ms. Kamei informed that no construction works is allowed within 100m from the boundary of the Protected Monument/ sites. Further it was mentioned that if any construction work is proposed from the 100m to 300m from the boundary of the Protected monument, a prior permission/ No objection Certificate is required from the National Monument Authority.</p> <p>Point of View of Stakeholders: Ms. Kamei mentioned the permission is required because the construction of high-rise structure may impact the heritage significance of the monument. Mr. A Pradhan showed and shared the portal details of the National Monument Authority, where prior permissions are required to be sought, further the concerning Heritage Laws and Acts were shown on the portal. Further, A list of all the Archeological sites in Punjab was shared.</p> <p>Consultation Summary: The consultation process was seamless, and the stakeholder showed a willingness to collaborate during the project's implementation phase.</p>	 <p>Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP</p> <p>Location: ASJ, Char Dighah, Kirda, Chandigarh Date: 09/02/2024</p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Name of the Participant</th> <th>Contact Number</th> <th>Designation</th> <th>Occupation</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mr. A. Pradhan</td> <td>9815242000</td> <td>Asst. Engineer</td> <td>Govt. Service</td> <td>[Signature]</td> </tr> <tr> <td>2</td> <td>Kamei A. Kabui</td> <td>9112 2638246</td> <td>S. Arch.</td> <td>Govt. Service</td> <td>[Signature]</td> </tr> <tr> <td>3</td> <td>Anshul Duggal</td> <td>9857244410</td> <td>S. Associate</td> <td>PIU</td> <td>[Signature]</td> </tr> </tbody> </table>	S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature	1	Mr. A. Pradhan	9815242000	Asst. Engineer	Govt. Service	[Signature]	2	Kamei A. Kabui	9112 2638246	S. Arch.	Govt. Service	[Signature]	3	Anshul Duggal	9857244410	S. Associate	PIU	[Signature]
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2	Kamei A. Kabui	9112 2638246	S. Arch.	Govt. Service	[Signature]																							
3	Anshul Duggal	9857244410	S. Associate	PIU	[Signature]																							

Annexure 27A: Consultation with Community and Community Representatives.

1. Minutes of Meeting of Consultations with Stakeholders at WTP

Number of Male Participants	21
Number of Female Participants	6
Number of Total Participants	27

1. Consultation at Bilga Village

During the consultation process for the project, discussions were held with three distinct groups from the village where the Water Treatment Plant (WTP) is proposed. These groups included the landowners (Project Affected Persons or PAPs), the general villagers, and a group of women involved in the NAREGA program.

1.1. Consultation with landowners

During the consultation process for the project, the team consulted with 14 landowners and their family members. Through this process, several concerns were raised regarding the current state of infrastructure and services in the village. One major concern was the quality of drinking water, which is currently sourced from private bore wells with high levels of total dissolved solids (TDS). Additionally, the village primarily cultivates two crops, wheat and paddy, and relies on bore wells for irrigation.

Residents expressed concerns about the availability of public services in the village, including the government school which only goes up to class 8, and the lack of a clinic or primary health center (PHC). Residents must travel to Sanewal village to access medical services, and no prominent diseases have been reported in the village. Two gurudwaras and several temples serve as religious places in the village. There is no healthcare facility in the village, and no chronic disease is prevalent in the area. Participants reported they preferred private hospitals more than government hospitals.

Women expressed several concerns, including the need for better street lighting to improve safety during commutes and the need for skill development programs like computer training and sewing classes. Women also expressed a desire for improved road infrastructure, public transportation facilities, and access to employment opportunities.



1.2. Consultation with Villagers of Bilga Village

Consultation Date: February 16th, 2023

During the consultation process for the project, the team consulted with the villagers and informed them about the project. The villagers had some prior knowledge as they were aware of the location of the WTP. The villagers are involved in various economic activities such as factory work, farming, agriculture labor, and masonry. The village has 15-20 shops, and many industries are present in the village and the nearby area. The village primarily cultivates three crops: wheat, corn, and paddy, and relies on bore wells for irrigation. The selling value of wheat is Rs. 2100/ Quintal, rice is Rs. 2000/ Quintal, and corn is Rs. 1800-2000/ Quintal. The participants reported receiving water twice a day, from 7.00 A.M. to 08.00 A.M. and from 3.00 P.M. to 4.00 P.M., and they receive a water bill of Rs. 60/ month.

Villagers showed their willingness to work at the construction site. The land required for the construction of the WTP has been purchased on market rates from the landowners, and the compensation paid to the landowners was agreed upon by both the parties. The villagers were happy with the amount received as compensation.

However, during the consultation process, a few concerns were raised by the participants.

- Disruption of access road
- Noise and Air Pollution due to construction
- Labor influx / Increased Traffic
- Property Values

Overall, the villagers are primarily engaged in various economic activities including factory work, farming, and masonry, and they showed willingness to work at the construction site of the proposed Water Treatment Plant (WTP).



1.3. Consultation with NAREGA workers, Bilga Village

Consultation Date: February 16th, 2023

During the consultation process, the participants, a group of NAREGA women workers, expressed their willingness to participate in the construction of the proposed Water Treatment Plant (WTP), expecting it would provide additional employment opportunities.



2. Consultation with some Residential areas in MC area

During the project's consultation process, the team visited and had discussions with three residential areas. These included Badewal Road near Sua Road, Prakash Colony in ward no. 74, Prem Gali (or Dareshi) in ward no. 60, and Mahavir Jain Colony in ward no. 80.

2.1. Badewal Road

Consultation Date: February 15th, 2023

During the consultation for the project, discussions were held with residents from the project area. Awareness of the proposed project was generally high, having been disseminated through the local newspaper, though details on the ESR's capacity and the WTP's location weren't clear to residents. Despite potential disruptions such as new transmission line works and road blockages, there was considerable support for the project due to the perceived benefit of accessing treated water in the future.

Residents do face periods of water shortage, especially during the summer and when maintenance issues occur with the local tube well. Although water from the Municipal Corporation of Ludhiana is provided three times daily, it is deemed hard, thus leading residents to utilize RO filters. However, there is a readiness to pay more for water services post-project completion.



2.2. Prem Gali (Dareshi)

Consultation Date: February 15th, 2023

During the project development consultation, interactions were held with residents of a local residential area. While not initially aware of the project's specifics, the residents showed support for it, acknowledging its positive aspects. They raised affordability concerns on tariffs, even if the water quality is improved.

The residential area is situated within a market, leading to a significant presence of shops. Residents access water through community tap connections, and while the water quality is deemed good, they still prefer RO-treated water. Water shortages during summer have been addressed through water tankers. The water supply schedule typically runs in the morning, at noon, and in the evening. Remarkably, no water bills are received in the area.

Nearby healthcare facilities comfortably cater to the local populace with no chronic diseases of note, being prevalent. In light of the project, the residents anticipate getting better quality, treated water and with it, a resolution to their water shortage problems during summer.



2.3. Mahavir Colony

Consultation Date: February 17th, 2023

The residents of the proposed project area were consulted, and a series of concerns were discussed. Prior to the consultation, the residents were unaware of the project, but they wholly supported it after learning about it, even considering potential road blockages due to new transmission lines construction.

The locals, comprising salaried employees and businessmen, anticipate that they will greatly benefit from the project as it would provide treated water. Despite the presence of 5-6 shops in the area, water scarcity over 15 days in the summer remains a big issue. Currently, the only water source is tap water from the Municipal Corporation of Ludhiana, which is available three times a day. The quality of water is substandard, thus requiring the use of RO filtered water, yet no water bills are charged.

The residents expressed optimism about the project, valuing the assurance of 24/7 access to treated water.



3. Consultation with Park Visitors

During the project's consultation phase, the team held discussions at two parks that have existing or proposed ESRs (Elevated Service Reservoirs). These parks are the Rose Garden near Nehru Planetarium located in ward no. 76, and another one in SBS Nagar Block G within ward no. 71.

3.1. SBS Nagar Park

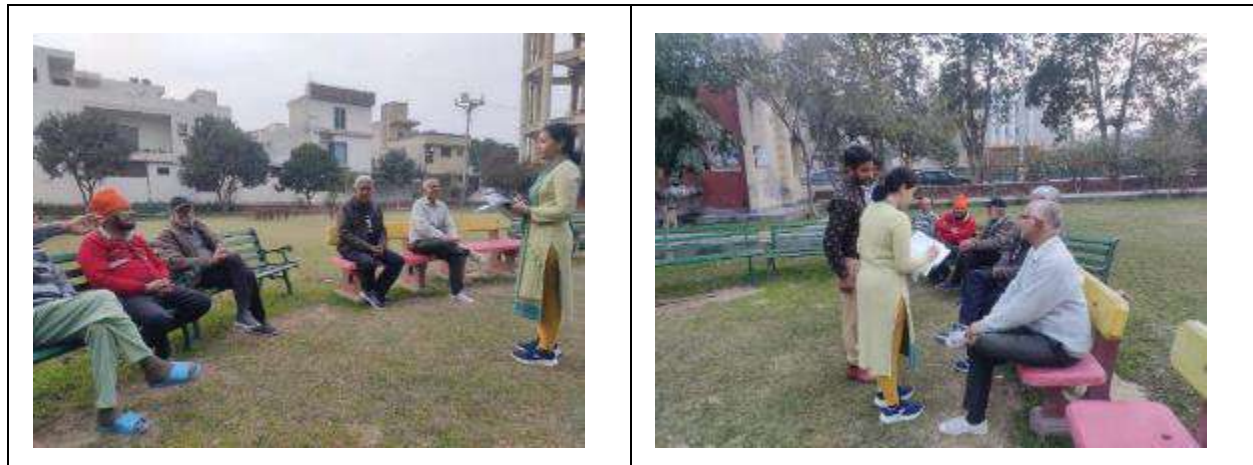
Consultation Date: February 16th, 2023

Visitors at SBS Nagar Park were consulted about the project and a range of concerns were shared, partly because they were uninformed about the proposed project. Given that the project aims to offer 24/7 access to treated water, it has the potential to provide clean water to people in the area. Most locals are economically active, and while the immediate area has only a few shops and no industrial units, it comes with two tube wells providing high-quality drinking water. Yet, a preference for RO water is noticeable.

Water is supplied in the morning and evening, with a monthly bill of about Rs. 100. Nevertheless, locals are willing to pay more for superior water quality and more frequent supply. With healthcare facilities nearby and a significant portion of literate and financially secure residents, youth unemployment remains a concern.

Several issues came to the fore during the consultation, such as the demand for park beautification, prolonged construction team's presence near the park, inappropriate garbage disposal near the park, and cleaning of an existing ESR that has been unused since its construction in 2000.

Participants perceive the project might curb water wastage, improve access to treated water, and ultimately enhance living standards.



3.2. Rose Garden

Consultation Date: February 17th, 2023

Visitors at the Rose Garden were consulted about the development of the project. Although, they were aware of the proposed project due to ongoing pipeline works, however not informed of the proposed ESR's capacity. They expressed positivity towards the project, especially due to the anticipated improvement in the water quality and consistent 24/7 water supply.

Drinking water is sourced from the tap water provided by the Municipal Corporation of Ludhiana three times a day but the water quality is poor.

Concerns raised by participants include:

- Political interference in project development
- The need for park beautification
- Inadequate Park maintenance
- Diminishing the recreational area.
- The water shortage during the summer and poor water quality were also highlighted as problems.



3.3. Consultation with Slum Area

During the project's consultation phase, the team engaged with residents of two slum areas where there is existing or proposed ESRs (Elevated Service Reservoirs). These areas are the Sirya Colony and Govind Nagar, both situated in ward no. 71. The residents of these slums expressed no objections to the project.

3.4. Sirya Colony

Consultation Date: February 16th, 2023

During the consultation, the team interacted with inhabitants of Sirya Colony, a slum area in ward no. 71. The participants were acquainted with similar projects in other cities, but not in Ludhiana. Nonetheless, they were supportive of the project. The residents engage in a variety of economic activities such as office assistance, labor, and factory work. Despite this, poverty levels in the area remain high, while literacy levels are low.

Water shortages are experienced during the summer, and when available, the water quality is poor and smells foul. The area only has few shops (5-6) with no nearby industrial units. Water is sourced from two tube wells in the area and delivered thrice a day, with residents not incurring any water cost. The area's inhabitants believe that the project will help improve water quality, but due to their poor economic conditions, only a minority agreed to handle additional costs for better quality service.



3.5. Govind Nagar

Consultation Date: February 18th, 2023

During the project's consultation, discussions were held with residents of Govind Nagar, a slum in ward no. 71. While the participants were unaware of the proposed project, they expressed interest in labour roles at the WTP site. They anticipate improvements in water taste and access to treated water 24/7, which they believe could enhance their quality of life.

Participants reported the subpar quality of water in the area, expressing their willingness to pay more for improved water quality. The area suffers from severe poverty and low literacy rates, with a scarcity of employment opportunities.



4. Consultations with NGO

Detailed Discussion with each NGO is mentioned below:

Table 3: Discussion with NGOs

NGO	Discussion
<p>Helpful NGO Welfare Society, Ludhiana (Mr. Deepak Garg and Mr. Yash Garg)</p> <ul style="list-style-type: none"> They provide medical assistance, both monetarily and non-monetarily, to needy patients and have accounts with 12 hospitals in Ludhiana. They provide medical help, including medicines, dialysis, oxygen cylinders, kidney transplants, and more, to those in need in association with hospitals. 	<p>The NGO responded positively to the news of the proposed water supply project. They appreciated that this initiative will lead to patients having access to fresh, clean water, which is crucial for their recovery. Furthermore, they see the project as an opportunity to enhance hygiene standards within hospitals, potentially leading to a decrease in disease prevalence.</p> <p>However, the NGO expressed concerns about patients' accessibility to hospitals during emergencies, particularly if the construction and development of the project interferes with roads and transportation routes.</p>
<p>Society for Equal Dignity of Children (SEDC) (Adv. Hariom Jindal)</p>	<p>The NGO praised the water project as a significant advancement for the city. They emphasized that access to clean water is not just a matter of health, but also a question of dignity for all citizens. Moreover, they pointed out that children, who are typically the most vulnerable to illnesses</p>

NGO	Discussion
	caused by contaminated water, would significantly benefit from improved water quality, helping to prevent waterborne diseases.

Photographs of Consultation with NGO



Consultation with Society for Equal Dignity of Children (SEDC) NGO Consultation with Helpful NGO

5. Consultation with Mayor and Sr. Deputy Mayor

Mayor	Mr. Balka Singh Sandhu
Location	Zone A office of Municipal Corporation
Date and Time	16/03/2023, 11.00
Participants Present	Dr. Jai Prakash (Ward Councillor) Mr. Sarabjeet Singh (Ward Councillor) Mr. Jaspreet Singh
Team Present	Client: Dr. Puneet Grewal Voyants: Ms. Pooja Patel Mr. Digvijay Pawar Mr. Dinesh
Major Discussion:	
In the consultation, the Mayor showed comprehensive knowledge about the project. His primary concern revolved around the distribution of treated water. He advised the creation of a stepwise program or set of activities for this project to ensure phased and organized execution.	

The Mayor recommended that existing ESRs shall be renovated. The Mayor emphasized the need to clearly specify each person's roles and responsibilities working on the project, ensuring a smooth implementation process.

Acknowledging that groundwater depletion in Punjab is a severe issue, he expressed his agreement with the project's objectives. He also proposed that the construction of transmission lines be integrated with ongoing road construction in the city. This approach could ensure efficient use of resources and minimize disruption, as both tasks could be completed simultaneously.

Picture Documentation:



Sr. Deputy Mayor	Mr. Syam Sunder Malhotra
Location	Zone A office of Municipal Corporation
Date	14/03/2023, 13.00
Participants Present	Mr. Rakesh Prasar (Ward Councillor) Ms. Sunita Rani Ms. Mandeep Kaur Ms. Poonam Malhotra
Team Present	Client: Dr. Puneet Grewal Voyants: Ms. Pooja Patel Mr. Digvijay Pawar Mr. Dinesh
Major Discussion:	
The councillor requested a copy of the construction schedule at least a week ahead of time. He also proposed that a discussion should take place between him and the contractor regarding the planned route for the transmission line before the commencement of work.	

To minimize disturbances for residents, he recommended that the line should traverse through the peripheral areas of the road. He further stressed the necessity of employing skilled workers for the construction to guarantee swift and precise execution.

Lastly, to limit inconvenience, the councilor suggested that construction work in narrow streets be scheduled during nighttime hours.

Picture Documentation:



Attendance Sheets for the Consultations done at WTP Site:

S. No.	Location	No. of Male Participant	No. of Female Participants
1.	Bilga Village	8	6

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Bilga Village Date: 17/01/2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	JAGTAR SINGH 9878556698	Free	M	75	General	Jagtar Singh
2	Subhleen Singh 93564-83240	Self Employed	M	52	General	Subhleen Singh
3	MARJIT Kaur 93564-83240	Senior Citizen	F	78	General	Marjith Kaur
4	Rajinder Kaur 99156-32819	House wife	F	46	General	Rajinder Kaur
5	Amandeep Singh 84-78-44719	Free	M	65	General	Amandeep Singh
6	Rupinder Singh	Free	M	40	General	Rupinder Singh
7	Savitaryjit Kaur	Free	F	67	General	Savitaryjit Kaur
8	Amandeep Kaur 98158-27313	Self Employed	F	37	General	Amandeep Kaur
9	Manpreet Singh 9501267845	Self Employed	M	37	General	Manpreet Singh
10	Harbans Singh 797319700	Pensioner	M	64	General	Harbans Singh
11	JASWINDER Kaur	House wife H.W.	F	60	General	Jaswinder Kaur
12	Kulinder Singh	Agriculture	M	38	General	Kulinder Singh
13	Amandeep Kaur	H.Wife	F	32	General	Amandeep Kaur
14	GARIMA MANJINDER	Self employed	M	44	General	Manjinder Singh
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2.	Badewal Road nearby Sua Road	0	3
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Badeval Road nearby Sui Road Date: 15/02

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Kulwinder Kaur	Teacher, Anganwadi GPOB Fes	f	47	SC	Kulwinder Kaur
2						
3	Jarfi Khatri	Housewife	f	54	OBC	ਯਯਯਯ
4	Aklina Khatoon	Housewife	f	40	OBC	ਅਕਲਿਨਾ ਕਾਟੂਨ
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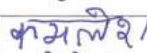
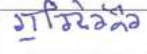
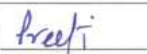

3.	Prem Gali (Dareshi)	0	3
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Prem Gali (Dareshi) Date: 15/02/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Kamlesh	Housewife	f	65	general	
2	Gurinder Kaur	Housewife	f	46	general	
3	Preety	Housewife	f	45	general	
4	Rashmi Kaural	Housewife	f	42	general	
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S. No.	Location	No. of Male Participant	No. of Female Participants
4.	SBS Nagar Block G Park	5	0

S. No.	Location	No. of Male Participant	No. of Female Participants
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9

**Punjab Municipal Infrastructure Development Company (PMIDC)
Ludhiana**

Name of Place/Venue: Park (SBS Nagar Block G)
Date: 11/01/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Ramsarup Sharma	Retired	m	70	General	<i>[Signature]</i>
2	Narendra Kumar	Business man	m	63	General	<i>Narinder Kumar</i>
3	Balbeer Singh	Retired	m	62	General	<i>B.S.</i>
4	S.P. Shopra	Retired	m	90	General	<i>S.P. Shopra</i>
5	Balwinder Sharma	Retired	M	68	General	<i>Balwinder</i>
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S. No.	Location	No. of Male Participant	No. of Female Participants
5.	Bilga Village	13	0

**Punjab Municipal Infrastructure Development Company (PMIDC)
Ludhiana**

Name of Place/Venue: Bilga Village
Date: 16/02/2023

LIST OF PARTICIPANTS

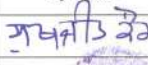


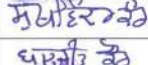

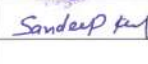


S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	SUPINDER SINGH RANDEHAWA 946517922	Agriculture	Male	38	Jat Sikh Gen	
2	NIR PRINDER SINGH 9465179206	"	"	34	"	
3	Jasmeet Singh 9592956831	Labour	"	50	"	
4	Gurmail Singh 9464039440	Agri	"	60	"	
5	Jaydeep Singh 9501405486	Electrician	"	32	SC	
6	Harpal Singh 9508537982	Electrician	"	50	SC	
7	Harnet Singh	HS	"	81	SC	
8	Satwinder Singh 9464477102	Driver	"	40	SC	
9	Jagjeet Singh	Labour	"	45	SC	
10	Kanna Singh	"	"	55	"	
11	Santokh Singh	"	"	50	"	
12	Jagjeet Singh 9501324049	Handman	"	33	"	
13	Shingana Singh	Security Guard	"	55	"	
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S. No.	Location	No. of Male Participant	No. of Female Participants
6.	Bilga Village Narega (Women)	0	8

**Punjab Municipal Infrastructure Development Company (PMIDC)
Ludhiana**

Name of Place/Venue: Bilga Village (NAREGA women)
Date: 11/02/2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Sujeek Kaur	Narega worker	F	43	SC	
2	Jasveender	"	F	50	SC	
3	Manveer Kaur Balveer	"	F	60	SC	
4	Janel Kaur	"	F	60	SC	
5	Sukhvender Kaur	"	F	37	SC	
6	Baljeet Kaur	"	F	32	SC	
7	Charanjeet Kaur	"	F	60	SC	
8	Sandeep Kaur 9056858793	"	F	35	SC	
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S. No.	Location	No. of Male Participant	No. of Female Participants
7.	Sirya Colony	3	5

Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Sirya Colony Date: 16.10.2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Amash Bhatti	Mason	M	42	SC	<i>Amash Bhatti</i>
2	Galdi	MCL	M	29	SC	<i>Gold G</i>
3	Veera	Labour, MCL	M	22	SC	<i>Veera</i>
4	Dimple	work in kothi	F	42	SC	
5	Bahira	Housewife	F	51	SC	<i>Bahira</i>
6	Kamlesh	Housewife	F	45	SC	<i>Kamlesh</i>
7	Muskan	Govt. School.	F	20	SC	<i>Muskan</i>
8	Rabita	Job in kothi	F	35	SC	<i>Rabita</i>
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S. No.	Location	No. of Male Participant	No. of Female Participants
8.	Mahavir Jain Colony	2	5

Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Mahavir Jain Colony Date: 17/02/2023
LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Shwani 98705068	Housewife	F	45	General	Shwani
2	Vikas	Housewife	M	28	General	Vikas
3	Pinky devi 826400583	Housewife	F	55	General	Pinky Devi
4	Shila	Worker	F	35	Other	Shila
5	Shatika	Housewife	F	42	General	Shatika
6	Priyanka 9915138658	Housewife	F	31	General	Priyanka
7	Alota Singh 828387954	Engineer	M	28	Gen	Alota
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S. No.	Location		No. of Male Participant	No. of Female Participants
9.	Rose Garden	3	0	

S. No.	Location	No. of Male Participant	No. of Female Participants
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Venue: Rose Garden

Date: 17/02/2023

Name

Sign

① Vinod Jain (64) m



② Rajnish Toshi (62) m
(9357528879)



③ Dharam Singh (42) m

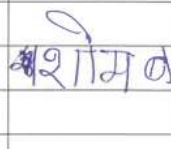


S. No.	Location	No. of Male Participant	No. of Female Participants
10.	Govind Nagar	3	6

**Punjab Municipal Infrastructure Development Company (PMIDC)
Ludhiana**

Name of Place/Venue: Govind Nagar
Date: 16/02/2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Bhoginda Das	Labour	M	52	SC	
2	Ram Pyarai	House wife	F	55	SC	
3	Ram Dulari	house wife	F	60	SC	
4	Chanda Devi	House wife	F	50	SC	
5	Dhanokwar	no	M	37	SC	
6	Robha Devi	House wife	F	25	SC	
7	Nitke	Work in kothi	F	26	SC	
8	Leeta Devi	Work in kothi	F	48	SC	
9	Chandekhar Das	Shop	M	55	SC	
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S. No.	Location	No. of Male Participant	No. of Female Participants
11.	MLA Goji ji Residense	7	2

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: M.L.A. Gaggi ji Residence (Guruman Mandi) Date: 12/3/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Honble M.L.A Gurupreet Bassi Gaggi ji	M.L.A	M			
2	Mr. Ekjot Singh	X.E.N.	M	37	G	
3	Dr. Puneet Kaur Grewal	Social Safeguard Expert	F	39	G.	
4	Dr. Anvind Dubey	Social Develop. Expert	M	42	Geneser	
5	Digvijay Panwar	Social Survey Specialist	m	29	G	Digvijay
6	Dinesh Kumar	Site Engineer	M	24	SC	
7	Anmit Varun Renuka	Councillor	F	65	m.	
8	Ajay Singh	Ward 35 S.D.O	M	28	G	
9	B.K Renuka	103-1 Sonia	M	67	G	
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S. No.	Location	No. of Male Participant	No. of Female Participants
12.	Office of the Honourable MLA	9	1

Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: Office of Honourable MLA - Date: 12th March 2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Honorable M.L.A. - Mandeep Lal Bagga Ji	M.L.A	M			
2	Ms. Ranveer Singh	X.E.N.	M	52	G	
3	Mr. Anshul Garcha	S.O.O.	M	38	G	
4	Dr. Puneet Kaur Grewal	Social Safeguard Officer	F	39	G	
5	Dr. Avind Dubey	Social Develop Expert	M	42	G	
6	Digvijay Panwar	Social Survey Specialist	M	29	G	
7	Dinesh Kumar	Site Engineer	M	24	SC	
8	Mr. Ravinder Garg	S.F.	M.			
9	ARVIND AGG	XE.N.-A	M	54	G	
10	AKSHAY BANSAL	SDO (B&R)	M	30	G	
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S. No.	Location		No. of Male Participant	No. of Female Participants
13.	CRPF Colony	13	2	

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: CRPF Colony Date: 13/9/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Hon'ble MLA Mr. Kulwant Singh Sidhu	m.l.a	M			Kulwant
2	Dr. Punnet Kaur Grewal	Social Safeguard Expert	F	39	G	Punnet
3	Dr. Anand Dubey	Social Develop- Expert	M	42	G	Anand
4	Mr. Amandeep Grewal	SDO	M			
5	Mrs. Sonia Sandhu	Rtd. Secy	F	62	G	Sonia
6	Mr. Sunder Nishan Sharma	Rtd Excise Inspector	M	68	G	Sunder
7	Ms. Ania Sandhu	Advocate	M	65	G	Ania
8	Digvijay Panwar	Social survey specialist	m	29	G	Digvijay
9	Kamal Kataria	PA HIASAAB	M	37	G	Kamal
10	Vikramjit Singh	PA MVA side	M	50	G	Vikramjit
11	JASBIR & JASSAL	Buisness	M	60		Jasbir
12	Chaman Lal	Service	M	60	G	Chaman
13	HARMINDER Singh	Service	M	53	G	Harminder
14	Dr S.S. SIKHA	Retired HOD GADVASU	M	68	G	SSS
15	Dinesh Kumar	Site Engineer	M	24	SC	Dinesh Kumar
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S. No.	Location	No. of Male Participant	No. of Female Participants
14.	Office, Shahpur Road	8	1

Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: Office, Shahpur Road

Date: 13/3/23....

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Honble M-L.A Mr. Ashok Prakash Pappaji	M-L.A	m			
2	Dr. Pooxet Grewal	Social Safeguard Expert	F	39	G	
3	Dr. Anvind Dubey	Social Development Expert	m	42	G	
4	Digvijay Panwar	Social Survey Specialist	m	29	G	
5	Dinesh Kumar	Sit Engineer	m	24	SC	
6	Sumit Kumar	PA-MCA Sahib	M	40	G	
7	Vikas Khetker	Jen. MIA Sahib	M	23	G	
8	Baqinda Surj	SDO (com)	M	48	G	
9	Sandeep Sharma	SDO (com)	M	32	G	
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S. No.	Location	No. of Male Participant	No. of Female Participants
15.	Office of the Honourable MLA Residence	5	1

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Office of Hon'ble MLA residence Date: 13/03/2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Honble MLA Mr. Daljit Singh Anand	M.L.A	m			
2	Dr. Poozet Kaur Anand	Social Safeguard Expert	F	39	G	
3	Dr. Anand Dubey	Social Development Expert	m	42	G	
4	Digvijay Panwar	Social survey Specialist	m	29	G	
5	Dinash Kumar	Site engineer	m	27	SC	
6	Gurjeet Singh	JE (M.C.L)	M	36	G	
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16.	Office Lohara CHowk	4	2
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: Office, Lohana Chowk.

Date: 13/03/2023

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Ms. Rajinder Pal Kaur	M.L.A	F			<i>[Signature]</i>
2	Dr. Puneet Kaur Grewal	Social Security Expert	F	39	G	<i>[Signature]</i>
3	Dr. Arvind Dubey	Social Development Expert	M	42	G	<i>[Signature]</i>
4	Digvijay Panwar	Social Security Specialist	M	29	G	<i>[Signature]</i>
5	Dinesh Kumar	Site Engineer	M	29	SC	<i>[Signature]</i>
6	Amandeep S. Grewal	SDO	M	36	G	<i>[Signature]</i>
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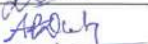
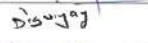
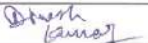
S. No.	Location	No. of Male Participant	No. of Female Participants
17.	Office of the Honourable MLA Residence	4	1

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: Office of Hon'ble MLA residence Date: 14/3/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Mr. Hardeep Singh Mundian					
2	Hon'ble M.L.A Mr. Hardeep Singh Mundian	M.L.A	m	46		
3	Dr. Poojeet Kaur Grewal	Social Survey and Expert	F	39	G	
4	Dr. Arvind Dubey	Social Development Expert	m	42	G	
5	Digvijay Panwar	Social Survey Expert	m	29	G	
6	Dinesh Kumar	Site Engineer	m	24	SC	
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Format for Public Consultation and Focused Group Discussions

18.	Basant Nagar Shivpuri	4	6
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC) Ludhiana

Name of Place/Venue: Basant Nagar Shivpuri

Date: 11/3/23

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Mr. Rakesh Prashar	Councillor ward no-84	M	60		<i>[Signature]</i>
2	Smt. Sunita Rani	Councillor W.No-85	F	65		<i>[Signature]</i>
3	Dyvijay Panwar	Surveyor Social Survey Specialist	M	29	G	<i>[Signature]</i>
4	Dr. Avind Dubey	Social Development Expert	m	42	G	
5	Dinesh Kumar	Site Engineer	m	24	S.C	
6	Dr. Puneet Kaur Grewal	Social Safeguard Expert	F	39	G	<i>[Signature]</i>
7	Hon'ble Sd. Deputy Mayor Shyam Sunder Mathotra	Sd. Deputy Mayor	R	65	G	<i>[Signature]</i>
8	Hon'ble councillor Mandeep Kaur	Ward Councillor L.No-13	F	28	S.C	<i>[Signature]</i>
9	Hon'ble Councillor Smt. Poonam Mathotra	Ward Councillor w.No-65, Zone D	F			<i>[Signature]</i>
10	Pooja Patel	Deputy Manager Gender Expert	F	30	ST	<i>[Signature]</i>
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S. No.	Location		No. of Male Participant	No. of Female Participants
19.	Ward Office of Councillor	5	0	

S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: *Respective ward office of councillor* Date: *March 15, 23*
LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	<i>Navneet S. Ghail</i>	<i>Councillor 20-B</i>	<i>Male</i>	<i>38</i>		<i>[Signature]</i>
2	<i>Mr. S. Gurbinder Singh Nishi</i>	<i>Councillor 52-B</i>	<i>Male</i>	<i>39</i>	<i>98215-06855 98728-00675</i>	<i>[Signature]</i>
3	<i>Mrs. Sukinder Kaur Mauna</i>	<i>COUNCILOR W-NO-54</i>	<i>M</i>		<i>97797 00076</i>	<i>[Signature]</i>
4	<i>Mr. Pankaj Sharma</i>	<i>Councillor W-No-74, Zone D</i>	<i>m</i>	<i>48</i>	<i>98140 54186</i>	<i>[Signature]</i>
5	<i>Mr. Baljinder Singh</i>	<i>Councilor W-No-68, Zone D</i>	<i>m</i>		<i>98114 02220</i>	<i>[Signature]</i>
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20.	MC Zone A Office	7	2
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Zone A office of Municipal Corporation Date: 16/03/2023
LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Hon'ble Mr. Balkar Singh Sandhu	Mayor	m			
2	Hon'ble Mr. Jai Prakash	Councillor Ward No-90, D	m			Balkar
3	Jaspreet Singh Ji					Jaspreet
4	Dr. Rameez Karim	Social Safeguard	f	39	G.	Rameez
5	J P M	w.No-90, D	m	90		J P M
6	Dr. Jai Prakash	Councillor w.No-90, D	m			
7	Digvijay Panwar	Social Survey Specialist	m	29	G	Digvijay
8	Hon'ble Mr. Sahabjeet Singh Laddi	Councillor w.No-6, A	m	48		Sahabjeet
9	Tejja Patel	Deputy Manager (Voyants)	F	31	ST	Tejja Patel
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21.	Ward Office @Dhandari Khard	5	1
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S. No.	Location	No. of Male Participant	No. of Female Participants
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Punjab Municipal Infrastructure Development Company (PMIDC)



Name of Place/Venue: Ward office (28) @ Dhandasi Khurd Date: 18/3/23
LIST OF PARTICIPANTS



S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Horibla Mr. Paramjit Singh Garcha	Councillor Ward-28, B	m	47		Paramjit Singh
2	Digvijay Panwar	Social Survey Specialist	m	29	G	Digvijay
3	Dinesh Kumar	Site Engineer	m	24	SC	Dinesh Kumar
4	Pooja Patel	Deputy Manager	F	30	ST	Pooja Patel
5	Mammothan Singh	CLinic	M	57	G	Mammothan Singh
6	Shamir Sehgal	Laboratory	M	29	G	Shamir Sehgal
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2. Meetings of Meeting of Consultations with Ward Councilors and MLAs

A. Consultations with Ward Councilors

Ward No. and Location	Date and Time	Names	Discussion Points	Photographs
<p>20-B</p> <p>Ward Councilors Office, Vijay Nagar</p>	<p>15/03/2023</p> <p>At 13:30</p>	<p>Mr. Navneet Singh Ghel</p> <p>Dr. Puneet Grewal</p>	<ul style="list-style-type: none"> The ward councilor mentioned that the area is located at a high elevation, thus, to supply water, high water pressure will be required. He emphasized the necessity of installing water meters in the area due to the high-water wastage observed. The water tariff must be normalized considering the area and the usage, as suggested by the councilor. It was brought to notice that an individual household often accommodates 8-9 people – a factor contributing to the high-water usage and wastage per household. 	
<p>74</p> <p>Near Avtar Sweets</p>	<p>15/03/2023</p> <p>At 15:30</p>	<p>Mr. Pankaj Sharma</p> <p>Dr. Puneet Grewal</p>	<ul style="list-style-type: none"> The E&S Consultant outlined the project, including the number of existing and proposed Elevated Service Reservoirs (ESRs) in ward no. 74. The specific location for a proposed ESR to be constructed in the park area of New Aggar Nagar society was discussed. The councilor mentioned that the park area was administered by the local welfare society and that an existing ESR serviced by a resident operator already occupied part of the 	



Ward No. and Location	Date and Time	Names	Discussion Points	Photographs
			<p>location. He suggested an alternate government-owned plot that had previously been allocated for a garbage disposal site.</p> <ul style="list-style-type: none"> The councillor expressed concerns about potential water wastage, suggesting that 24/7 water supply would lead to misuse like car washing and continuous water flow. The councillor mentioned the importance of water meter monetization and suggested a variable water charge based on consumption to reduce water wastage. 	
68 Ward Councillor's Office	15/03/2023 At 16:30	Mr. Baljinder Singh Dr. Puneet Grewal	<ul style="list-style-type: none"> The project components were briefed to the councillor, including the current and proposed Elevated Service Reservoirs (ESRs) in ward no. 68. A point of concern was the stability of the existing ESR structure which was seen as hazardous. The councillor, who is an experienced engineer, shared his insights regarding the laying of the transmission line. He noted concerns about the frequent issues related to the motor that pumps drinking water, widespread water logging issues including sewerage water logging, and failures in connections between sewerage and drinking water lines leading to water logging problems, particularly in narrow streets. He also pointed out that the ward he represents is economically disadvantaged, housing the Jawaharlal labour colony. 	



Ward No. and Location	Date and Time	Names	Discussion Points	Photographs
			<ul style="list-style-type: none"> In discussing gender-related issues, he mentioned instances of domestic violence, and the presence of firearms in some households. He voiced skepticism towards the effectiveness of the Grievance Redressed Mechanism (GRM) in its current form, emphasizing that electronic modes might not be the best solution in his ward. He suggested improving the mode of grievance addressing and proposed that a dedicated person be assigned to the GRM to ensure its effective functioning. He requested being informed two weeks ahead of the commencement of any transmission line or ESR work so that he could notify residents and obtain their cooperation. 	
6-Zone A Ward Councilor's Office	16/03/2023 At 13:00	Mr. Sarabjeet Singh Dr. Puneet Grewal	<ul style="list-style-type: none"> The councilor was given an explanation on project components, including the number of existing and proposed Elevated Service Reservoirs (ESRs) in ward no. 6. The councilor highlighted that a government school is currently under construction at the same site proposed for an ESR. His area has approximately 1100 households and faces significant encroachment issues. It was mentioned that the proportion of properties rented is high, there is a nearby industrial area, and there are many illegal joint connections for the sewer line 	




Ward No. and Location	Date and Time	Names	Discussion Points	Photographs
			<p>in the area. All tube wells in the area are functioning properly and currently, no water bills are received.</p> <ul style="list-style-type: none"> The councilor suggested that water bills should be sent to individual households in multi-story buildings, rather than to the building as a whole. Lastly, the councilor requested that construction work be carried out during night hours to minimize disruptions. 	
<p>28- B, Slum Area, Dhandari Khurd</p> <p>Ward Councilor's Office</p>	<p>18/03/2023</p> <p>At 10:00</p>	<p>Mr. S. Paramjit Singh</p>	<ul style="list-style-type: none"> The councilor was briefed on the project components, including the number of existing and proposed Elevated Service Reservoirs (ESRs) in ward no. 28. The councilor shared information about the area – Dhandari Khurd, a slum with a population around 500,000. Most of the residents are laborers, agriculture labor, and factory workers, highlighting the socio-economic challenges facing the area. He also mentioned the issue of property encroachment as prevalent in the area. The water quality in the area was highlighted as a serious concern, with groundwater highly contaminated due to the proximity of industries. The councilors mentioned that residents currently face year-round water shortages and depend on two daily water supplies. He noted that the existing sewer and water lines are damaged and require urgent attention. He also 	 

Ward No. and Location	Date and Time	Names	Discussion Points	Photographs
			<p>mentioned that the existing water tanks in Phase 7 and 8 are structurally damaged and recommended their demolition.</p> <ul style="list-style-type: none"> Lastly, the councilor pointed out possible road blockages during the construction of the transmission line. 	

B. Consultations with Members of Legislative Assembly (MLAs)

S.No.	Date	Location	Name of Participants	Discussion Points	Photographs
1	12/03/2023	Office of Hon'ble MLA	Mr. Madan Lal Bagga (MLA) Mr. Ravinder Garg (SE) Mr. Arvind (XEN) Mr. Akshay Bansal (SDO B&R) Mr. Ranveer Singh (XEN) Mr. Anshul Garcha (SDO) Dr. Puneet Grewal	<ul style="list-style-type: none"> The consultation team gave an overview of the project features including the proposed Water Treatment Plant (WTP), transmission line network and Elevated Service Reservoirs (ESRs). It was suggested that demarcation in critical areas be prioritized, and pipe laying should occur at night in busy areas to minimize disruption. 	
2	12/03/2023	Residence of Hon'ble MLA	Mr. Gurpeet Bassi Gogiji (MLA) Mr. Amrut Varla (Ward Councilor) Mr. Arjun Sikka (Ward Councilor) Mr. B K (Ward Councilor) Mr. Ekjot Singh (XEN) Dr. Puneet Grewal	<ul style="list-style-type: none"> The construction schedule should be distributed in advance and modified 	

S.No.	Date	Location	Name of Participants	Discussion Points	Photographs
3	March 13, 2023	CRPF Colony	Mr. Kulwant Singh Sidhu (MLA) Mrs. Sonia Gandhi (Retired Lecturer) Mr. Surender Mohan (Retired Excise Inspector) Mr. Anie Sauthia (Advocate) Mr. kamal Kapoor (PA MLA) Mr. Jasbir Jassal (Businessman) Mr. Chamlal Mr. Harminder Dr. S. S. Sikka (Retired HOD) Mr. Amardeep Grewal (SDO) Dr. Puneet Grewal	<p>around significant social functions.</p> <ul style="list-style-type: none"> Roads should be immediately restored after pipe laying, and debris quickly removed. Efforts should be made to avoid damaging new or existing roads. Consideration should be given to ensuring consistent water pressure irrespective of the area's elevation. Intermittent provision of recto-chlorine at every ESR was recommended. 	
4	March 13, 2023	Office, Shahpur Road	Mr. Ashok Prashar Pappi (MLA) Mr. Vikas Prashar (Son of MLA) Mr. Sumit Kumar (PA of MLA) Dr. Puneet Grewal Mr. Barjinder (SDO OPM) Mr. Sandeep Sharma (SDO OPM)	<ul style="list-style-type: none"> An increase in the WTP capacity to match the growing population of the city was proposed. It was suggested that water wastage could become a problem with a 24x7 water 	


S.No.	Date	Location	Name of Participants	Discussion Points	Photographs
5	March 13, 2023	Office of Hon'ble MLA	Mr. Daljit Singh Garewal (MLA) Dr. Puneet Grewal Mr. Gurjeet Singh (JE MCL)	<p>supply; therefore, smart meters, appropriate tariffs and awareness campaigns should be implemented.</p> <ul style="list-style-type: none"> Recommendations were made for an alternative water supply during canal maintenance and more promotion of Rainwater Harvesting systems. 	
6	March 13, 2023	Office of Hon'ble MLA, Lohara Chowk	Ms. Rajender Pal Kaur (MLA) Dr. Puneet Grewal Mr. Amandeep S. Grewal (SDO)	<ul style="list-style-type: none"> The Atam Nagar MLA proposed a sub-station for water supply in the Gill Road, Atam Nagar area. Outdated, non-functional ESRs should be demolished and replaced with new, capacity appropriate ESRs. 	
7	March 14, 2023	Office of Hon'ble MLA	Mr. Hardeep Singh Mundian (MLA) Dr. Puneet Grewal	<ul style="list-style-type: none"> Provisions should be made for open small tanks for livestock drinking water. Soil testing should be conducted at every proposed ESR site and validated by an independent agency. Emphasis was placed on ensuring no pipe joint leakage and installation of a 	

S.No.	Date	Location	Name of Participants	Discussion Points	Photographs
				<p>SCADA system for monitoring.</p> <ul style="list-style-type: none">• Contractor payment should only be released after verification by the authority and verification agency.	

3. Minutes of Meetings of Consultations at ESRs and Site Visits


Number of Male Participants	726
Number of Female Participants	145
Number of Total Participants	871

1. ESR No. 11, Daresi Opposite Geeta Mandir

Date	06.11.2023
ESR No.	11. Daresi Opposite Geeta Mandir
Zone	A
ESR Type	Existing
Participants	Park User, SDO and JE, Municipal Corporation of Ludhiana
Observations	<p>The Elevated Service Reservoir (ESR) has a history dating back more than 40 years and has been out of operation for the past 10 years. The land it sits on is owned by the State Government and possessed by MCL. During a site visit, it was noted that the area serves as a gathering place, with around 25-30 individuals observed spending their leisure time playing cards. The site, home to two Eucalyptus trees and one Peepal tree, is currently not encumbered by any encroachments.</p> <p>During the discussions with local community, a preference for the renovation of the non-working ESR was observed.</p>
Photographs	 <p>The left photograph shows a tall, cylindrical concrete structure, the Elevated Service Reservoir, surrounded by trees and a dirt path. The right photograph shows a group of people, including men and women, gathered around the base of the structure, engaged in conversation. A watermark 'www.mcl.ludhiana.gov.in' is visible in the bottom right corner of the right photograph.</p>


2. ESR No. 12, Geeta Mandir Park Opp Dareshi Ground

Date	06.11.2023
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ESR No.	12. Geeta Mandir Park Opp Dareshi Ground
Zone	A
ESR Type	Proposed
Participants	Park User, SDO and JE, Municipal Corporation of Ludhiana
Observations	<p>The site under consideration is possessed by the Municipal Corporation of Ludhiana (MCL). A recent site visit revealed that the area is actively used by around 25-30 people for activities including card playing during their spare time. The proposed location for the project is at one corner of the park, and it was observed that no trees would be negatively impacted by the project at the proposed site. The office of the Electrical Department is located adjacent to the park's corner.</p> <p>Importantly, the site is unencumbered by any encroachments. Furthermore, nearby community has expressed no objections to having the new ESR constructed at the park's corner during consultation</p>
Photographs	

3. ESR No. 138, Division No. 4, Opposite Police Station

Date	06.11.2023
ESR No.	138, Division No. 4, Opposite Police Station
Zone	A
ESR Type	Existing
Participants	Motor Operator, SDO and JE, Municipal Corporation of Ludhiana



Observations	<p>The land of the site is in possession of the MCL. The existing tank is more than 50 years old. It is operational and used to fill water tankers of MCL. It also used for supply of water in nearby market area.</p> <p>No trees in vicinity will be impacted if the existing tank is demolished and reconstructed.</p>
Photographs	

4. ESR No. 13, Geeta Mandir Park Opp Dareshi Ground


Date	06.11.2023
ESR No.	13. Geeta Mandir Park Opp Dareshi Ground
Zone	A
ESR Type	Proposed
Participants	Temple Priest, SDO and JE, Municipal Corporation of Ludhiana
Observations	<p>The site under consideration is possessed by the Municipal Corporation of Ludhiana (MCL). A recent site visit revealed that the area is actively used by around 25-30 people for activities including card playing during their spare time. The proposed location for the project is at one corner of the park, and it was observed that no trees would be negatively impacted by the project at the proposed site. The office of the Electrical Department is located adjacent to the park's corner.</p> <p>Importantly, the site is unencumbered by any encroachments. Furthermore, nearby community has expressed no objections to having the new ESR constructed at the park's corner during consultation</p>



5. ESR No. 135, Shekhewal

Date	07.11.2023	
ESR No.	135. Shekhewal	
Zone	A	
ESR Type	Existing	
Participants	Local Residence, SDO and JE, Municipal Corporation of Ludhiana	
Observations	<p>Constructed over 40 years ago on a plot of land possessed by the Municipal Corporation of Ludhiana (MCL), this Elevated Service Reservoir (ESR) has been non-functional for the past 8-10 years. The site houses a MCL tube-well, which remains operational, providing a source of water. The ESR is situated in an area that blends residential and industrial buildings, with such structures found on all four sides of the ESR. Present on site are two small Peepal trees, and two Neem trees. Given the non-operational status of the ESR, there is a common sentiment among the local residences and nearby community that wants the old structure to be renovated.</p> <p>During the consultation, residents expressed their appreciation for the potential benefits of the project, particularly the provision of fresh water supply, which they highlighted as being of crucial importance.</p>	
Photographs		

6. ESR No. 23, Shifali School Park, Sundar Nagar

Date	07.11.2023	
ESR No.	23. Shifali School Park, Sundar Nagar	
Zone	A	
ESR Type	Proposed	
Participants	Local Residence, SDO and JE, Municipal Corporation of Ludhiana	
Observations	<p>The suggested location for the project is a well-kept, small park approximately 100 x 30 meters in size, managed by the residents. This park is a popular spot for morning walks, yoga, gym activities, and children's play. The park is surrounded by residential area and sits on land that is in possession of Municipal Corporation of Ludhiana (MCL). Inside the park, there is a non-operational tube-well. Nearby, just outside the park's boundaries, is a school and a Dharmshala.</p> <p>During the discussions with a few residents, concerns were raised regarding the expected decrease in recreational space and potential impact on property values due to the proposed project. However, despite these concerns, residents also expressed their appreciation for the potential benefits of the project, particularly the provision of fresh water supply, which they highlighted as being of crucial importance.</p>	
Photographs		


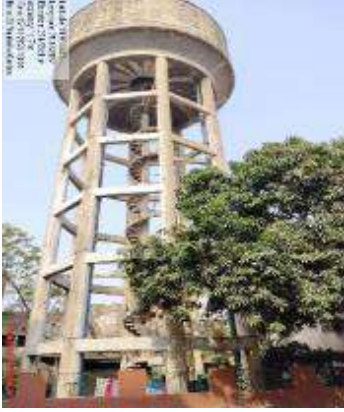


7. ESR No. 14, Sundar Nagar Park

Date	07.11.2023	
ESR No.	14. Sundar Nagar Park	
Zone	A	
ESR Type	Proposed	
Participants	Local Residence, SDO and JE, Municipal Corporation Ludhiana	
Observations	<p>The site, owned by the Municipal Corporation Ludhiana (MCL), currently serves as a recreational space for morning walks, yoga, gym activities, and is frequented by children for play. There are approximately 22 trees located alongside the park's boundary wall. A police station is situated just outside the boundary of the park. Beyond the park boundary are a mix of residential and commercial buildings. An operational tube-well can be found within the park limits. Local residents have expressed their full support for the construction of the Elevated Service Reservoir (ESR) during consultations.</p> <p>During the discussions with residents in the area, concerns were raised regarding the expected decrease in recreational space and potential impact on property values due to the proposed project. However, despite these concerns, residents also expressed their appreciation for the potential benefits of the project, particularly the provision of fresh water supply, which they highlighted as being of crucial importance.</p>	
Photographs		

8. ESR No. 22, Naulakha Garden

Date	07.11.2023
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ESR No.	22. Naulakha Garden	
Zone	A	
ESR Type	Existing	
Participants	Local Residence, SDO and JE, Municipal Corporation of Ludhiana	
Observations	<p>The existing ESR is located one side of a small park. It is not functional since last 6-7 years. The land is in possession of MCL. One side of the ESR is lined with DD Jain School, two sides are bordered by residential buildings, and one side opens onto a park.</p> <p>Throughout the consultation, community members expressed their desire to have the existing ESR renovated/ demolished and replaced with new ESR. They voiced their concerns about the potential risks to life and public property that could arise during the demolition process. As a result, it was agreed that the demolition should be handled by a professional agency equipped with the necessary expertise to ensure proper risk mitigation and adherence to safety measures.</p>	
Photographs		

9. ESR No. 25, Open Land Opposite Old Jail Road

Date	07.11.2023
ESR No.	25. Opposite Jail Road
Zone	A
ESR Type	Proposed
Participants	SDO and JE, Municipal Corporation of Ludhiana
Observations	The proposed site is currently under the ownership of GLADA and possession of MCL. The land is presently being used for the dumping of municipal solid waste. The site houses an operational



	tube-well, owned by the Municipal Corporation of Ludhiana (MCL). On one side of the proposed site lies a Civil Hospital and Children's Park while a Dental College sits on the opposite side.	
Photographs		

10. ESR No. 26, Children Park

Date	07.11.2023
ESR No.	26, Children Park
Zone	A
ESR Type	Proposed
Participants	SDO and JE, Municipal Corporation of Ludhiana
Observations	The park is well developed and maintained by MCL, however the ownership of the land where ESR is proposed is owned by GLADA. The park is spread in approximately 5-6 acres of land. No tree is falling at the proposed location of ESR. The site is bordered on one side by the Civil Hospital and on another side by the Electrical Board Office. An electric wire runs close to the proposed ESR.
Photographs	 



11. ESR No. 134, Subhani Building

Date	07.11.2023
ESR No.	134, Subhani Building
Zone	A

ESR Type	Existing (MS ESR)	
Participants	Local People, SDO and JE, Municipal Corporation of Ludhiana	
Observations	<p>The site, belonging to Punjab Urban Planning and Development Authority, is in possession of the Municipal Corporation of Ludhiana (MCL) for more than 50 years. There is a Mild Steel (MS) Elevated Service Reservoir (ESR) which is functional and is utilized to fill MCL's water tankers.</p> <p>During conversations with individuals in the nearby market area, positive feedback was received. They expressed that the move was beneficial as the ESR is old and renovation is required. The prospect of fresh water supply to the marketplace and shops was received well and the people seemed pleased about these developments.</p>	
Photographs		

12. ESR No. 21, Town Hall, near Zone-A MCL Office

Date	07.11.2023
ESR No.	21, Town Hall, MCL Zone-A Office
Zone	A
ESR Type	Existing
Participants	SDO and JE, Municipal Corporation of Ludhiana
Observations	<p>The ESR is not functional since last 3-4 years and exist near MCL Office, Zone-A. The ownership of the land where the ESR is built belongs to MCL. One side of the ESR is multiple car parking of MCL and another side is Zone-A Office. Near the ESR and outside of the boundary is Chauda Bazar. Renovation of the existing tank is required.</p>

Photographs		
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13. ESR No. 08, Near Shiv Temple, MCL Office Zone-A4, GT Road

Date	09.11.2023
ESR No.	8. Near Shiv Temple, GT Road, MCL Office Zone-A4
Zone	A
ESR Type	Proposed
Participants	JE and Other MCL Staff Municipal Corporation of Ludhiana
Observations	<p>The site is proposed on MCL Land at the adjacent to Zone-A-4 Office. Currently the site is used for dumping of construction and demolition waste of MCL. No residential area is falling within 500m of the proposed site. The Shiv temple borders the site to the east while the GT Road runs along the west and southeast sides. To the south, there's an MCL Office, and the north side has a road leading to an open space. High tension and low-tension power lines traverse over the site. Nearby is also an operational clinic and an existing tube-well. Importantly, no trees within the proposed project site will need to be removed.</p> <p>A consultation with the Power Department is further required to understand the process for shifting of HT/ LT lines.</p>




14. ESR No. 10, Manna Singh Nagar, GT Road


Date	09.11.2023
ESR No.	10, Manna Singh Nagar, at MCL Office, Zone A-4, GT Road
Zone	A
ESR Type	Existing
Participants	JE and Other MCL Staff Municipal Corporation of Ludhiana
Observations	The current ESR, which is non-operational for about 7-8 years, is constructed on land which is in possession of Municipal Corporation of Ludhiana (MCL). The ESR is situated within a boundary wall in a park adjacent to the GT road. An operational tube-well also exists within the park. On one side of the ESR is the GT road, while the other side features a residential area with various shops more than 100 meters away. The site also includes power lines, multiple poles, and a transformer.

<p>Photographs</p>		
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15. ESR No. ESR No. 09, Manna Singh Nagar

<p>Date</p>	<p>09.11.2023</p>
<p>ESR No.</p>	<p>ESR No. 09, GT Road, Manna Singh Nagar</p>
<p>Zone</p>	<p>A</p>
<p>ESR Type</p>	<p>Proposed</p>
<p>Participants</p>	<p>JE, Municipal Corporation of Ludhiana</p>
<p>Observations</p>	<p>The proposed location for the Elevated Service Reservoir (ESR) is in a park lined by a boundary wall along the GT road, owned by the Municipal Corporation of Ludhiana (MCL). Currently, this park is not being utilized by the public. Inside the park boundary, there are approximately 10 Eucalyptus trees. An electric cable that passes through the park will need to be relocated due to the ESR's construction. A discussion with the Power Department will be necessary to comprehend the process of shifting high/low tension lines. There aren't any residential areas within a 200-meter radius of the planned site.</p>
<p>Photographs</p>	

16. ESR No. 07, Opposite Church, Piru Banda Mohalla, GT Road

Date	09.11.2023
ESR No.	07, Opposite Church, Piru Banda Mohalla, GT Road
Zone	A
ESR Type	Proposed
Participants	Local Residence, Shop-owners and JE, Municipal Corporation of Ludhiana
Observations	<p>The proposed site for the project is enclosed within the boundaries of a park situated along the GT Road. The land is owned by the Municipal Corporation of Ludhiana (MCL). The park boasts a multitude of shrubs and greenery, including seven small Neem trees situated at the proposed project site. The park serves as a communal space for residents and children, often used for yoga, morning walks, and play activities. Adjacent to the site is the GT Road on one side and a church along with a residential area on the other.</p> <p>During discussion, people gave their consent. There were worries about the decrease in recreational areas, however the advantages outweighed these apprehensions.</p>
Photographs	

17. ESR No. 04, Netaji Park, Salim Tabri, New Kartar Nagar

Date	09.11.2023
ESR No.	04. Netaji Park, Salim Tabri, Kartar Nagar
Zone	A
ESR Type	Proposed
Participants	Local Residence and JE, Municipal Corporation of Ludhiana
Observations	<p>The proposed ESR is planned to be set in a walled park which is in possession of MCL. Residential buildings surround the park. The park, nestled among residential buildings, is small yet well-maintained, offering a location for local inhabitants to partake in yoga, strolls, and a play area</p>

for their children. The proposed ESR site boasts a Neem tree, a Bel tree, and four Tun trees, alongside an MCL-controlled functioning tube-well situated within the park's confines.

Some residents raised concerns about the potential negative aesthetic impact of the ESR on the park's physical appeal, However there was overall support for the project during a community meeting





18. ESR No. 05, Sant Rajinder Punjabi Bagh

Date	09.11.2023
ESR No.	05, Sant Rajinder Punjabi Bagh
Zone	A
ESR Type	Proposed
Participants	Local Residence and JE, Municipal Corporation of Ludhiana
Observations	<p>The site under consideration is a small, enclosed park (approximately 30 x 20 m), in possession of the MCL. Within the confines of residential buildings lies the park, home to two grand peepal trees, two tun trees, and a currently active MCL tube-well. The park serves multiple functions as a space for yoga, physical exercise, and a children's play area.</p> <p>Local inhabitants generally favored the proposed project, however, concerns has been expressed over the diminutive size of the park, which is already somewhat limited due to the presence of the tube-well.</p>



Photographs		
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19. ESR No. 01, Ashok Nagar

Date	09.11.2023	
ESR No.	01, Ashok Nagar	
Zone	A	
ESR Type	Existing	
Participants	Local People, Women and JE, Municipal Corporation of Ludhiana	
Observations	<p>The current ESR is situated within the confines of a crematorium and is in possession of MCL. The ESR, built 20-30 years ago, has been inoperative for the last 5-6 years.</p> <p>Residents are in favor of the project, expressing a desire to renovate the existing ESR or replace the old, non-operational ESR with a new one. They have lodged several complaints about foul smells and the contaminated water in the area provided by the MCL.</p>	
Photographs		

20. ESR No. 02, Akash Nagar

Date	09.11.2023	
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ESR No.	01, Akash Nagar	
Zone	A	
ESR Type	Proposed	
Participants	Local residence and JE, Municipal Corporation of Ludhiana	
Observations	<p>The proposed location for the ESR is a small park, approximately 20x40 meters in size, maintained and possessed MCL. The park, surrounded by residential buildings, houses an operational tube-well and is primarily used for children's play, yoga, and walks, with no significant trees apart from shrubs.</p> <p>The local residents and park users are in favour of constructing the ESR within the park which will supply treated water to the residents.</p>	
Photographs		

21. ESR No. ESR No. 19, Basant Vihar, Ward No. 03, Ludhiana

Date	17.11.2023
ESR No.	ESR No. 19, Basant Vihar, Ward No. 03, Ludhiana
Zone	A
ESR Type	Existing
Participants	JE, Municipal Corporation of Ludhiana
Observations	The non-operational ESR is situated on a small open plot in possession of MCL and is surrounded by residential buildings about 30-50 meters away. It has been inactive for the last 10 years, and residents have suggested its renovation or demolition. Aside from small shrubs, there are no trees noted near the existing ESR.

Photographs		
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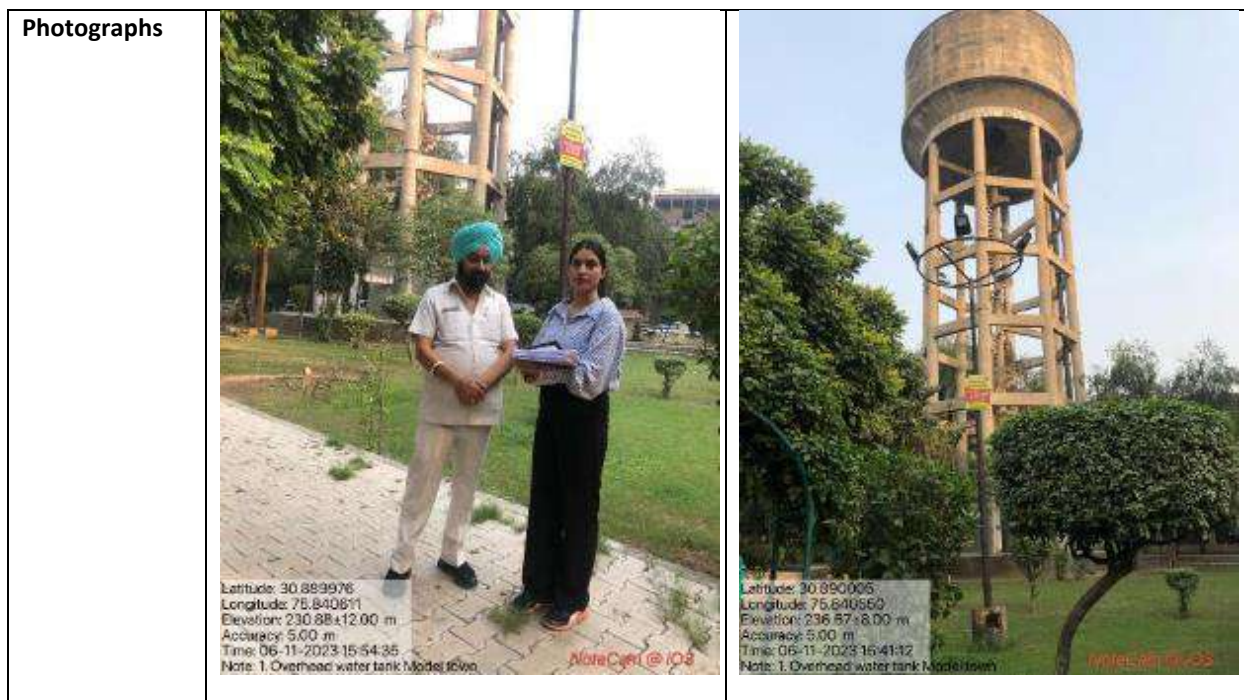
22. ESR No. 92, 13 no. Tubewell Park

Date	06.11.2023
ESR No.	92
ESR Location	13 no. Tubewell Park
Zone	D2
ESR Type	Proposed
Participants	Local Resident, Park Users and J.E (Municipal Corporation, Ludhiana)
Observations	<p>The ESR is planned to be situated at the corner of the park. While no tree-cutting is anticipated, the installation of the ESR may impact large-canopy trees such as one Arjuna (<i>Terminalia arjuna</i>) tree and one Neem (<i>Azadirachta indica</i>) tree. The contractor will be responsible for their transplantation. Currently, there are two malfunctioning tube wells within the park.</p> <p>The park is maintained by the MCL and is currently in their possession.</p>



23. ESR No. 93, Model Town Gole Market

Date	06.11.2023
ESR No.	93
ESR Location	Model Town Gole Market
Zone	D2
ESR Type	Existing
Participants	Local Resident and J.E (Municipal Corporation, Ludhiana)
Observations	<p>The ESR currently exists, however it has been left unused due to maintenance needs. The park is home to one existing tube well. Water is supplied twice a day, although it is not considered safe for drinking, particularly during the monsoon season. The land parcel is in possession of MCL as it has an existing tubewell.</p> <p>Residents have expressed their complete support for the project if it ensures the ESR is properly maintained and supplied with treated water.</p>



24. ESR No. 86, Lal Quarters Azad Nagar (Abdulpur)



Date	06.11.2023
ESR No.	86
ESR Location	Lal Quarters Azad Nagar (Abdulpur)
Zone	D2
ESR Type	Proposed
Participants	Local Resident and J.E (Municipal Corporation, Ludhiana)
Observations	<p>The proposed land parcel is in possession of MCL. Residents shared that the previous ESR was found leaking, due to which it was demolished, and a park was established in its place. Since then, the park has been maintained by MCL.</p> <p>Residents supported the proposal to construct an ESR with treated water supply, which they believe will be beneficial for drinking water purposes.</p>

Photographs



25. ESR No. 87, Atam Nagar

Date	06.11.2023
ESR No.	87
ESR Location	Atam Nagar

Zone	D2
ESR Type	Existing
Participants	Municipal Corporation service women and J.E (Municipal Corporation, Ludhiana)
Observations	The current ESR is non-operational due to poor condition and structural damage. The land is in possession of MCL. The existing ESR is proposed to be renovated and made operational.
Photographs	 <p>Latitude: 30.8878854 Longitude: 75.8031908 Elevation: 221.09+76.00 m Accuracy: 10.00 m Time: 06-11-2023 10:24:20 Note: 1. From top of ESR structure location</p>  <p>Latitude: 30.8886733 Longitude: 75.8019443 Elevation: 154.68+24.92 m Accuracy: 1918.50 m Time: 06-11-2023 10:40:16 Note: 1. From top of ESR structure location</p>

26. ESR No. 88, Dugri

Date	07.11.2023
ESR No.	88
ESR Location	Dugri
Zone	D2
ESR Type	Existing
Participants	Shopkeeper, Local Resident and J.E (Municipal Corporation, Ludhiana)
Observations	The existing ESR is located on land which is in possession of the MCL. This structure, despite its lack of functionality, remains in use by nearby localities and shopkeepers, who tap into its existing three tube wells. The ESR necessitates renovation and regular maintenance.

Photographs	
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27. ESR No. 89, Urban Estate Dugri Main Durga Mandir

Date	07.11.2023
ESR No.	89
ESR Location	Urban Estate Dugri Main Durga Mandir
Zone	D2
ESR Type	Existing
Participants	Motor Operator, Area Incharge and J.E (Municipal Corporation, Ludhiana)
Observations	Currently, the existing ESR is primarily used for storage purposes and only supplies water to tankers in nearby localities during emergencies. The possession of the land is with MCL. Regular water supply has been hindered due to a minor leak in one of the four pipes and the presence of organic matter in the reservoir. Following necessary renovation, the ESR is expected to provide efficient 24-hour water supply.





28. ESR No. 90, Community Centre Phase 2 South

Date	07.11.2023
ESR No.	90
ESR Location	Community Centre Phase 2 South
Zone	D2
ESR Type	Existing
Participants	Motor Operator, Area Incharge and J.E (Municipal Corporation, Ludhiana)
Observations	The current ESR, which is in use and supplies water once a day, is situated near a community center, a school, residential buildings, and a ring road where roadside planting can be observed. The land parcel is owned by GLADA, and land is in possession of MCL. No objection certificate from GLADA is obtained.

Photographs	 <p data-bbox="428 722 591 810">Latitude: 30.865138 Longitude: 75.833695 Elevation: 253.414.00 m Accuracy: 6.00 m Time: 07-11-2023 13:22:15 Note: 90/Community Centre Phase 2 South</p>	 <p data-bbox="932 722 1094 810">Latitude: 30.865306 Longitude: 75.833790 Elevation: 252.664.00 m Accuracy: 10.00 m Time: 07-11-2023 13:17:22 Note: 90/Community Centre Phase 2 South</p>
	 <p data-bbox="428 1373 591 1461">Latitude: 30.869482 Longitude: 75.821742 Elevation: 251.734.00 m Accuracy: 30.00 m Time: 07-11-2023 13:54:50 Note: Ring road near 91/ESR Dugri Phase 3</p>	 <p data-bbox="932 1373 1094 1461">Latitude: 30.868003 Longitude: 75.833731 Elevation: 252.474.00 m Accuracy: 10.00 m Time: 07-11-2023 13:18:21 Note: 90/Community Centre Phase 2 South</p>



29. ESR No. 91, Dugri Phase 3

Date	07.11.2023
ESR No.	91
ESR Location	Dugri Phase 3
Zone	D2

ESR Type	Proposed	
Participants	Local Resident, Park users and J.E (Municipal Corporation, Ludhiana)	
Observations	<p>The proposed location for the ESR is in a corner of the park, where no tree cutting will be necessary due to ample space. The ownership and possession of the land is with GLADA. No objection certificate from GLADA is obtained.</p> <p>Currently, water is supplied twice a day, although it's not clean enough for drinking, particularly during the monsoon season. Local residents fully support the construction of the ESR if it involves treated water supply, as this would enhance water quality.</p>	
Photographs		

30. ESR No. 94, Shastri Nagar

Date	07.11.2023
ESR No.	94
ESR Location	Shastri Nagar
Zone	D2
ESR Type	Existing
Participants	Park users and J.E (Municipal Corporation, Ludhiana)
Observations	<p>The current ESR is non-operational; hence it is proposed to renovate or reconstruct the structure. The ESR is situated near a transmission line and a cluster of trees. The ownership of the land belongs to Ludhiana Improvement Trust. No objection certificate from the trust is received. A consultation with the Power Department is further required to understand the process for shifting of HT/ LT lines.</p>

Photographs		
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31. ESR No. 101, BRS Nagar H Block

Date	08.11.2023
ESR No.	101
ESR Location	BRS Nagar H Block
Zone	D3
ESR Type	Existing
Participants	Shopkeeper, Local Residents, SDO Assistant and one Senior Official of Municipal Corporation, Ludhiana
Observations	<p>The ESR in the location is nearly 40 years old and is partially operational. The land on which the existing ESR is built is in possession of the MCL. At present, nearby localities and shopkeepers rely on approximately 10 nearby tubewells for their water supply, which is available three times per day.</p> <p>During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.</p>



32. ESR No. 103, Citizen Enclave

Date	08.11.2023
ESR No.	103
ESR Location	Citizen Enclave
Zone	D3
ESR Type	Proposed
Participants	Shopkeeper, Local Residents, SDO Assistant and one Senior Official of Municipal Corporation, Ludhiana
Observations	<p>The land parcels where ESR is proposed is in possession of MCL, located in a park which is maintained by MC. The residents receive water supply thrice daily and have raised concerns about its quality. In response, they rely on submersible tube wells for their household water requirements.</p> <p>During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.</p>

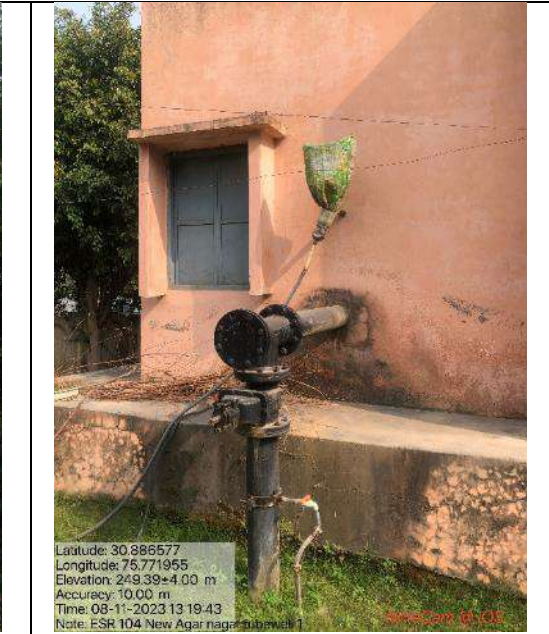
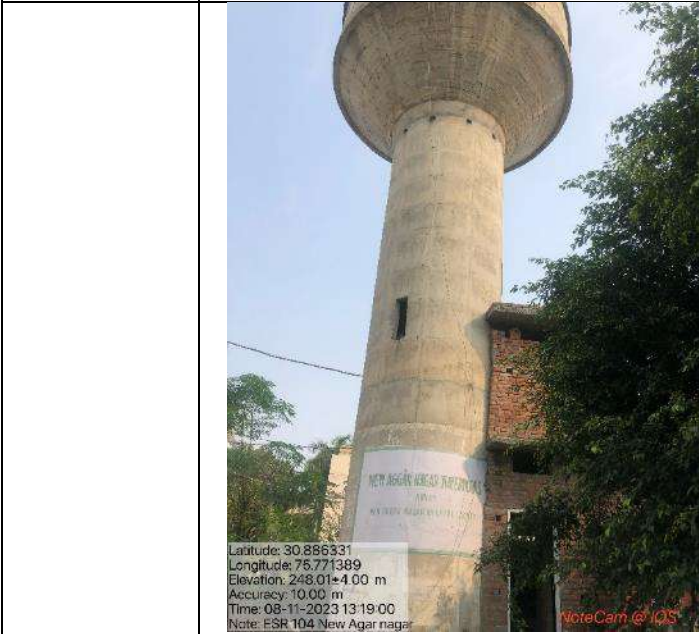
Photographs




33. ESR No. 104, New Agar Nagar

Date	08.11.2023
ESR No.	104
ESR Location	New Agar Nagar

Zone	D3
ESR Type	Existing
Participants	President of the society, Local Residents, SDO Assistant and one Senior Official of Municipal Corporation, Ludhiana
Observations	The existing ESR is partially functional and resides within a park, along with one tube well. However, issues regarding the water quality have been raised by the community. During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.





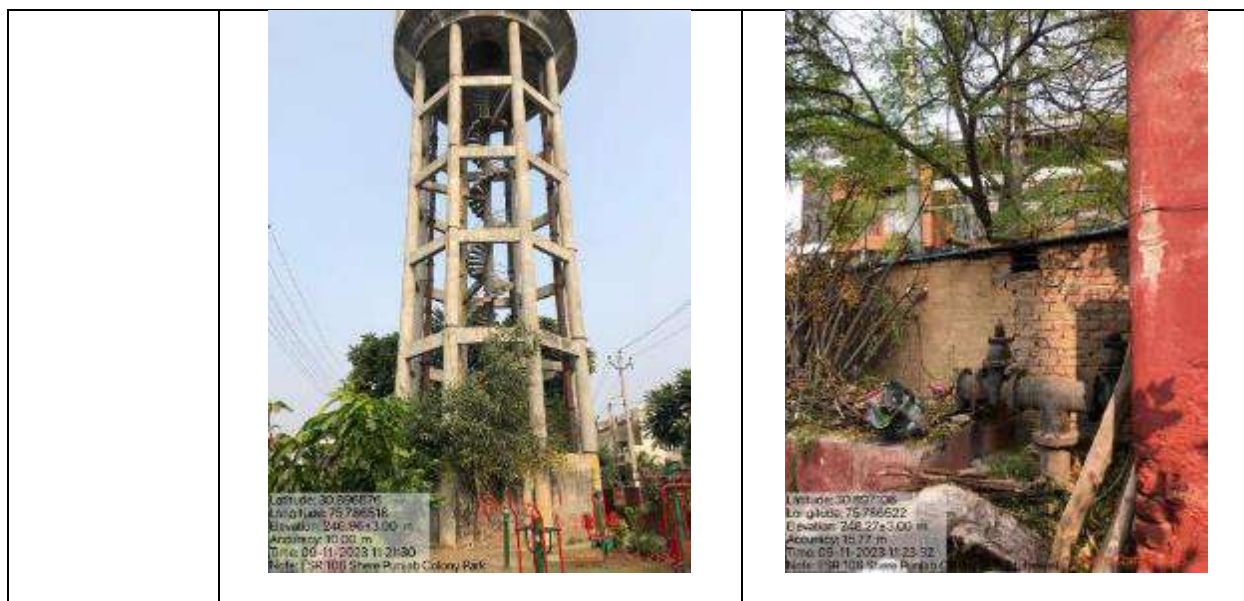
34. ESR No. 105, Mahavir Enclave

Date	08.11.2023
ESR No.	105
ESR Location	Mahavir Enclave
Zone	D3
ESR Type	Proposed
Participants	Local Residents, Mr. Jaideep Singh (SDO-Zone D3), SDO Assistant and one Senior Official of Municipal Corporation, Ludhiana
Observations	<p>The proposed ESR is planned to be placed within the park, adjacent to a tube well, providing ample space to prevent any potential harm to existing trees located in the corner of the park during construction. The ownership of the land belongs to MCL. Presently, residents meet their household water needs through submersible tube wells installed in their residences.</p> <p>During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.</p>
Photographs	

35. ESR No. 106, Shere Punjab Colony Park

Date	09.11.2023
ESR No.	106
ESR Location	Shere Punjab Colony Park

Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The ESR at this location is non-operational, although there is one working tube well located in the park. The park is maintained and in possession of the MCL. Neighboring communities rely on this tube well as well as submersible pumps in their homes for their domestic water needs. Renovation of the existing ESR is proposed.</p> <p>During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.</p>
Photographs	 <p>Latitude: 30.896488 Longitude: 75.798598 Elevation: 249.15±4.00 m Accuracy: 5.00 m Time: 09-11-2023 11:35:54 Note: ESR 106 Sheeh Punjab Colony Park 1 tubewell NoteCam @ IOS</p>  <p>Latitude: 30.896561 Longitude: 75.798703 Elevation: 247.48±3.00 m Accuracy: 14.00 m Time: 09-11-2023 11:45:31 Note: ESR 106 Sheeh Punjab Colony Park 1 tubewell NoteCam @ IOS</p>





36. ESR No. 102, Rajguru Nagar Block-B T/W

Date	09.11.2023
ESR No.	102
ESR Location	Rajguru Nagar Block-B T/W
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>For the past 20 years, the existing ESR, currently non-operational, along with one tube well, have been situated within the park on land owned by the Improvement Trust, which is in possession of MCL. No objection certificate from the trust has been obtained by the MCL. Residents receive water supply three times a day, however concerns persist over the quality of this water. In response, residents use submersible tube wells for their household water requirements. It is proposed to renovate or demolish the existing ESR and construct a new ESR.</p> <p>During consultations, the project's benefits were underscored, including anticipated improvements in groundwater levels and alleviation of potential future water shortages. Local residents fully support the proposal if the ESR can ensure a 24-hour treated water supply, as this would enhance water quality.</p>



37. ESR No. 99, Village Sunet, Opposite Keys Hotel

Date	09.11.2023
ESR No.	99
ESR Location	Opposite Keys Hotel
Zone	D3
ESR Type	Proposed

Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)	
Observations	<p>The proposed ESR is set to be placed on land owned by MCL, where there is currently one tube well that supplies water to the neighboring localities three times a day. The site is located along the BRS Bypass Road.</p> <p>During the consultation, the project's benefits were highlighted, including the potential improvement of the groundwater level and future water scarcity issues. Residents showed full support for the proposal if the ESR could ensure 24-hour water supply and if treated water is used for the ESR, enhancing the water quality.</p>	
Photographs	 <p>Latitude: 30.874739 Longitude: 75.805626 Elevation: 249.86±3.00 m Accuracy: 5.00 m Time: 09-11-2023 12:29:20 Note: ESR 99 MCL Land opposite to the area of the tube well.</p>	 <p>Latitude: 30.874740 Longitude: 75.805668 Elevation: 251.86±4.00 m Accuracy: 5.00 m Time: 09-11-2023 12:27:20 Note: ESR 99 MCL Land opposite to the area of the tube well.</p>

38. ESR No. 98, SBS Nagar Block-G

Date	09.11.2023
ESR No.	98
ESR Location	SBS Nagar Block-G
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	The existing ESR, located within the park and currently operational, has been used for water supply to neighboring areas for the past 20 years, in conjunction with one tube well. The land is owned by Ludhiana Improvement trust and is in possession of MCL. No objection certificate

from the trust is received. Additionally, residents draw water for household use from submersible tube wells installed in their homes.

The project's advantages, including expected improvements in groundwater levels and alleviation of potential future water shortages, were highlighted during consultations. Local residents demonstrated complete support for the proposal, given that the ESR would supply treated water around the clock.


Photographs



Latitude: 30.876365
Longitude: 75.806638
Elevation: 251.56±4.00 m
Accuracy: 5.00 m
Time: 09-11-2023 12:34:54
Note: ESR 98 SBS Nagar block-D



Latitude: 30.876378
Longitude: 75.806404
Elevation: 249.20±3.00 m
Accuracy: 5.00 m
Time: 09-11-2023 12:36:38
Note: ESR 98 SBS Nagar block-G 1 subwell

Date	09.11.2023
ESR No.	97
ESR Location	SBS Nagar Block-F
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The existing ESR, located within the park for the past 20 years, is currently non-functional. It is accompanied by a 20 HP submersible tube well pump, which has been replaced by a 40 HP vertical pump due to the region's low water levels. The land is owned by Ludhiana Improvement trust and is in possession of MCL. No objection certificate from the trust is received.</p> <p>During consultations, the benefits of the project were discussed, and suggestions were made about the improvement of the already low groundwater level and the future easing of water scarcity. Residents gave their full support, if the ESR can supply treated water around the clock and be maintained with a supply of treated water, as this would enhance water quality.</p>
Photographs	 <p>Latitude: 30.878193 Longitude: 75.814195 Elevation: 253.41±4.00 m Accuracy: 5.00 m Time: 09-11-2023 13:05:11 Note: ESR 97 SBS nagar block-F</p> <p>NoteCam @ IOS</p>



40. ESR No. 96, MCL Land, Govind Nagar Backside

Date	09.11.2023
ESR No.	96
ESR Location	MCL Land, Govind Nagar Backside
Zone	D3
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The land where ESR is proposed is owned by Ludhiana Improvement trust and is in possession of MCL. No objection certificate from the trust is received. Interestingly, residents meet their household water needs using a hand operated Tullu pump, without the use of any submersible tube wells in their homes.</p> <p>Throughout the consultation, project benefits, such as probable improvements in groundwater levels and future alleviation of water scarcity, were discussed. Local residents pledged full support if the ESR can supply treated water 24 hours a day, leading to improved water quality.</p>



41. ESR No. 95, Vishal Nagar

Date	09.11.2023
ESR No.	95
ESR Location	Vishal Nagar
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The existing ESR, which has been located within the park for the past 30 years, is currently non-operational due to leakage. The ownership of the land belongs to MCL. There is an operative tube well in the park. In addition, residents meet their household water needs through submersible tube wells installed at their homes.</p> <p>During the consultation, the project's benefits were highlighted and promising improvements in groundwater levels and likely respite from future water shortages were discussed. The residents were assured that the ESR would be maintained with a 24-hour supply of treated water.</p>




42. ESR No. 107, Sarabha Nagar I Block

Date	09.11.2023
ESR No.	107
ESR Location	Sarabha Nagar I Block
Zone	D3
ESR Type	Existing
Participants	Shopkeepers, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>In place for the past 30-40 years, the existing ESR is non-operative, whereas an adjacent tube well is functional. A water supply line is currently being built in the area to facilitate water supply to neighboring locales. Approximately eight trees, including Dek (Melia azedarach), Siris (Albizia lebbek), Bargad (Ficus benghalensis), Peepal (Ficus religiosa), and Beri (Ziziphus mauritiana) species, are expected to be impacted during the construction or reconstruction of the ESR.</p> <p>During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. Local residents were assured that a treated water supply would be maintained 24 hours a day in the ESR. The residents extended their support towards the project,</p>



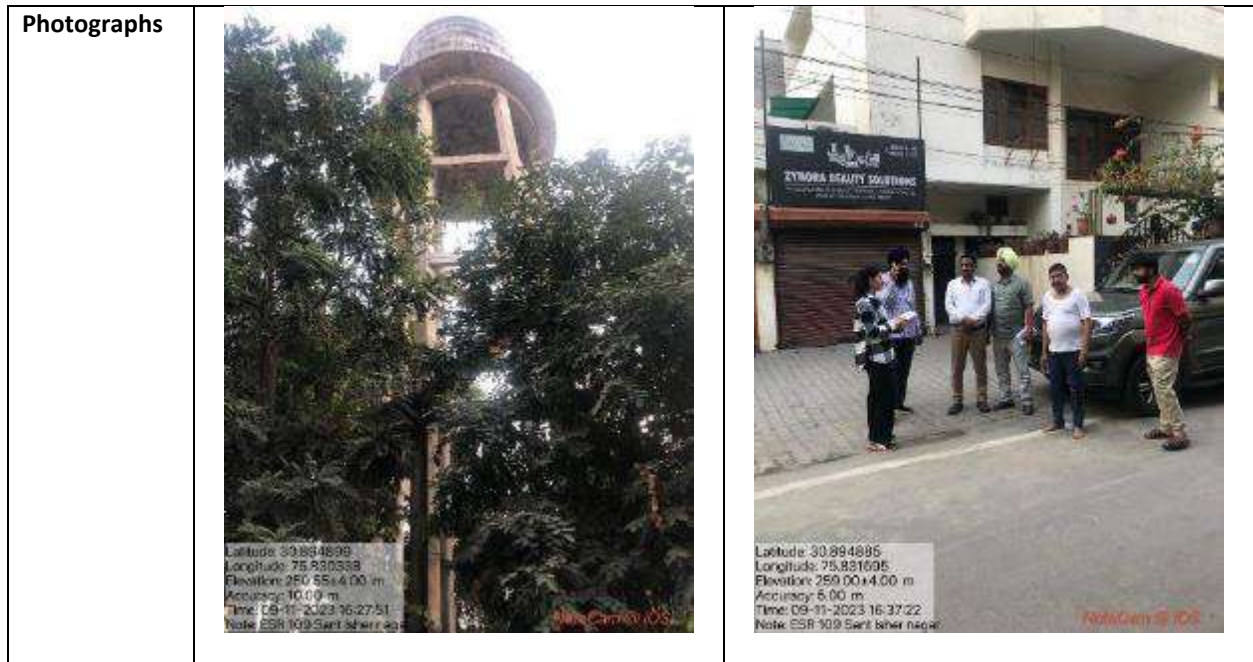
43. ESR No. 108, Sarabha Nagar (Kipps Market)

Date	09.11.2023
ESR No.	108
ESR Location	Sarabha Nagar (Kipps Market)
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	The existing ESR has been in place for 40 years, but it's currently not operational. Approximately eleven trees, comprising Dek (Melia azedarach), Siris (Albizia lebbeck), Bargad (Ficus benghalensis), Peepal (Ficus religiosa), Belpatra (Aegle marmelos), Shisham (Dalbergia sissoo), Amaltas (Cassia fistula), Aam (Mangifera indica), Toot (Morus alba), Chukrasia (Chukrasia

	<p>tabularis), and Beri (<i>Ziziphus mauritiana</i>) species, could be affected during the construction or overhaul of the ESR.</p> <p>During the consultation, benefits of the project including potential improvements to the groundwater level and relief from impending water scarcity were discussed. Local residents were reassured that the ESR will be kept functional with a full-time supply of treated water. The residents extended their support towards the project,</p>
Photographs	 <p>Latitude: 30.834467 Longitude: 75.820920 Elevation: 253.354.00 m Accuracy: 10.00 m Time: 09-11-2023 16:04:12 Note: ESR 108 sarabha near (Kipos Mirket)</p>

44. ESR No. 109, Sant Isher Nagar

Date	09.11.2023
ESR No.	109
ESR Location	Sant Isher Nagar
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The existing ESR, located on land that the Improvement Trust handed over to the MCL 40 years ago, is operational. No objection certificate from LIT has been obtained. The ESR requires 3 hours to fill up and provides water to the localities three times a day.</p> <p>During the consultation, benefits of the project including potential improvements to the groundwater level and relief from impending water scarcity were discussed. Local residents were reassured that the ESR will be kept functional with a full-time supply of treated water. The residents extended their support towards the project.</p>



45. ESR No. 111, Jawahar Nagar 03

Date	09.11.2023
ESR No.	111
ESR Location	Jawahar Nagar 03
Zone	D3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The existing ESR, which has been in place for 50 years, is not operational due to leakage issues. However, there is a functional tube well in the same location. The land possession belongs to MCL. The construction or rebuilding of the ESR may affect some trees in the vicinity.</p> <p>During the consultation, the project's benefits were discussed, including predictions for improved groundwater levels and alleviation of impending water scarcity. Residents has concerned on the quality of the contractors, and whether these leakage issues and intermittent water supply won't be repeated in the future. Residents were reassured with the promise of a 24-hour supply of treated water from the ESR once operational.</p>

Photographs





46. ESR No. 66. Open Land besides Kanganwal graveyard near police station

Date	08.11.2023
ESR No.	66. Open Land beside Kangwal Garav Ward No. 28
Zone	C
ESR Type	Proposed
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The Kangwal Garav open land, where the site is located, is owned by MCL. There is ample space for the construction of ESR of required capacity.</p> <p>During the consultation, benefits of the project including potential improvements to the groundwater level and relief from impending water scarcity were discussed. Local residents were reassured that the proposed ESR will be kept functional with a full-time supply of treated water. The residents extended their support towards the project,</p>





47. ESR No. 67. Dhandari Park


Date	08.11.2023
ESR No.	67 Dhandari Park , Ward No. 30
Zone	C
ESR Type	Proposed
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The site's land is owned by MCL and is a mixed-use area, featuring both residential and factory spaces.</p> <p>During the consultation, benefits of the project including potential improvements to the groundwater level and relief from impending water scarcity were discussed. Local residents were reassured that the proposed ESR will be kept functional with a full-time supply of treated water. The residents extended their support towards the project.</p>



48. ESR No. 72 Dadba Shamsanghat

<p>Date</p>	<p>08.11.2023</p>	
<p>ESR No.</p>	<p>72 Dadba Shamsanghat Ward No 31</p>	
<p>Zone</p>	<p>C</p>	
<p>ESR Type</p>	<p>Proposed</p>	
<p>Participants</p>	<p>Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People</p>	
<p>Observations</p>	<p>The site, owned by MCL, is located in an area used for both residential homes and factories.</p> <p>During the consultation, benefits of the project including potential improvements to the groundwater level and relief from impending water scarcity were discussed. Local residents were reassured that the proposed ESR will be kept functional with a full-time supply of treated water. The residents extended their support towards the project.</p>	
<p>Photographs</p>		

49. ESR No. 68 Indra Colony Park

Date	08.11.2023
ESR No.	68 Indra Colony Park Ward No 29
Zone	C-3
ESR Type	Proposed
Participants	Community, Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The site land, belonging to MCL, covers a park area. The park is well maintained by MCL.</p> <p>During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. Local residents were assured that a treated water supply would be maintained 24 hours a day in the ESR. The residents extended their support towards the project,</p>
Photographs	

50. ESR No 74 Open Land Opposite Indian Oil Petrol Pump

Date	09.11.2023
ESR No.	74 Open Land Opposite Indian Oil Petrol Pump
Zone	C-3
ESR Type	Proposed
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The site is an open land located opposite the Indian Oil petrol pump and is owned by MCL.</p> <p>During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. Local residents were assured that a treated water supply would be maintained 24 hours a day in the ESR. The residents extended their support towards the project,</p>

Photographs



51. ESR No. 77 BSUP (Basic Services to the Urban Poor) Flats Gaspura

Date	09.11.2023
ESR No.	77 BSUP (Basic Services to the Urban Poor) Flats Gaspura
Zone	C-3
ESR Type	Existing
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The site of the BSUP flats in Gaspura is in possession of MCL. An ESR was constructed on this land in 2008 by MCL, and since then it is being maintained by MCL></p> <p>During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. The local community has shown support towards this project, mostly due to existing water supply issues in the area.</p>



52. ESR No. 75 Gaspura Flats Near Pump station

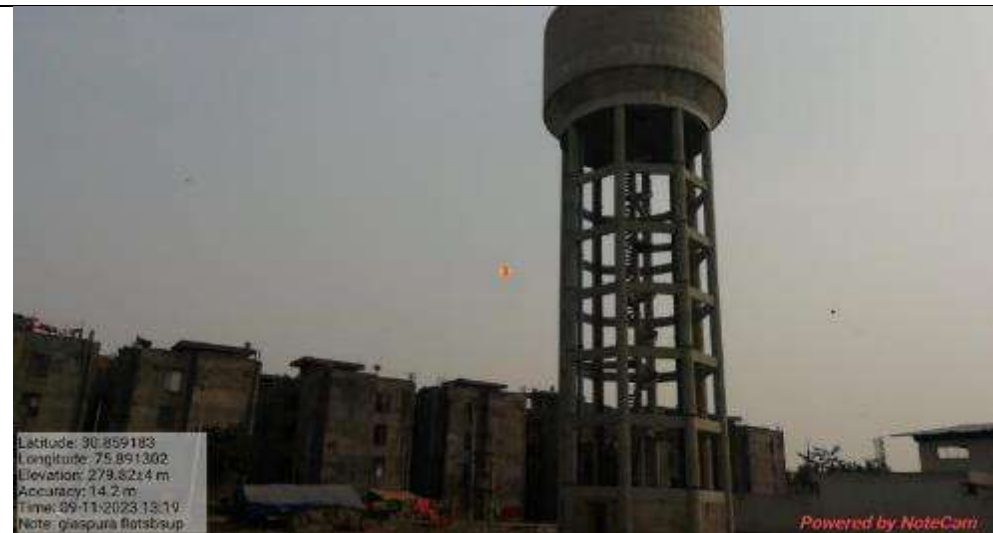
Date	09.11.2023
ESR No.	75 Gaspura Flats Near SWD Plant.
Zone	C-3
ESR Type	Proposed
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	The site land is in possession of MCL. In the vicinity of the proposed ESR, the quality of water supply from the MCL tube well is poor, with high levels of Total Dissolved Solids (TDS) and chlorine detected. Furthermore, the water supply is intermittently disrupted due to frequent pump breakdowns, and the pressure is too low to allow for water storage on the roof of the tank. There is also an ongoing problem with the sewage line getting blocked.

	During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. The local community has shown support towards this project, mostly due to existing water supply issues in the area.
Photographs	 <p>Latitude: 30.859176 Longitude: 75.891235 Elevation: 272.82±3.6m Accuracy: 4.9m Time: 09-11-2023 13:18 Note: gissoura flatsbsup</p>

53. ESR No. 136 BSUP Flat Dhandari Kalan

Date	09.11.2023
ESR No.	136 BSUP Flat Dhandari Kalan, Goutam Buddh Colony
Zone	C-3
ESR Type	Existing
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The site land is in possession of MCL. It houses an ESR that is more than 10 years old. The capacity of existing ESR is low, hence it requires upgradation/ renovation. Some areas around the ESR are not covered under this ESR, hence renovation is proposed.</p> <p>During the consultation, the project's benefits, including potential improvements in groundwater level and relief from future water scarcity, were discussed. The local community has shown support towards this project, mostly due to existing water supply issues in the area.</p>

Photographs




54. ESR No. 71 Lohara Daba Disposal

Date	09.11.2023
ESR No.	71 Lohara Daba Disposal
Zone	C-3
ESR Type	Proposed
Participants	Supervisor Municipal Corporation of Ludhiana & Local People
Observations	The Amrit Lohara Daba Disposal site, owned by MCL, covers an area of roughly 500 square yards. Currently, the land is used by tankers for sewage water disposal. The site was found unfit for construction of ESR.

	Therefore, another site near the previously proposed site was selected. The land is owned by Loh Langar Trust and present use is Park. MCL is in talks with the trust to obtain NoC for the construction of the ESR.
Photographs	Not Available

55. ESR No 76. Gaispura Flat -2

Date	09.11.2023
ESR No.	76. Gaispura Flat -2
Zone	C-3
ESR Type	Proposed
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The proposed site is an open land located behind flats on Dhaba Lohara Road. This land is owned by MCL.</p> <p>During a public consultation for a new ESR, the residents expressed agreement with the proposed plan. The residents realize that the creation of ESR will lead to creation of green space and cleaning of the area, which further strengthened their support towards the proposed.</p>
Photographs	 <p>Time: 17-11-2023 11:29 Note: BSUP flats 2</p>







56. ESR No. 47, Jamalpur Disposal Point Dream Park

Date	17.11.2023
ESR No.	47
ESR Location	Dream Park Jamalpur Disposal Point
Zone	B2
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The existing ESR, which is currently not operational, has been located within the park for the past 20-30 years, along with one functional tube well. The land of the site belongs to MCL. Residents receive water three times a day and there are concerns about its quality. For their home water needs, residents use submersible tube wells.</p> <p>Renovation may be needed to restore ESR functionality. During the consultation, benefits of the project were discussed, such as potential improvements in the groundwater level and alleviation of future water scarcity. Residents expressed full support for the ESR if it can provide 24-hour supply of treated water, as this would enhance water quality. They suggested demolishing the current ESR and constructing a new one in its place.</p>







57. ESR No. 48,49 BSUP/MC Flats

Date	17.11.2023
ESR No.	48,49
ESR Location	BSUP/MC Flats
Zone	B2
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)

<p>Observations</p>	<p>The proposed site is situated in a residential area, specifically in the BSUP/MC Flats. The land is owned by MCL. During consultation sessions, the potential benefits of the project were discussed, including the potential enhancement of groundwater levels and alleviation of impending water scarcity.</p> <p>Residents expressed full support for the ESR initiative, particularly if it promises a 24-hour supply of treated water, which would significantly improve the current water quality. The community, which includes approximately 700 to 750 households, is facing difficulties due to poor quality water supplies. They are pleased about the proposed construction of the ESR as they anticipate it will provide cleaner water. Their main grievance currently surrounds issues with water cleanliness.</p>	
<p>Photographs</p>	 <p>17/11/2023 11:28 am 30.90043158N, 75.93907755E Mundian Ludhiana Patiala Division Punjab</p>	 <p>17/11/2023 11:17 am 30.90232012N, 75.93927777E Patiala Mundian Kalan Ludhiana Patiala Division Punjab</p>
	 <p>17/11/2023 11:17 am 30.90234623N, 75.93924664E Patiala Mundian Kalan Ludhiana Patiala Division Punjab</p>	 <p>17/11/2023 11:17 am 30.90234623N, 75.93924664E Patiala Mundian Kalan Ludhiana Patiala Division Punjab</p>


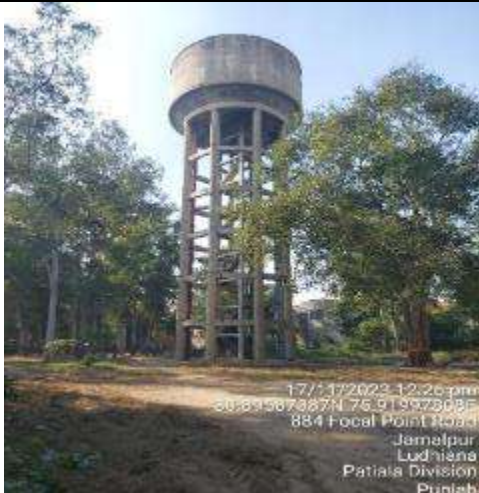


58. ESR No. 65, Land Opposite Government Smart Primary School Mundian Kalan

<p>Date</p>	<p>17.11.2023</p>
<p>ESR No.</p>	<p>65</p>
<p>ESR Location</p>	<p>Land opposite Government Smart Primary School Mundian Kalan</p>
<p>Zone</p>	<p>B2</p>
<p>ESR Type</p>	<p>Proposed</p>
<p>Participants</p>	<p>Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)</p>

<p>Observations</p>	<p>The proposed site is a small park in a residential area. This land is owned by the MCL. The area is well maintained and used by local residents and children for sitting, walking, and playing. The site does not contain any major trees, except for small shrubs. There is one functional tube well supplying water from 7 to 12 in the morning and 5 to 8 in the evening. No water-borne diseases have been reported in the area. There is also a school situated in front of the park.</p> <p>Residents have expressed some concerns to the proposed ESR at this location. Given that the entire surrounding area is residential, it is highly congested. The residents require assurance from the department that the construction activities will be done safely, and of good quality to ensure benefits. Despite concerns, supported the project.</p>	
<p>Photographs</p>	 <p>17/11/2023 11:56 am 30.8962769N 75.93074772E Mundian Ludhiana Patiala Division Punjab</p>	 <p>17/11/2023 11:52 am 30.89614433N 75.9307108E Mundian Ludhiana Patiala Division Punjab</p>
	 <p>17/11/2023 11:51 am 30.89613952N 75.93071076E Mundian Ludhiana Patiala Division Punjab</p>	 <p>17/11/2023 11:51 am 30.89614505N 75.93072014E Mundian Ludhiana Patiala Division Punjab</p>





59. ESR No. 51, Urban Estate Phase-II

<p>Date</p>	<p>17.11.2023</p>
<p>ESR No.</p>	<p>51</p>
<p>ESR Location</p>	<p>Urban Estate Phase-II</p>
<p>Zone</p>	<p>B2</p>

ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The current ESR, which is non-functional, has been in the park for about 40 to 45 years alongside one operational tube well. The ESR itself has not been operational for more than 10 years. The land for this site is in possession of MCL.</p> <p>During the consultation, benefits of the project were discussed, such as potential improvements in the groundwater level and alleviation of future water scarcity. Residents expressed full support for the ESR if it can provide 24-hour supply of treated water, as this would enhance water quality. They suggested demolishing the current ESR and constructing a new one in its place</p>
Photographs	   





60. ESR No. 50 Park Opposite Veer Palace

Date	17.11.2023
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ESR No.	50		
ESR Location	Park Opposite Veer Palace		
Zone	B2		
ESR Type	Proposed		
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)		
Observations	<p>The proposed site is located in a park on land owned by GLADA. No objection certificate from GLADA has been obtained. The area is well-maintained and frequently used by residents and children for activities such as sitting, walking, and playing. There are no major trees within the proposed site, only small shrubs.</p> <p>During the consultation, benefits of the project were discussed, such as potential improvements in the groundwater level and alleviation of future water scarcity. Residents expressed full support for the ESR if it can provide 24-hour supply of treated water, as this would enhance water quality. They suggested demolishing the current ESR and constructing a new one in its place</p>		
Photographs	   		

61. ESR No. 52 Buddha Parking near Jeevan Nagar

Date	17.11.2023
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ESR No.	52
ESR Location	Budhha Park near Jeevan Nagar
Zone	B2
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in a park on GLADA Land. No objection certificate from GLADA has been obtained. The park is well maintained and used by locals and children for various activities like sitting, walking, and playing. However, five trees may need to be cut down if the ESR is to be constructed at this site. This will be determined during detailed survey by the contractor. Currently, the park has one operational tube well providing water to residents three times a day. No water-borne diseases have been reported in this area.</p> <p>Residents have expressed support for the ESR if it provides treated water 24 hours a day. They are optimistic that the ESR will improve water quality. Overall, the community is pleased with the prospect of an ESR being built at this location.</p>
Photographs	   

62. ESR No. 100. Tirkona Park, Sunet Village 1 Block

Date	18.11.2023
ESR No.	100 Tirkona Park, Sunnet Village 1 Block, Ward No. 72, Ludhiana
Zone	D-3,
ESR Type	Proposed
Participants	JE Municipal Corporation of Ludhiana & Local People
Observations	<p>The proposed site is situated in Tirkona Park, Sunet village, within municipal ward number 72. The park spans 2000 square yards and is well maintained by MCL The land belongs to LIT, and NoC from the trust has been obtained.</p> <p>The park serves as a recreational area for residents and children, providing a space for yoga, morning walks, and play. The park is bordered by a market area on one side and a residential area on the other. The local community is supportive of the construction project, in favor of the proposed ESR construction.</p>
Photographs	 <p>Latitude: 30.861627 Longitude: 75.79823 Elevation: 274.48±1 m Accuracy: 4.0 m Time: 18-11-2023 16:07 Note: 100 Tirkona Park</p> <p>Powered by MyaCam</p>





63. ESR No 110. Tirkona Park

Date	18.11.2023
ESR No.	110. Tirkona Park, Gurdev Nagar
Zone	D-3
ESR Type	Existing
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People

Observations	<p>Tirkona Park, located in Gurdev Nagar and falling under municipal ward number 68, spans across 1000 square yards. Within its boundaries are a dairy booth and a transformer. This park is in possession of MCL.</p> <p>Residents are in favor of the project. They express a desire to demolish the defunct existing ESR and replace it with a new structure.</p>
Photographs	

64. ESR No. 53, I Phase VIII Focal Point

Date	18.11.2023
ESR No.	53
ESR Location	I Phase VIII Focal Point
Zone	B2
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The current ESR, located on Punjab State Information Commission-owned land, has been in existence for around 30 to 35 years and has not been operational for the past 10 to 12 years. The possession of the land is with MCL. Handover certificate from the information commission is present with the MCL. An operational tube well is present on this location. Both Low- and high-tension lines run through this area, along with another tube well that is owned by individuals from an adjacent industrial area. A consultation with power department is required to further understand the LT/HT lines shifting process, if required.</p>

	Overall, the residents were supportive of the project.	
Photographs		
		

65. ESR No. 58 Focal Phase 5


Date	18.11.2023
ESR No.	58
ESR Location	Focal Phase 5
Zone	B2
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in the industrial area of Focal Phase 5. The land is in possession of MCL and features one operational tube well.</p> <p>During consultations, the benefits of the project were discussed, and it was suggested that the ground water level could improve, and future water scarcity could be mitigated. The locals gave</p>

full support to the project if the new ESR could supply treated water 24/7. The idea of an ESR being built in the area was also well-received by the participants.

Photographs







66. ESR No. 59, Phase VI, Police Chowki

Date	18.11.2023
ESR No.	59
ESR Location	Phase VI, Police Chowki
Zone	B2
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The current ESR, which is approximately 30 to 35 years old, has been non-functional for the last 10 to 12 years. It is built on land which is in possession of MCL. An operational tube-well is also located on the site, which supplies water twice a day, from 5 to 9:30 in the morning, and from 6 to 9 in the evening. There have been no reported water-related diseases.</p> <p>During consultations, the benefits of the project were discussed, and it was suggested that the ground water level could improve and future water scarcity could be mitigated. The locals gave full support to the project if the new ESR could supply treated water 24/7. The idea of an ESR being built in the area was also well-received by the participants.</p>
Photographs	 <p>The left photograph shows a tall, cylindrical concrete structure (the ESR) surrounded by trees and a grassy field. The right photograph shows a similar view from a different angle, also featuring trees and a grassy field. Both images include a timestamp and location information: '18/11/2023 12:29 pm 30.97976346N 75.92198212E Focal Point Ludhiana Patiala Division Punjab'.</p>

67. ESR No. 60, Focal Phase 7

Date	18.11.2023
ESR No.	60
ESR Location	Focal Phase 7
Zone	B2
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)

Observations	<p>The current, non-functional ESR sits within the park and has been there for around 40-45 years, along with a tube well. The ESR has not been operational for 16 years. Additionally, there are two more tube wells situated in the park, which are also non-operational. The land for the site is in possession of MCL.</p> <p>The area experiences significant water problems and the residents believe a 24/7 water supply would greatly improve conditions for the people living there. The community is supportive of the idea and is happy about the introduction of the 24/7 water treatment plant (WTP) project.</p>	
Photographs		
		

68. ESR No. 62, Existing ESR 34 Acre

Date	18.11.2023
ESR No.	62
ESR Location	Existing ESR 34 Acre
Zone	B2
ESR Type	Existing
Participants	J.E & Staff (Municipal Corporation, Ludhiana)



Observations	The proposed site is located within a park on Punjab State Information Commission-owned land, where a partially built ESR already exists. Handover certificate to MCL has been obtained.	
Photographs	 <p>18/11/2023 1:21 pm 30.87487291 N 75.94718051 E Focal Point Mangl Nichhi Pollute Division Punjab</p>	 <p>18/11/2023 1:15 pm 30.87523389 N 75.94584773 E Focal Point Mangl Nichhi Pollute Division Punjab</p>

69. ESR No. 63, 34 Acre Focal Point

Date	18.11.2023
ESR No.	62
ESR Location	Existing ESR 34 Acre
Zone	B2
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in a park on land owned by on Punjab State Information Commission and in possession of MCL, features one operational tube well. There are no water-borne diseases in the area.</p> <p>During consultations, the benefits of the project were discussed, and it was suggested that the ground water level could improve and future water scarcity could be mitigated. The locals gave full support to the project if the new ESR could supply treated water 24/7. The idea of an ESR being built in the area was also well-received by the participants. Residents have expressed their full support for the ESR, especially if it can provide treated water 24 hours a day. They believe that the ESR, maintained with a consistent supply of treated water, would enhance water quality in the region. The community is pleased at the prospect of having the ESR built in their locality.</p>


Photographs		
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70. ESR No. 64, Fortis Hospital

Date	18.11.2023	
ESR No.	64	
ESR Location	Fortis Hospital	
Zone	B2	
ESR Type	Proposed	
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)	
Observations	<p>The proposed site for the ESR is located in a park on land owned by MCL. Currently, the park has one non-functional tube well.</p> <p>Local residents fully support the ESR project, particularly if it provides a 24-hour supply of treated water. They believe maintaining the ESR with treated water will significantly improve the quality of the water in their area.</p>	
Photographs		

71. ESR No. 61, Durga Colony

Date	20.11.2023	
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ESR No.	61
ESR Location	Durga Colony
Zone	B2
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed location for the site is in Durga Colony, which is a residential area. The property is owned by MCL. There is a functioning tube well, providing water from 6 to 9am and 5 to 8pm. There are no waterborne diseases in the area. However, there is a significant garbage problem due to the presence of a swamp on municipal corporation land where all the water collects. People use this as a dumping ground causing pollution.</p> <p>It has been discussed and suggested that the project will improve the ground water level and alleviate future water shortage. Local residents have pledged their support if ESR can guarantee 24/7 supply of treated water.</p>
Photographs	 <p>The left photograph shows a street scene in Durga Colony with several people standing near a motorcycle. The right photograph shows a large area of garbage and a swamp, which is a significant problem in the area.</p>

72. ESR No. 43, Trikona Park Bhamia Road


Date	20.11.2023
ESR No.	43
ESR Location	Trikona Park
Zone	B2
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in Trikona Park. The land is in possession of MCL and contains a working tube well that supplies water from 6 to 9am, 1 to 2pm, and 6 to 9pm.</p> <p>The local residents are in full support of the project, providing that ESR delivers treated water 24 hours a day. They were pleased with the idea of an ESR being built in their locality. The area will house 20 to 25 commercial shops in addition to the residential complex. The public has</p>

	expressed the need for park enhancement, including the construction of a boundary wall and a playground for children.	
Photographs		

73. ESR No. 40, Ansal Enclave Park

Date	20.11.2023	
ESR No.	40	
ESR Location	Ansal Enclave Park	
Zone	B2	
ESR Type	Proposed	
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)	
Observations	<p>The land is in possession of MCL and is equipped with a functioning tube well that provides water from 6 to 9am, 12 to 2pm, and 5 to 9pm. The park is handed over to MCL and is maintained by them.</p> <p>Mr. Jatinder Pal, the president of Ansal Enclave, has agreed to the construction of an ESR on the site, saying that there would be no issues with its establishment. He expressed full support for the project on behalf of the community.</p>	
Photographs		

74. ESR No. 15, Subhash Nagar

Date	20.11.2023
ESR No.	15
ESR Location	Subhash Nagar
Zone	B3
ESR Type	Existing
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The site currently houses an existing, non-functional ESR that has been standing for more than 30 years, along with one tube well. This ESR has not been operational for more than 10 years. There are also two tube wells in the park, one of which is functioning while the other is not. The land is in possession of MCL. There are considerable water issues in the area, and the promise of a 24/7 water supply would greatly improve conditions for residents.</p> <p>The locals are supportive of this project. However, they did express concerns about drinking water treated from a canal, fearing the potential health hazards from unnoticed incidents like wild animals or humans passing away in the canal. They've asked for these possibilities to be carefully considered. Despite these issues, the existing site is well preserved and frequently used by residents and children for recreational activities like sitting, walking, and playing. No significant trees are being displaced by the project, only small shrubs.</p>
Photographs	 <p>The left photograph shows a group of approximately ten people standing in front of a tall, skeletal metal structure, possibly a water tower or a monument. The structure is made of grey metal beams and has a blue-painted base. The right photograph shows a park area with a green lawn, a yellow bench, and several trees. In the background, there are residential buildings.</p>

75. ESR No. 16, Chandralok Colony

Date	20.11.2023
ESR No.	16
ESR Location	Chandralok Colony
Zone	B3

ESR Type	Proposed
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in a park maintained and possessed by MCL, where the ESR is constructed. The surroundings are primarily residential with the presence of small shrubs, causing no environmental impact.</p> <p>Currently, water is available intermittently for few hours a day. The project's benefits were discussed with the residents, indicating that it would enhance groundwater levels and address water scarcity shortly. The residents have agreed to fully support the project if the ESR ensures a 24-hour supply of treated water.</p>
Photographs	

76. ESR No. 32, LIG housing park, near Green land school

Date	21.11.2023
ESR No.	32
ESR Location	LIG Flats
Zone	B3
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site, located in the park amongst the LIG Flats in a residential area, is owned by MCL. The tube well on the property is functional, supplying water at specific intervals throughout the day. The site, well-maintained and frequented by residents and children for leisure activities, won't affect any substantial tree.</p> <p>During the project consultation, the benefits were highlighted, suggesting improved groundwater levels and the mitigation of future water scarcity. The residents have demonstrated full support, agreeing to the construction of an ESR, given it promises a 24-hour</p>

	supply of treated water. The community expressed pleasure over the decision to construct an ESR and suggested the placement of an ESR in the park's center.	
Photographs	 <p>21/11/2023 11:52 am 30.91165255N 75.88440245E Guru Arjun Dev Singh Nagar Ludhiana Patiala Division Punjab</p>	 <p>21/11/2023 11:53 am 30.91165255N 75.88440245E Bai Singh Nagar Road Guru Arjun Dev Nagar Ludhiana Patiala Division Punjab</p>

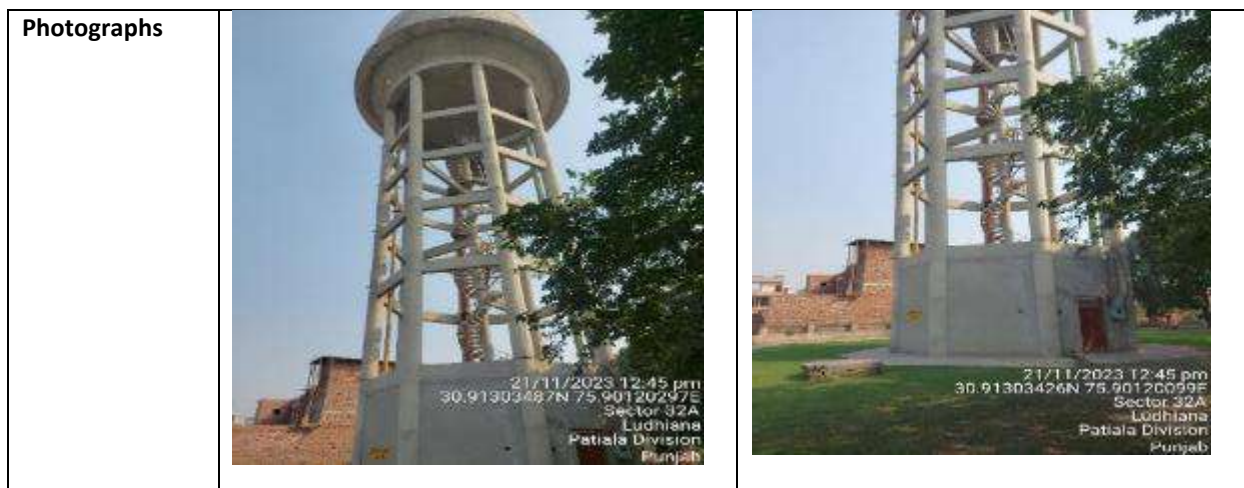
77. ESR No. 33, Main Water Works Sector 32-A

Date	21.11.2023
ESR No.	33
ESR Location	Main Water Works Sector 32-A
Zone	B3
ESR Type	Existing
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The site is proposed in Main Water Works Sector 32-A in a residential area. The land is owned by GLADA and is in the possession of MCL. NoC from GLADA has been obtained by the MCL. The tube well on the land parcel is functional.</p> <p>The existing ESR which is currently non-functional, is present within the park for the past 40 years. There is requirement of renovation at the ESR. Community is supportive of the proposed idea.</p>



78. ESR No. 34, New Water Works Sector-32 A

Date	21.11.2023
ESR No.	34
ESR Location	New Water Works Sector-32 A
Zone	B3
ESR Type	Existing
Participants	J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The site is located in the New Water Works Sector 32-A in a residential district. The land is owned by GLADA and is in the possession of MCL. NoC from GLADA has been obtained by the MCL. The tube well on the land parcel is functional. The tube well is operational, supplying water from 6 to 9am, and 5 to 8pm, and no waterborne diseases are reported in this area.</p> <p>The existing ESR which is currently non-functional, is present within the park for the past 40 years. There is requirement of renovation at the ESR. Community is supportive of the proposed idea.</p>



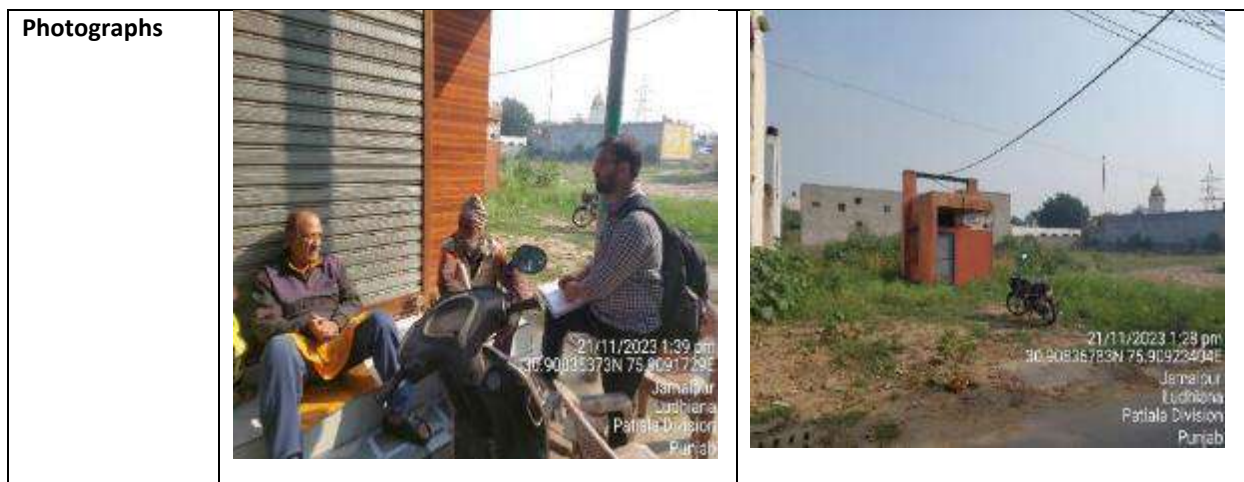
79. ESR No. 42, Sector 33 Park

Date	21.11.2023
ESR No.	42
ESR Location	Sector 33 Park
Zone	B3
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed construction site is situated within Sector 33 Park in a residential area, and the land is owned by GLADA. NoC for construction of a new ESR has been received from GLADA has been received by MCL. Residents and children frequently use this well-maintained location for leisure activities such as sitting, walking, and playing. The proposed construction will not impact any significant trees, only small shrubs.</p> <p>During the project consultation, various benefits were discussed including future improvement of groundwater levels and alleviation of anticipated water shortages. If the proposed ESR can ensure a 24-hour supply of treated water, it has the full support of residents. The idea of constructing an ESR in this location has been met with positive responses from the community.</p>



80. ESR No. 41, Government Primary School Bhamian

Date	21.11.2023
ESR No.	41
ESR Location	Lan Opposite Government Primary School Bhamian Road
Zone	B3
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in a park that's in possession of MCL. This area is entirely residential and characterized by small shrubs, showing no visible negative impact. The nearby areas face substantial water issues. People's living conditions would significantly improve with a 24/7 water supply. Right now, water is only available from 5 to 9 in the morning, 12 to 2 in the afternoon, and 5 to 9 in the evening, and there are no waterborne diseases reported.</p> <p>The project's benefits, including the elevation of groundwater levels and alleviation of future water scarcity, were discussed with the community. The residents fully support the project, provided the ESR ensures a 24-hour supply of treated water. They have expressed their wish for the construction work to begin as soon as possible.</p>



81. ESR No. 36, Tankiwala Park

Date	21.11.2023
ESR No.	36
ESR Location	Tankiwala Park
Zone	B3
ESR Type	Proposed
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The site proposed for the development of the project is located in a park under MCL Land. Water is currently supplied at specific hours. The project's benefits, which include improving the groundwater level and easing future water scarcity, have been discussed. Residents have given their full support to the project if the planned ESR can guarantee a 24-hour supply of treated water.</p> <p>Furthermore, there are vendors near the proposed ESR construction site. Conversations with them also revealed their support and need for clean water. They currently fetch clean water from their homes because it's not readily available in this area.</p>



82. ESR No. 39, Prem Vihar

Date	21.11.2023
ESR No.	39
ESR Location	Prem Vihar
Zone	B3
ESR Type	Existing
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed site is located in Prem Vihar and is in the possession of MCL. There is a functional tube well on the land parcel. Water is currently supplied from 5-9am, 12-2pm, and 5-9pm, and there have been no reports of waterborne diseases. However, the existing ESR is non-functional. Water is pumped directly from tubewells.</p> <p>During initial discussions, the project's benefits were highlighted, stating that it would improve the groundwater level and reduce issues with water scarcity in the future. The residents fully support the project, provided the ESR can assure a 24-hour supply of treated water. Notably, there's a Shiv temple to the far right of the ESR and a 33/66 KV electricity plant being constructed on the left. A consultation with the power department will be required to double check the feasibility.</p>



83. ESR No. 38, MCL Land New National colony

Date	21.11.2023
ESR No.	38
ESR Location	MCL Land New National colony
Zone	B3
ESR Type	Proposed
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The proposed project site is in the New National Colony and is in the possession of the MCL. There is a functioning tube well on the land. During consultation, it was highlighted that the project could improve groundwater levels and alleviate future water scarcity. Residents fully support the initiative, provided the ESR can ensure a 24-hour supply of treated water.</p> <p>There are also 60 to 70 handicraft vendors in the area. Unfortunately, there's a significant garbage issue caused by the vegetable market and individuals littering on the road, causing inconvenience to residents. Furthermore, a high-tension power line runs over the MC land, and the surrounding area is entirely residential. A consultation with the power department shall be required to address the power line issue.</p>



84. ESR No. 30 Zone B-4, Saini Colony Park, Saini Colony Industrial Area Ward No. 28 Ludhiana

Date	20.11.2023
ESR No.	30
Zone	B-4
ESR Type	Proposed
Participants	JE and Other MCL Staff Municipal Corporation of Ludhiana
Observations	<p>The park in question is situated in Ward No. 28, Saini Colony, and is owned by MCL. The land spans over 1000 square yards and holds six electric transformers. The proposed project will take place within an enclosed area surrounded by a boundary wall, also owned by MCL.</p> <p>The project's benefits, including the elevation of groundwater levels and alleviation of future water scarcity, were discussed with the community. The residents fully support the project, provided the ESR ensures a 24-hour supply of treated water. They have expressed their wish for the construction work to begin as soon as possible.</p>



85. ESR No. 31, Kirti Nagar Park, Sector 39-A,Ludhiana


Date	20.11.2023
ESR No.	31, Kirti Nagar Sector 39-A,Ludhiana
Zone	B-4
ESR Type	Existing
Participants	Residents, JE and Other MCL Staff Municipal Corporation of Ludhiana
Observations	<p>The existing ESR, built on GLADA land and located within a park in possession of MCL along the GT Road, has been non-operational for the past ten years. The park houses a functioning tube-well.</p> <p>The project's benefits, including the elevation of groundwater levels and alleviation of future water scarcity, were discussed with the community. The residents fully support the project, provided the ESR ensures a 24-hour supply of treated water. They have expressed their wish for the construction work to begin as soon as possible.</p>



86. ESR No. ESR No. 45, Vishkarma Colony Park

Date	20.11.2023
ESR No.	ESR No. 45, Vishwakarma Colony Park
Zone	B-4
ESR Type	Proposed
Participants	JE, Municipal Corporation of Ludhiana
Observations	<p>The proposed ESR is planned within the Vishkarma Colony Park, encompassed by a boundary wall. The park land is owned by GLADA and is in possession by MCL. NoC has been received from GLADA for any works proposed at this site. The park's tube well is in working order.</p> <p>Local residents are supportive of the ESR construction project at the proposed site. The water supplied by MCL is reported to be of good quality, however residents believe that the treated water will be better.</p>
Photographs	

87. ESR No. 57, Sherpur Zone Behind Cancer Hospital, Near Sulabh toilet

Date	20.11.2023
ESR No.	57, Sherpur Zone Behind Cancer Hospital, Near Sulabh toilet
Zone	B-4
ESR Type	Existing
Participants	Local Residents, Shop-owners and JE, Municipal Corporation of Ludhiana
Observations	<p>The current ESR, situated on open land behind the Cancer Hospital near Sulabh Toilet, is owned by Ludhiana Improvement Trust and is possessed by MCL. Constructed in 1992, the ESR has been non-operational for the past three years.</p> <p>The community wishes for the non-functional ESR to be renovated or demolished and a new ESR to be built in its place.</p>
Photographs	

88. ESR No. 131, Saini Colony Park , Ward No. 20 Sani Colony

Date	20.11.2023
ESR No.	131, Saini Colony Park , Ward No. 20 Sani Colony
Zone	A
ESR Type	Existing
Participants	Local Residents and JE, Municipal Corporation Ludhiana
Observations	<p>The current ESR, built on MCL land and situated within a boundary wall in a park, has not been functional for the past 13 years. The park, found in Saini Colony Park, contains an operational tube well. The existing ESR has one side adjacent to Saini Colony, while the other side borders a factory area and shops that are more than 50 meters away. Four trees are located within the park, while one neem tree, one bel tree, and four tun trees are positioned at the proposed ESR location. As per residents, the water quality from the tube well is subpar. However, within the park, there is an operational tube well under MCL's jurisdiction.</p>

Photographs	Not Available
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89. ESR No. 55, Focal Point opposite Thana

Date	21.11.2023
ESR No.	55, Focal Point Opposite Thana, Rajeev Gandhi Colony Ward No. 23 Ludhiana
Zone	B-4,
ESR Type	Existing
Participants	Residents, and JE, Municipal Corporation of Ludhiana
Observations	<p>The current ESR, built on GLADA land, has been non-operational for the past 10 years. This ESR is located on open land in Ward No. 23, Ludhiana, near the Monte Carlo Factory and Wardham Steel Factory. An electrical cable is currently running across the site, which may need to be relocated.</p> <p>Community members are in favor of renovating or demolishing the old, non-functional ESR and constructing a new one in its place.</p>
Photographs	

90. ESR No. 044, Opposite Dental Collage, Moti Nagar

Date	21.11.2023
ESR No.	44, Opposite Dental College, Moti Nagar
Zone	B-4
ESR Type	Existing
Participants	Local People and JE, Municipal Corporation of Ludhiana
Observations	The existing ESR is situated within the confines of a park owned by the Greater Ludhiana Area Development Authority (GLADA) and passed by MCL. Spanning five acres, the ESR was built over

30 years ago and has not been operational for the past 10 years. The ESR is surrounded by residential areas with a Dental College located nearby.

Local residents believe the ESR to be repairable and capable of being restarted. The project has generally impressed the people in the surrounding area.

Photographs



91. ESR No. 56, Phase III, Opposite Coca Cola Godown

Date	21.11.2023
ESR No.	56, Phase III, Opposite Coca Cola Godown, Ward No. 23. Ludhiana
Zone	B-4

ESR Type	Existing
Participants	Industry workers and JE, Municipal Corporation of Ludhiana
Observations	<p>The current ESR is situated on land owned by GLADA. Noc for any proposed works on the land has been obtained by MCL. Constructed over 30 years ago, the ESR has been non-operational for the last 10 years. The ESR is surrounded by an industrial area, with a Coca-Cola Godown located nearby. The project has drawn considerable positive attention from the local community. The quality of water supplied by MCL in the area is deemed to be good.</p> <p>Consultations with workers from local industries showed their readiness to support the project. They expressed a willingness to provide treated water to their fellow workers, people living in the estate, and those in nearby areas.</p>

92. ESR No. 115, Rose Garden, Govt College Road, Near Govt. College, Ludhiana

Date	22.11.2023
ESR No.	115, - Rose Garden, Govt College Road, Near Govt. College, Ludhiana
Zone	D
ESR Type	Existing
Participants	Staff -Municipal Corporation of Ludhiana and Local People
Observations	<p>The current UGR has been non-operational for the past 13 years. The Nehru Rose Garden, created by the Municipal Corporation of Ludhiana, is named after Jawaharlal Nehru, India's first Prime Minister. This garden, encompassing an area of 30 acres, is one of Asia's largest rose gardens. The land is in possession of MCL.</p> <p>Inside the park, there's an operational tube well, which is operated and maintained by MCL.</p>

93. ESR No. 114, Rose Garden, Govt. College Road, Near Govt. College, Ludhiana

Date	22.11.2023
ESR No.	114 Rose Garden, Govt College Road, Near Govt. College, Ludhiana
Zone	D
ESR Type	Proposed
Participants	Staff -Municipal Corporation of Ludhiana and Local People

Observations	<p>The proposed ESR is planned for a location within the well-maintained Rose Garden, which spans approximately 30 acres. The land is owned by MCL and contains an operational tube well. Besides shrubs, no major trees are observed within the park. The garden is frequently used by residents for activities like yoga, walking, and children's play. An additional operational tube well, owned by MCL, operates within the park.</p> <p>During consultations, the local community expressed a warm reception for the project, however requested the MCL officials to make sure that the rose garden is not disrupted, and ample recreational space is available for the residents.</p>
Photographs	

94. ESR No. 112, Sham Nagar Tankiwala

Date	22.11.2023
ESR No.	112 Sham Nagar Tankiwala
Zone	D
ESR Type	Existing
Participants	Local Residents and JE, Municipal Corporation of Ludhiana
Observations	<p>The existing ESR is located inside a park maintained by MCL has been non-operational for the last 20 years. Inside the park, there is a functioning tube well which supplies water directly to people.</p> <p>The ESR is fairly old, and the local inhabitants are keen to get it renovated or re-made. The park, surrounded by residential areas and shops that stand over 100 meters away from the ESR, also contains another operational tube well. However, residents report the water quality from these tube wells as poor.</p> <p>During consultation, benefits of the project were discussed at length with the residents. The residents were in favor of dismantling the non-functional ESR and the construction of a new one in its place.</p>

Photographs	
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95. ESR No. 119 Kitchlu Nagar

Date	22.11.2023
ESR No.	119, Kitchlu Nagar Ward No. 82, Ludhiana
Zone	B-4,
ESR Type	Existing
Participants	Local Residents and Staff of Municipal Corporation of Ludhiana
Observations	<p>The current ESR, located within a park that spans an area of 1 acre, is situated on land maintained and possessed by MCL. Constructed 40 years ago, the ESR has been non-operational for the past 20 years. The surrounding area comprises mainly of residential properties and Dr. Anil Mittal Hospital is located near the site.</p> <p>Residents believe the ESR could be repaired/ reconstructed and put back into operation. The project has been well-received by the community.</p>
Photographs	

96. ESR No. 122, Haibowal Kalan Near Police Station, Ward No. 85, Ludhiana

Date	22.11.2023
ESR No.	122, Haibowal Kalan Near Police Station Ward No. 85, Ludhiana



Zone	D-4
ESR Type	Existing
Participants	Local People and Supervisors, Municipal Corporation of Ludhiana
Observations	<p>The currently non-operational ESR, situated within the boundary walls of a service center on MCL-possessed land, has been defunct for the past 20 years. Given its age, there is a community desire to see it renovated or reconstructed. The location is surrounded by commercial areas, shops, service centers, and old age homes.</p> <p>In line with community wishes, plans include either renovating or demolishing the non-functional ESR and constructing a new one in its place. It is also reported that the water quality supplied by MCL is poor. Therefore, this project will benefit the residents by supplying treated water.</p>

97. ESR No. 24, Street No-5 Kashmir Nagar Chowk

Date	23.11.2023
ESR No.	24
ESR Location	Street NO-5 Kashmir Nagar Chowk
Zone	B1
ESR Type	Proposed
Participants	Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The land is located in a residential area, and it houses a functional tube well. Water is provided from 5 to 9 am, 12 to 2 pm, and 5 to 9 pm, and no waterborne diseases have been reported. The ownership of the land is claimed to be private. According to residents, a legal dispute over</p>

	this land was resolved in 2018, with ownership awarded to the private owner. Therefore, an alternative land needs to be identified.	
Photographs		

98. ESR No. 35, Dairy Complex

Date	23.11.2023	
ESR No.	35	
ESR Location	Dairy Complex	
Zone	B3	
ESR Type	Proposed	
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)	
Observations	The proposed site is located in an area managed by the Improvement Trust. The land, owned by the Trust, houses a functional tube well. Water is provided from 6 to 9 am, 12 to 2 pm, and 6 to 9 pm, with no incidences of water-related diseases reported. When the land was initially identified for the project, the entire area was vacant. Since then, the Trust has constructed a boundary around the area with plans to build a school. This means that prior to establishing an ESR in this location, permission will need to be obtained from the Improvement Trust. Such intent was communicated by Mr. Joginder Malhotra, the acting Pradhan.	
Photographs		

99. ESR No. 37, Goushala Tibba Road

Date	23.11.2023	
ESR No.	37	
ESR Location	Goushala Tibba Road	

Zone	B3
ESR Type	Proposed
Participants	S.D.O, Local Residents, J.E & Staff (Municipal Corporation, Ludhiana)
Observations	<p>The suggested location for the ESR is on Trust/ Gaushala-owned land along Tibba Road. The trust, which holds ownership of this land, has expressed openness to the ESR's construction, given the land's significant size. In discussions with Trust representative Mr. Vijay Saini, it was confirmed that permission from the Trust for this project would be required.</p> <p>Mr. Vijay Saini hinted at seeking approval from higher-ranking officials for the cowshed, alternatively, a letter of permission might be formally issued from the Municipal Corporation (MC) office, indicating possible support for the proposal to build the ESR on site.</p> <p>The current site is home to a large amount of cattle, totaling 652. In addition, a community hall was constructed recently for the purpose of hosting wedding events, as of October 15, 2023. It's important to note that high-tension lines cross through the site, extending towards the new national colony. A discussion with Punjab Power Department shall be required in this matter.</p> <p>The potential advantages of the project were underscored throughout the consultations. It was stressed how the ESR's construction could improve groundwater levels and resolve potential future issues regarding water shortages.</p> <p>This interaction with Mr. Vijay Saini and the Trust suggests a willingness to cooperate on the project, dependent on the necessary permissions' acquisition, serving as a promising step forward for the proposed ESR project.</p>
Photographs	 



100.ESR No. 116 Rishi Nagar Block-E

Date	23.11.2023
ESR No.	116
Zone	D
ESR Type	Proposed
Participants	Staff Municipal Corporation Ludhiana and local People
Observations	The proposed site for the ESR is located on MCL land adjacent to the Zone-D Office, within ward No. 78. The site covers an area of 1000 square yards. Inside the park, an abundance of shrubs and greenery can be found, along with two small trees at the projected ESR site. A residential area and another site are situated across the road. There is a 30-foot road at the front end of the site. Local residents have expressed their support for the project.
Photographs	

101.ESR No. 117, Ludhiana Improvement Trust , Sector 39 A, Ludhiana

Date	23.11.2023
ESR No.	117
Zone	D-4
ESR Type	Proposed
Participants	Staff Municipal Corporation Ludhiana and local People

Observations	<p>The ESR is proposed to be located in a walled park on Ludhiana Improvement Trust land. Residential structures border one side of the park wall. The park is compact yet well-maintained and serves as a space for residents to engage in activities such as yoga, walks, and children's play. The proposed ESR site contains one Neem tree, one Bael tree, and four other trees.</p> <p>During the consultation, residents voiced their support for the project but contested the idea of constructing the ESR in the park, fearing it might damage the park's aesthetics and reduce recreational space for the people. They suggested decommissioning the existing structure or relocating it to another park. However, in case the alternative is not found, they were open to further discussions.</p>
Photographs	

102.ESR No. 118, Income tax Department Opposite Govt Polytechnic College, Ludhiana

Date	23.11.2023
ESR No.	118
Zone	D
ESR Type	Existing
Participants	Staff -Municipal Corporation Ludhiana and Local People
Observations	<p>The ESR in question, located in a park enclosed by a boundary wall near Rishi Nagar market, has been non-operational for the past 20 years and was erected on MCL-owned land. The existing ESR is also surrounded by a boundary wall. Two Kesho trees and one Peepal tree situate at the proposed ESR location.</p> <p>The project is widely supported by the residents, who have expressed their wish for the non-functioning ESR to be demolished and replaced with a new one. There have been regular complaints from the local community of foul odors and water contamination in the area due to the supply from the Municipal Corporation.</p>



103.ESR No. 123, Mahaveer Jain Colony Park, Haibowal, Ludhiana

Date	23.11.2023
ESR No.	123, Mahaveer Jain Colony Park, Haibowal, Ludhiana
Zone	D
ESR Type	Proposed
Participants	Staff -Municipal Corporation of Ludhiana and Local People
Observations	<p>The proposed ESR location is in the Mahavir Jain Colony Park, which is in possession of MCL. The park is home to a functional tube well. Other than bushes, no large trees were observed within the park, and it appears to lack proper maintenance, although people use the space to relax. A tube well owned by MCL is operational within the park.</p> <p>The local community expressed support for the project during consultations.</p>
Photographs	


104.ESR No. 124, Shamshan Ghat, Haibowal, Ludhiana

Date	23.11.2023
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ESR No.	124, Shamshan Ghat, Haibowal, Ludhiana
Zone	D
ESR Type	Existing
Participants	Local Residents and JE, Municipal Corporation of Ludhiana
Observations	<p>The existing ESR, constructed on MCL land and located within the boundary walls of Shamshan Ghat, has been non-operational for the past 20 years. Inside Shamshan Ghat, there is a functioning tube well. Given its age, there is a community push to see the ESR renovated or demolished. Another tube well inside the park is also in working condition.</p> <p>The residents of the area are advocating for the demolishing of the non-functional ESR and for a new ESR to be built in its place.</p>
Photographs	

105.ESR No. 127, Jassian Enclave Park

Date	23.11.2023
ESR No.	127
Zone	B-4,
ESR Type	Existing
Participants	Local People and JE, Municipal Corporation of Ludhiana
Observations	The existing ESR is situated within the boundaries of a park that covers an area of 1 acre, maintained by MCL. This ESR was built 40 years ago and has been non-operational for the last

	<p>20 years. Residential areas flank the ESR on both sides, with a Gurudwara and Mata Mandir situated 200 meters away from the park.</p> <p>The residents believe that the ESR can be repaired and brought back to operation. MCL officials clarified that the existing ESR is of low capacity and in future won't be able to cater the growing population. The project has received positive feedback from the people in the area.</p>
<p>Photographs</p>	

106.ESR No. 128, Juhi Enclave Near Jawahar Singh Chowk, Ward No. 94, Ludhiana


<p>Date</p>	<p>23.11.2023</p>
<p>ESR No.</p>	<p>128, Juhi Enclave Near Jawahar Singh Chowk, Ward No. 94, Ludhiana</p>
<p>Zone</p>	<p>D-1</p>
<p>ESR Type</p>	<p>Proposed</p>
<p>Participants</p>	<p>Local People and JE, Municipal Corporation of Ludhiana</p>
<p>Observations</p>	<p>The proposed ESR is located in a walled park on MCL-owned land, with residential buildings bordering the exterior of the park. The park is relatively new, small in size, and well-kept. It is utilized by the colony's residents for activities such as yoga, walking, and children's play. The proposed ESR site hosts one Neem tree, one Bael tree, and four other trees.</p> <p>During the consultation, the residents expressed support for the project, however resisted the construction of the ESR within the park. A written complaint has been lodged against the proposed project with the MCL.</p> <p>An alternative site needs to be identified.</p>



107.ESR No. 129, Kesari Enclave Near Railway Crossing, Ward No. 94, Ludhiana

<p>Date</p>	<p>23.11.2023</p>
<p>ESR No.</p>	<p>129, Kesari Enclave Near Railway Crossing, Ward No. 94, Ludhiana</p>
<p>Zone</p>	<p>D-1</p>
<p>ESR Type</p>	<p>Proposed</p>
<p>Participants</p>	<p>Local People and JE, Municipal Corporation of Ludhiana</p>
<p>Observations</p>	<p>The proposed ESR is to be located in an open area on land In possession of MCL. The area is used by local residents for yoga, walking, and children's play. There is one Neem tree, one bel tree, and ten other trees at the proposed ESR location.</p> <p>While local residents welcome the project, they oppose the construction of the ESR in the park. They suggested relocating ESR to another park. However, in case the alternative is not found, the residents were open to further discussions.</p>
<p>Photographs</p>	

108.ESR No. 121, Dushera Madan, Upkar Nagar Civil Lines Ward No.7, Ludhiana

Date	23.11.2023
ESR No.	121, Dushera Madan, Upkar Nagar Civil Lines
Zone	D-1,
ESR Type	Proposed
Participants	Local People and Supervisors, Municipal Corporation of Ludhiana
Observations	The proposed ESR is to be situated in an open area and is privately owned and allegedly under litigation. Since the land is under litigation, an alternative land needs to be identified.
Photographs	

109.ESR No. 113 Club Road, Civil Lines, Ludhiana

Date	24.11.2023
ESR No.	113
Zone	D-4
ESR Type	Existing
Participants	Staff Municipal Corporation of Ludhiana and local People
Observations	<p>The existing ESR has been non-operational for the past 20 years. Local residents use the park for yoga, walking, and children's play. The park, maintained by MCL, contains three volleyball courts. A tube well within the park supplies water to the local population.</p> <p>The local residents support the project and propose demolishing the non-functional ESR to make way for a new one.</p>



110.ESR No. 120, Pream Nagar Park, Ward No. 83 Ludhiana

Date	24.11.2023
ESR No.	120
Zone	D-4
ESR Type	Proposed
Participants	Staff Municipal Corporation Ludhiana and local People
Observations	<p>The existing ESR, located within the boundary walls of the ESR Premnagar Civil Line Ward No. 83 Park, was built in 1980 on MCL land. However, it has been non-operational for the last 30 years. There are ten trees at the ESR site, along with three transformers that are more than 20 years old. The park serves as a gathering space for local residents for activities like yoga and walks, as well as a playground for children.</p> <p>The residents support the project. They propose the demolition of the current non-functional ESR to make way for a new one. In addition, there is a functional tube well in the park that supplies water to the residents.</p>




111.ESR No. 126, Vinod Park, Civil City, Ludhiana

Date	24.11.2023
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ESR No.	126,
Zone	D, Vinod Park, Civil City, Ludhiana
ESR Type	Existing
Participants	JE Municipal Corporation of Ludhiana and Local People
Observations	<p>The current ESR hasn't been in operation for the past 20 years. It is located within a walled-off park in front of Javodhya Hospital in Civil City. The park is used by the local residents for activities such as yoga and Panchayat meetings. This area is a residential colony.</p> <p>The local community highly appreciates this project. They are in favor of demolishing the existing, non-functional, and undersized ESR to build a new one in its place. The residents presently face issues including smell and contamination of water in the area, which is supplied by the Municipal Corporation, and have complained regarding the same to the department couple of times in the past. This project will benefit the residents and address all the complaints.</p>
Photographs	

112.ESR No. 125, Jeenat Colony Ward No. 91 Ludhiana

Date	24.11.2023
ESR No.	125, Jeenat Colony Ludhiana
Zone	D-1
ESR Type	Existing
Participants	JE Municipal Corporation of Ludhiana and Local People


Observations	<p>The existing ESR was constructed in 2001. The land is in possession of MCL. The park, which is used purposefully by the residents for yoga and walking, is situated in the heart of a residential colony. There is an electric pole is positioned at a distance of 10 meters from the ESR.</p> <p>The project is highly regarded by the local populace. They advocate demolishing the non-functional ESR and replacing it with a new structure.</p>
Photographs	

113. ESR No. 73 Langar Hall Village Daba

Date	06.11.2023
ESR No.	73. Langar Hall Village Daba
Zone	C
ESR Type	Existing
Participants	Supervisor, Municipal Corporation of Ludhiana and Local people
Observations	<p>The site, over 40 years old and non-operational for the last 15 years, is in possession of MCL.</p> <p>The local residents express their desire to demolish and construct a new ESR in place of the current non-operational site. The site is free from encroachments.</p>

114. ESR No. 80, Kot Mangal Mangal Singh

Date	06.11.2023
ESR No.	80 Kot Mangal Singh

Zone	C
ESR Type	Existing
Participants	Park User, Supervisor, Municipal Corporation of Ludhiana and Local people
Observations	<p>ESR is over 30 years old and has been non-operational for the last 10 years, is MCL-owned. During the site visit, around 25-30 people were observed playing cards and spending their leisure time. In the vicinity of the ESR, seven Bakan/Neem trees, eight Bargad trees, twelve Lal Kaner trees, and eight Peepal trees have been noted.</p> <p>The residents expressed a desire to demolish and rebuild a new ESR in replacement of the nonoperational site. Importantly, the site is free from any encroachments.</p>
Photographs	

115.ESR No.137 Vishwakarma Park

Date	07.11.2023
ESR No.	137 Vishwakarma Park
Zone	C
ESR Type	Existing
Participants	Motor Operator, JE, Municipal Corporation of Ludhiana Local People
Observations	<p>The land of the site belongs to Punjab State Information Commission. The ESR is than 50 years old.</p> <p>The local residents express a desire to demolish and rebuild a new ESR in replacement of the nonoperational site. Importantly, the site is free from any encroachments.</p>



116.ESR No. 79 Garewal Colony

Date	07.11.2023
ESR No.	79 Grewal Colony
Zone	C
ESR Type	Existing
Participants	Motor Operator, JE, Municipal Corporation of Ludhiana Local People
Observations	<p>The site's land is in possession of MCL and is more than 20 years old. It is functional and used to fill MCL's water tanker. The ESR also supplies water to the nearby market area.</p> <p>The local residents express a desire to demolish and rebuild a new ESR in replacement of the nonoperational site. Importantly, the site is free from any encroachments.</p>

Photographs	 <p data-bbox="389 598 560 674"> Latitude: 30.853624 Longitude: 75.878457 Altitude: 228.421 m Accuracy: 36.7 m Time: 07-11-2023 16:14 Name: pravej_0510 </p>
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117.ESR No. 83 Over Look Road (Cycle Market)

Date	07.11.2023
ESR No.	83 Over Look Road (Cycle Market)
Zone	C-1
ESR Type	Existing
Participants	Motor Operator, JE, Municipal Corporation of Ludhiana Local People
Observations	<p>The site's land is in possession of MCL and is over 20 years old. It is currently operational and used to fill MCL's water tankers. The ESR also supplies water to the nearby market area.</p> <p>The local community wishes to demolish the current site, which is non-functional, and construct a new ESR in its place. The site is currently free of encroachments.</p>



118.ESR No. 85 Gill Chowk, Miller Ganj

<p>Date</p>	<p>07.11.2023</p>
<p>ESR No.</p>	<p>85 Gill Chowk, Miller Ganj</p>
<p>Zone</p>	<p>C-1</p>
<p>ESR Type</p>	<p>Existing</p>
<p>Participants</p>	<p>Motor Operator, JE, Municipal Corporation of Ludhiana Local People</p>
<p>Observations</p>	<p>The site's land is in possession of MCL and is more than 20 years old. It is currently operational and used to fill MCL's water tankers. Also, the ESR provides water to the nearby market area.</p> <p>The local community supports the demolition of the current, non-functioning site and the construction of a new ESR in its place. Presently, the site is free from any encodings.</p>
<p>Photographs</p>	




119.ESR No. 88 Durgj, Near Shitla Mata Mandir

Date	07.11.2023
ESR No.	88 Durgj, Near Shitla Mata Mandir
Zone	C-2
ESR Type	Existing
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The land of the site is in possession of the MCL. It is more than 20 years old. It is operational and used to fill water tankers for MCL.</p> <p>The local community supports the demolition of the current, non-functioning site and the construction of a new ESR in its place. Presently, the site is free from any encodings.</p>



120.ESR No. 78 Lohara Shamshanghat

Date	07.11.2023
ESR No.	78 Lohara Shamshanghat



Zone	C-2
ESR Type	Proposed
Participants	Motor Operator, Supervisor Municipal Corporation of Ludhiana and Local People
Observations	<p>The site in Lohara Shamshanghat is owned by MCL and has been functioning for over 20 years. It is operational and used to fill MCL's water tankers and also to provide water to the nearby factory area.</p> <p>The participants supported the project.</p>
Photographs	

121.ESR No. 03, Royal City Park, Ward No. 1, Ludhiana

Date	10.11.2023
ESR No.	03, Royal City Park, Ward No. 1, Ludhiana
Zone	A
ESR Type	Proposed
Participants	Local Residence and JE Municipal Corporation of Ludhiana
Observations	<p>The proposed site is in a small, well-maintained park within a residential area, and the land is maintained and possessed by MCL. The park is currently used by residents and children for activities such as sitting, yoga, walking, and playing. No major trees would be impacted at the proposed site, only small shrubs. There is a currently non-functional fountain in the park.</p>



Photographs		
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122.ESR No. 06, W 24, Beside Old Public Toilet, GT Road, Ward No. 87



Date	10.11.2023	
ESR No.	06, W 24, Beside Old Public Toilet, GT Road, Ward No. 87	
Zone	A	
ESR Type	Proposed	
Participants	JE and Other MCL Staff Municipal Corporation of Ludhiana	
Observations	<p>The proposed site is located in a park that runs adjacent to GT Road. Nearby, there is a community toilet and a municipal solid waste collection and segregation site approximately 50 meters away. One side of the proposed site is bordered by GT Road while the other side is flanked by small shops and factories. The site, which is free from encroachments and is enclosed by a boundary wall, is void of any trees. Both High Tension (HT) and Low Tension (LT) electrical lines pass along either side of the park. A small temple is also located outside the park.</p> <p>The ownership of the land is with MCL.</p>	
Photographs		

123.ESR No. 20, Panchshil Park, Ward No. 03, Ludhiana

Date	10.11.2023	
ESR No.	20, Panchshil Park, Ward No. 03, Ludhiana	
Zone	A	


ESR Type	Proposed
Participants	Local Residents and JE, Municipal Corporation of Ludhiana
Observations	The proposed site is located in a small park within the residential area of Basant Vihar, and the land is maintained by MCL. An operational tube-well is installed in the park, which is frequented by local residents and children for activities such as playing, yoga, sitting, and walking. The local residents are in favor of the proposed ESR in the park.
Photographs	 

124.ESR No. 17 & 18, Govt. Primary School, Gehlewal, Ward No. 6, Ludhiana

Date	10.11.2023
ESR No.	ESR No. 17 & 18, Govt. Primary School, Gehlewal, Ward No. 6, Ludhiana
Zone	A
ESR Type	Proposed
Participants	School Head, Local Residence and JE, Municipal Corporation of Ludhiana
Observations	Two ESRs are proposed to be built on the grounds of the Government Primary School in Gehlewal. The site is not available for the construction of ESRs. An alternative location needs to be identified.
Photographs	 

125.ESR No. 69 Gaispura Mini Rose Garden-1

Date	09.11.2023
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ESR No.	69. Gaispura Mini Rose Garden- 1
Zone	C-3
ESR Type	Proposed
Participants	Supervisor Municipal Corporation of Ludhiana & Local People
Observations	<p>The Gaspura Mini Rose Garden-1 in Ludhiana, spread over approximately 3.5 acres, has been renovated under the Smart City Mission. The park is owned by MCL.</p> <p>The proposal was discussed with the residents, and they principally agreed for the construction of ESR.</p>
Photographs	 <p>Latitude: 30.8709 Longitude: 75.856743 Elevation: 279.2214 m Accuracy: 4.7 m Time: 09-11-2023 11:47 Note: Gaspura mini rose garden 1</p> <p>Powered by NoteCam</p>

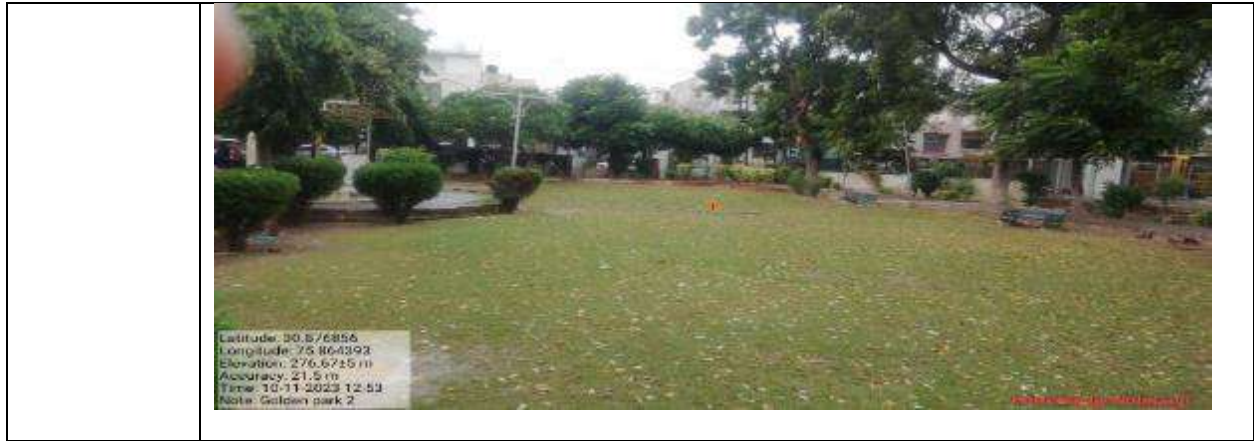
126. ESR No 82, Golden Park -1

Date	10.11.2023
ESR No.	82, Golden Park -1
Zone	C-3
ESR Type	Proposed
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	<p>The land for the proposed ESR, possessed by MCL, is within a park's boundary walls.</p> <p>The proposal was discussed with the residents, and they principally agreed for the construction of ESR.</p>




127.ESR No 83, Golden Park -2



<p>Date</p>	<p>10.11.2023</p>
<p>ESR No.</p>	<p>83, Golden Park -2</p>
<p>Zone</p>	<p>C-3</p>
<p>ESR Type</p>	<p>Proposed</p>
<p>Participants</p>	<p>Supervisor Municipal Corporation of Ludhiana Local People</p>
<p>Observations</p>	<p>The land for the proposed ESR, possessed by MCL, is within a park's boundary walls.</p> <p>The proposal was discussed with the residents, and they principally agreed for the construction of ESR.</p>
<p>Photographs</p>	 <p>Latitude: 30.876774 Longitude: 75.864475 Elevation: 279.6733 m Accuracy: 12.5 m Time: 10-11-2023 12:53 Note: Golden park 2</p> <p style="text-align: right;"><i>Powered by NoteCam</i></p>






128.ESR No 54, Urban Estate Phase I

Date	10.11.2023
ESR No.	54, Urban Estate Phase I
Zone	B4
ESR Type	Existing (Not Under Use)
Participants	Supervisor Municipal Corporation of Ludhiana Local People
Observations	The land, which is over 20 years old, is possessed by MCL. During consultation, people showed their support for the project.
Photographs	

Annexure 27B: Consultation with Sensitive receptors along the transmission network



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
1	Maa Vaishno Dham, Sector 32, Jamalpur (Date:- 7-02-2024)	6	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 6 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution. However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: During the consultation, it was highlighted, that the construction work could disrupt the peaceful nature of temple, which could negatively impact worship activities, ceremonies, or rituals. Concerns was raised over how access to the temple could be mitigated during construction, potentially causing difficulty for worshippers and temple staff. Concern was raised around the timing of construction, particularly if it coincides with religious festivities, special ceremonies, or peak worship periods.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
2	Main Road New Subhas Nagar (Date:- 7-02-2024)	7	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 7 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution. However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Concerns were raised mainly by the shop owners (Hardware shops, Electric shops and Kirana shops) about the disruptions to their business during construction, as noise, dust, and reduced customer accessibility could all impact sales. Concern was raised about the safety of their customers and staff. Despite the fact that the location in question is a busy market area and participants requested that "it would be better, if the construction will do in night-time".</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
3	New Subhas Nagar, Gurudwara (Date:- 7-02-2024)	7	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 7 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Concern was raised about the disruption of practice of free meals, known as "langar", to those in need. The participants voiced concerns that this seva service may be disrupted during the construction phase, but they welcome to compensate quality water to the public. Gurudwara officials would require assurance that they would be kept informed about the project's progress, Construction waste disposal and maintaining cleanliness around the Gurudwara premises.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
4	Passi Clinic, Subhas Nagar, (Date:- 7-02-2024)	7	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 7 participants took part in the consultation process. The consultation was conducted by the consultation, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: During the consultation, it became apparent that the majority of those in attendance were not yet informed about the scope of the proposed pipeline project. This lack of information led to expressions of concern, particularly surrounding the timeline for the project's start & completion. However, participants mentioned that a local clinic only opens for a few hours, therefore the pipeline construction wouldn't cause significant issues for patients. They indicated that despite the potential disruption due to construction work, they were in support of the proposed pipeline project.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
5	Medical Store (Date:- 7-02-2024)	6	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 6 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Concern was raised that prolonged construction periods may lead to sustained business disruptions. During the consultation, construction will affect patient access to medical store. Concern was raised that construction work might complicate deliveries of medical supply if routes are blocked or access to loading areas is limited.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
6	Gaba Store, Subhash Nagar (Date:- 7-02-2024)	6	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 6 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: Attendees were not informed about the proposed project. Concern was raised surrounding the timeline for the project's start & completion. However, even among potential disruptions to customers of local convenience stores (Kirana shops) due to construction work, a strong consensus showed support for the proposed pipeline project. Attendees recognized the eventual benefits that the project would bring to their community, outweighing the temporary inconveniences during the construction phase.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
7	S.O.E. Indira Puri School (Date:- 7-02-2024)	7	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 7 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: Concern was raised that the construction work could negatively impact school bus services, potentially causing disruption and inconvenience to local students and parents. To mitigate this, a suggestion was made for the construction work to be carried out during night shifts when school bus services would not be operational.</p> <p>It was mentioned the new school building's construction has been recently completed. Students are expected to transition to this newly built facility in February. Coinciding with this transition, an inauguration ceremony is being planned and will be attended by Members of Legislative Assembly (MLAs) and other distinguished guests. Therefore, to ensure an undisturbed event, it was mentioned that all the construction activities shall be paused during this period.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
8	Sarabha Nagar Market (Date:- 8-2-2024)	6	<p>Consultations: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 6 participants took part in the consultation process. The consultation was conducted by the consultation & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Majority of stakeholders are shopkeepers and their concern about the customers access routes being blocked during the construction phase, but they welcome to compensate quality water to the public. Concern was raised about the timing of the project, it was mentioned that the construction work shall proceed during nighttime to mitigate the disruption of business. Concern was raised about the safety of the customer and staff.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	

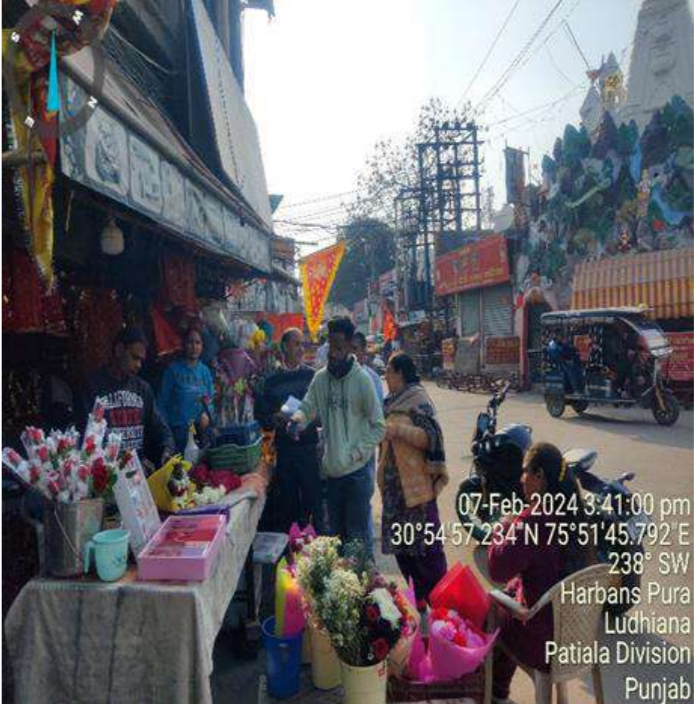

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
9	Narayana Techno e-School (Date:- 8-2-2024)	5	<p>Consultation: The consultation team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the consultation & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: During the consultation, it became apparent that the majority of those in attendance were not yet informed about the scope of the proposed pipeline project. This lack of information led to expressions of concern, particularly surrounding the timeline for the project's start & completion. It was mentioned that the school host the 10th and 12th Board Examinations, which traditionally take place from March to April. Thus, to avoid disturbances, construction activities should be put on hold during this time period.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
10	Shri Durga Mandir Trust Hospital (Date:- 8-2-2024)	4	<p>Consultation by E&S Consultant: The E&S Consultant team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by E&S Consultant & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: It was mentioned that the construction could potentially affect accessibility to the hospital for patients, ambulances, and staff. Emergency access routes must remain clear at all times. Concern was raised that interference with existing utilities such as water, electricity, sewage and could disrupt important hospital services. It was highlighted that hospitals house sensitive and expensive medical equipment. Concerns were raised about potential damage caused by vibrations.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
11	Sarabha Nagar Market Date: (Date:- 8-2-2024)	4	<p>Consultation by E&S Consultant: The E&S Consultant team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the E&S Consultant & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Shopkeepers mentioned that the project will disrupt their business during construction, due to noise, dust, and reduced customer accessibility. It was mentioned that construction work will occupy a significant portion of the street, it could limit available parking spaces for potential customers. Concern was raised about the start and end of the construction work.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
12	Navya Diagnostic Dogri (Date: - 8-2-2024)	4	<p>Consultation by E&S Consultant: The E&S Consultant team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 4 participants took part in the consultation process. The consultation was conducted by the E&S Consultant & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: It was mentioned that some diagnostic procedures involve sensitive machinery and any vibration caused by construction could potentially disrupt their accuracy. Further, concern was raised about the timing of the project. It was highlighted that the dust and noise pollution rises during the construction phase, hence necessary arrangements shall be made to mitigate these impacts.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
13	Dogri Phase-1 Road (Date: - 8-2-2024)	7	<p>Consultation by E&S Consultant: The E&S Consultant team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 7 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Concern was raised about the timeline for the project. Further, concern was raised about the customers access routes being blocked, but they welcome to compensate quality water to the public. Safety concern was highlighted.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
14	Gurudwara Nanak (Date: - 8-2-2024)	5	<p>Consultation by E&S Consultant: The E&S Consultant briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the E&S Consultant & PIU.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution.</p> <p>However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: Safety concerns was raised that health and safety of the devotes specially children. Further it was mentioned that the construction waste shall not be littered around that will create inconvenience. Concern was raised that free lungar service being hampered. Noise and disruption resulting from construction activities may interrupt prayer and could disturb worshippers and hallowed rituals.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
15	Deepak Hospital (Date: - 8-2-2024)	5	<p>Consultation by E&S Consultant: The E&S Consultant team briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 5 participants took part in the consultation process. The consultation was conducted by the E&S Consultant & PIU.</p> <p>Comments by the Consultation team: During the consultation, it was revealed that the majority of participants were already informed about the proposed project, with their primary sources of information being local newspapers and television. The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution. However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements. This would involve clear signposting and regular communication with local businesses and residents to make certain everyone is well-informed about which routes always remain accessible during construction.</p> <p>Point of View of Stakeholders: CEO of the Hospital Mr. Anil voiced concerns about potential roadblocks during the construction phase that could impact the movement of ambulances. It was suggested that construction near the Deepak Hospital be completed under 'Fasttrack' mode to limit any potential disruption to critical medical services. Further, necessary arrangements shall be taken to provide access to at least one of the gate of the Hospital.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	
16	Guru Nanak Public School (Date: - 8-2-2024)	6	<p>Consultation by E&S Consultant: The E&S Consultant briefed about the scope of the project, its components, long term benefits and probable impacts. A total of 6 participants took part in the consultation process. The consultation was conducted by the E&S Consultant, PIU and the MCL.</p> <p>Comments by the Consultation team: The project team took the opportunity during the consultation to inform stakeholders about the potential disruptions during the construction phase. They acknowledged that access to certain areas might be temporarily blocked, and that the project could contribute to air and noise pollution. However, they also assured stakeholders that these impacts would be managed effectively. The authority/contractor responsible for the project would be implementing mitigation strategies to minimize these troubles. To address the concerns regarding access routes being blocked during construction, the team informed that the executing agency would responsibly plan alternate access arrangements.</p> <p>Point of View of Stakeholders: They also indicated that the construction work could negatively impact school bus services, potentially causing disruption and inconvenience to local students and parents. To mitigate this, a suggestion was made for the construction work to be carried out during night shifts when school bus services would not be operational. The project team acknowledged these concerns and assured the participants that they would consider all suggestions to minimize disruption and address the issues raised. They also stressed the importance of maintaining open communication and promised to share more detailed information regarding the project's timeline and planned construction activities.</p> <p>Consultation Summary: The consultation went smooth, and the stakeholder agreed to cooperate during the implementation phase of the project.</p>	



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
17	Durga Mata mandir (Geeta Bhavan), Ludhiana (Date: -07.02.2024)	10	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 10 participants took part in the consultation process. The consultation was conducted by Mr. Kamal Singh and Mr. Manish Markand Indurkar, VSPL, Gurugram conducted the consultation and Mr. Avinash Kumar from PIU are also present and interacted during the consultation.</p> <p>Comments by the Consultation team: The majority of participants were already known about the project. Most of them expressed approval of the project, highlighting that they anticipate no problems from the proposed construction. They also praised the efficiency of the current water supply system by the municipal corporation, which they reported as being reliable and high-pressure.</p> <p>Point of View of Stakeholders: Concerns were raised mainly by the shop owners who form the majority, about the potential impact on sales during the construction phase. Furthermore, disruptions are expected around the Geeta mandir dharmshala, a notable location where free "lungar" (community meals) are served to those in need. Participants expressed concern that these services could be affected during construction.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	 <p>07-Feb-2024 2:33:29 pm 30°54'25.895"N 75°50'47.678"E 23° NE Bhai Randhir Singh Nagar Ludhiana Patiala Division Punjab</p>
18	CMC Hospital, Brown Road, Ludhiana (Date: -07.02.2024)	9	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 9 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: The majority of participants were already known about the project. They also praised the efficiency of the current water supply system by the municipal corporation, which they reported as being reliable and high-pressure.</p> <p>Point of View of Stakeholders: Most participants in the consultation were medical staff, patients, and vendors near the CMC. While the patients praised the proposed project, they voiced concerns about potential roadblocks during the construction phase that could impact the movement of ambulances. It was suggested that construction near the CMC hospital be completed under 'Fasttrack' mode to limit any potential disruption to critical medical services.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	 <p>07-Feb-2024 3:09:36 pm 30°54'38.489"N 75°51'50.242"E 85° E CMC Campus Ludhiana Patiala Division Punjab</p>



S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
19	Division -3 Mandir, Ludhiana (Date: - 7.2.2024)	7	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 7 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it was mentioned that some participants were already aware of the proposed project, having received their information primarily through television news. An unrelated issue that was brought up was the poor water facility service provided by the municipal corporation. While not directly linked to the project, this highlights the local needs and conditions in the area that might need attention from the local authorities.</p> <p>Point of View of Stakeholders: Concerns were raised mainly by the shop owners (Gift item shops, flower shops and Kirana shops) who form the majority, about the potential impact on sales during the construction phase. Despite the fact that the location in question is a busy market area with narrow roads and the participants requested that "it would be better, if the construction work happens in night time".</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	
20	Sita Mata Mandir, Ludhiana (Date: -7.2.2024)	11	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 11 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: The majority of participants in the consultation were shop owners and hawkers who shared concerns about potential impacts on their sales during the construction phase of the proposed project. Despite these concerns, participants spoke favorably of the project, stressing that it would fulfill the common needs of the local people.</p> <p>Point of View of Stakeholders: Concern was raised about the timing of the project, concern raised about being kept updated on construction progress. Concern was raised about the waste materials from construction cluttering the area. Heavy machinery will lead to decrease in customer footfall.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
21	Clocktower (Ghantaghar Market), Ludhiana. Date: - (7.2.2024)	11	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 11 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it was revealed that the majority of participants were already informed about the proposed project, with their primary sources of information being local newspapers and television. They expressed no issues with the proposed project, generally viewing it positively. Participants, the majority of whom were shop owners and auto drivers, appreciated the water facility provided by the municipal corporation. They noted the regularity and good pressure with which water was supplied. Nevertheless, all participants expressed their support for the project. They, however, forewarned about potential traffic issues during the construction phase due to the heavy rush in the market and the occupation of the road's median by a flyover.</p> <p>Point of View of Stakeholders: The participants also raised concerns about the potential impact on their sales during the construction phase and noted that utility lines from the BSNL are also using the same route. The consultation highlighted the particular concern regarding the Clocktower market, cited as the busiest market in Ludhiana. The participants suggested that construction be undertaken during the night-time to minimize disruption in this bustling area.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	 <p>Ludhiana, Punjab, India Guru Teg Bahadur, gurutog bahadur, Clock Tower, Gurutog Bahadur, Old Ludhiana, Ludhiana, Punjab 141006, India Lat 30.915869° Long 75.84838° 07/02/24 08:18 PM GMT +05:30</p>
22	Shri Guru Ravidas Gurudwara, Basti Jodhewal Chowk, Ludhiana (Date: 08.02.2024)	13	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 13 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: Most attendees were members of the local Mandir Prabandhan Committee and shop owners. Attendees largely welcomed the project, expressing no specific concerns which might arise due to the project. They also commended the current water supply facilities of the Municipal Corporation, indicating their satisfaction with the services provided. The project team appreciated the feedback from the participants, promising that their concerns and suggestions would be carefully considered, and that effective communication with all stakeholders would be sustained throughout the project execution phase.</p> <p>Point of View of Stakeholders: Despite the generally positive feedback, participants pointed out that it would be preferable for construction work to be carried out during the night. They believed this could help minimize disruption to daily business activities and routine matters. Safety concern was raised, participants mentioned barricading of the area shall be done to reduce the accidents mishaps.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential</p>	 <p>08-Feb-2024 7:50:12 pm 30°55'51.698"N 75°52'12.313"E 226° SW Chowk Ludhiana Patiala Division Punjab</p>

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
23	Government Primary Smart School, Basti Jodhewal Chowk, Ludhiana (Date: 08.02.2024)	12	<p>concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p> <p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 12 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it appeared the majority of participants were not initially aware of the proposed project. However, upon gaining an understanding of the project, the participants generally expressed no objections or issues toward the undertaking.</p> <p>An interesting observation was made regarding the current location of the water and sewage pipelines, which are situated diagonally across the road. This might present a challenge during the construction stage of the proposed pipeline. Despite these concerns, the participants were pleased with the existing water facilities provided by the Municipal Corporation and appeared receptive toward the proposed project. The project team found this feedback valuable in order to take the necessary measures to address the concerns raised and keep the participants updated and involved throughout the construction phase.</p> <p>Point of View of Stakeholders: One major concern expressed was about the potential disturbance to students due to the noise from the construction activities. The attendees suggested that measures should be taken to ensure the students' access to the school premises is not hindered during construction. Sound barriers and air pollution suppressing measures shall be considered.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	
24	GMT Public school, Grand Trunk Rd, Jalandhar Bypass Chowk, Ludhiana. (Date: 08.02.2024)	18	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 18 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it was revealed that most participants were not initially informed about the proposed project. Despite slight concerns, all participants expressed their support and enthusiasm for the project. Traffic congestion was foreseen as a possible issue due to the narrow approach road to the ESR during the construction phase. However, it was highlighted that this should not pose a problem for the highway side.</p> <p>Point of View of Stakeholders: A potential impact identified was to a local school, namely the GMT School. It was mentioned that the transmission line for the project would affect the school from two directions: one from the main road and the other from the approach road to the (ESR). The Director of GMT School drew attention to the issue of waterlogging that the area experiences during the rainy season. Despite this, the Director and all the teachers expressed considerable satisfaction with the planned project. They emphasized the benefits of canal water over groundwater and the importance of conserving groundwater resources for future generations. Concern was expressed over the water facilities provided by the municipal corporation, which seemed inadequate according to the participants. A suggestion was put forth to perform the construction work during night-time to minimize daytime disturbances.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential</p>	

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
			concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.	
25	Rahon road, Basti chowk, Ludhiana. (Date: 08.02.2024)	10	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 10 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it surfaced that most participants were already informed about the proposed project. The participants were satisfied with the water supply service provided by the Municipal Corporation. They also understood that, despite the temporary impact on their sales during the construction phase, the finished project would ultimately benefit the wider community.</p> <p>Point of View of Stakeholders: A notable concern was expressed by most participants, mostly shop owners, regarding their previous experience with the laying of a drinking water pipeline three years earlier. They voiced that the construction had caused disruptions to their daily shop operations. Despite this, there was an overall acknowledgment of the importance of the proposed project. Participants expressed the hope that the project would be completed within the designated timeline to limit disruptions as much as possible. Respondents suggested that construction activities should take place during the night to minimize disruptions to business operations and daily routines.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	 <p>08-Feb-2024 4:32:23 pm 30°55'52.951"N 75°52'13.566"E 98° E Rahon Road Jodhewal Ludhiana Patiala Division Punjab</p>
26	Government Primary School, Bilga, Ludhiana (Date: 09.02.2024)	12	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 12 participants took part in the consultation process. The consultation was conducted by Kamal Singh, Manish Markand Indurkar, VSPL, Gurugram and Mr. Avinash Kumar from PIU was also present and interacted during consultation.</p> <p>Comments by the Consultation team: The consultation revealed that most attendees were already informed about the project. The majority of participants expressed no objections or concerns, indicating their overall support for the project. An interesting request came from the head teacher of the primary school. She inquired about the proposed project's potential to support local school children's needs. She specifically requested assistance through the project's Corporate Social Responsibility (CSR) initiatives for constructing an additional two classrooms and toilets.</p> <p>Point of View of Stakeholders: The participants suggested including provisions for supplying drinking water directly from the Water Treatment Plants (WTPs) to the school. Concerning impacts of construction activities on school operations, it was noted that the school's location being far from the project site means no adverse effects are expected during the construction phase.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	 <p>09-Feb-2024 12:21:47 pm 30°48'44.852"N 75°59'9.236"E 45° NE Unnamed Road Bilga Patiala Division Punjab</p>

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
27	Bilga village, Ludhiana (Date: 09.02.2024)	8	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 8 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: The consultation revealed that most attendees, mainly farmers and agricultural workers.</p> <p>Point of View of Stakeholders: A prominent farmer, Mr. Gajan Singh, shared that the land required for the proposed project had already been purchased and transferred. Residents of the village Bilga requested that treated water from WTP shall be provided to the residents of the village Bilga. Mr. Parvender Singh, a member of the Valmiki community who depends on agricultural labour, was not initially aware of the project. However, upon hearing about it, he expressed hope for potential employment opportunities during the construction phase. Both he and his family extended a warm welcome to the project and the potential benefits it could bring to their community.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	
28	Sant Baba Wariam Singh Senior Secondary School, Rajgarh, Ludhiana. (Date: 09.02.2024)	8	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 8 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, most of the participants indicated they were already aware of the proposed project.</p> <p>Point of View of Stakeholders: The area in question is located in a bustling market with narrow roads. Principal Mrs. Sarabjeet Kaur emphasized concerns regarding the current road conditions which could prove challenging during construction. The school principal made particular requests for the inclusion of amenities such as student toilets and a greenbelt under the project's Corporate Social Responsibility (CSR) funding. To minimize disruptions, participants suggested scheduling construction activities during the night-time. Some other concerns raised during the discussion included issues of water logging during the rainy season which primarily affects children. Furthermore, concerns were raised about potential traffic disruptions that might occur during the construction phase.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	

S.No.	Location	Participants No.	Concerns / issues discussed	Photographs
29	Gill chowk, Ludhiana. (Date: 09.02.2024)	9	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 9 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: During the consultation, it was revealed that none of the participants were initially aware of the proposed project details.</p> <p>Point of View of Stakeholders: The area of discussion is a busy market square in Ludhiana, hosting kirana shops, clothing stores, medical facilities, and general stores on one side and an old bike market on the other side of the road. The area also features a flyover in the middle of the road to accommodate traffic from both sides. Notably, the plan includes passing a 2000mm diameter pipeline through one end of the area. Given the existing road width of 20 feet, participants expressed concerns about potential traffic congestion if the pipeline were to occupy about 7 feet of this road width. The participants proposed implementing traffic diversion measures to mitigate the effects of construction on the normal flow of traffic. They pointed out that the project could also negatively impact the sales of fruit vendors operating along the road.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	
30	ESIC Hospital, Bharat Nagar chowk, Ludhiana. (Date: 09.02.2024)	6	<p>Consultations: Consultation initiated with a formal introduction by the Environmental & Social (E&S) Consultant and brief about various aspects of the proposed pipeline project spanning across multiple locations. A total of 6 participants took part in the consultation process. The consultation was conducted by Kamal Singh and Manish Markand Indurkar, VSPL, Gurugram.</p> <p>Comments by the Consultation team: The consultation session revealed that most attendees were already informed about the proposed project. The attendees were primarily medical and security personnel.</p> <p>Point of View of Stakeholders: The participants noted that due to the project's construction phase, the surrounding roads are expected to host heavy traffic, particularly during office hours. Considering the road adjacent to the hospital is 30 feet wide, management challenges could arise due to an increase in traffic volumes during construction. Therefore, the participants suggested traffic diversion measures to help mitigate the potential traffic management issues.</p> <p>Consultation Summary: The consultation process proved to be successful, with all stakeholders communicating openly and effectively about the projected pipeline plans. Despite any potential concerns and disruptions highlighted during the Consultation, the stakeholders gave their vote of approval for the project's commencement.</p>	

17. Durga Mata mandir (Geeta Bhavan), Ludhiana (Date: -07 .02.2024)



Punjab Municipal Infrastructure Development Company (PMIDC)
 Name of Place/Venue: Geeta mata mandir Date: 7/2/24

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Balwinder Kaur 9872407831	shop owner	Female	58	GEN	[Signature]
2	Neeraj Kumar 9622907711	Prop. JCB	M	30	GEN	[Signature]
3	Kumar Raj Singh	Prop. JCB	M	49	GEN	[Signature]
4	Gurpreet Singh 9872407831	shop owner	M	26	GEN	[Signature]
5	Sandeep Singh 9872407831	shop owner	M	32	GEN	[Signature]
6	Hikmat Kaur 9872407831	Shopkeeper	M	70	GEN	[Signature]
7	Harpreet Singh 9872407831	Shopkeeper	M	29	GEN	[Signature]
8	Rajinder Singh 9872407831	charitable	M	50	GEN	[Signature]
9	Harpreet Singh 9872407831	Photo producer	M	83	GEN	[Signature]
10	Rajinder Singh 9872407831	Arbitrator	M	60	GEN	[Signature]
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 342° N
 Civil Lines
 Ludhiana
 Patiala Division
 Punjab

18. CMC Hospital, Brown Road, Ludhiana (Date: -07 .02.2024)



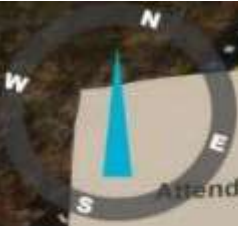
Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: CMC Hospital Date: 7/2/2024

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1	Hassan Kaur	91988481205	Housewife	Grav	[Signature]
2	Praveen (S)	90535918790	Clean	Medical	[Signature]
3	Mrs Rajandira	8166511910	Commander	Medical	[Signature]
4	Ranjana Kaur	9117205711		Grav	[Signature]
5	Ranjana Kaur	9569250611	Miner	Grav	[Signature]
6	Jaspreet Singh	988820464	Teacher	Grav	[Signature]
7	Charanjit Singh	9855872223		Grav	[Signature]
8	Harpreet Singh		Chick shop	Grav	[Signature]
9	Harpal Singh	9769229515	Senior Clerk	Grav	[Signature]

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 Civil Lines
 Ludhiana
 Patiala Division
 Punjab

19. Division -3 Mandir, Ludhiana (Date: - 7.2.2024)



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: *Division 3 Mandir* Date: *7-02-2024*

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1	<i>Ajay Mahotra</i>	<i>9050621029</i>	<i>Shop owner</i>	<i>-shop</i>	<i>[Signature]</i>
2	<i>Ashaji</i>	<i>-</i>	<i>Shop owner</i>	<i>shop</i>	<i>[Signature]</i>
3	<i>Raksh</i>	<i>9070118000</i>	<i>Station Shop</i>	<i>shop</i>	<i>[Signature]</i>
4	<i>Bifasha</i>	<i>7719762905</i>	<i>Romero Floor</i>	<i>shop</i>	<i>[Signature]</i>
5	<i>Ms. Simi Kaur</i>	<i>-</i>	<i>?</i>	<i>H</i>	<i>[Signature]</i>
6	<i>Maitraj Gabb</i>	<i>7814969644</i>	<i>Housewife</i>	<i>Fruit Shop</i>	<i>[Signature]</i>
7	<i>Madan Lal</i>	<i>-</i>			<i>[Signature]</i>

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 342° N
 Civil Lines
 Ludhiana
 Patiala Division
 Punjab

20. Sita Mata Mandir, Ludhiana (Date: - 7.2.2024)



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

~~Dr. Daren~~ Daren Ground
Near Chand Bagan
Date: 7/2/24

Location: Sita Mata Mandir

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1.	Soni			Veg. Vendor	[Signature]
2.	Batra			Govt. Employee	[Signature]
3.	Nishu	998695459		Business	[Signature]
4.	Hanukhan	9316856740		shop	[Signature]
5.	Ashok	8054852455		Shoe shop	[Signature]
6.	Shyam	9877760828		Chalshop	[Signature]
7.	Kallu	9878002526		charity	[Signature]
8.	Kuldeep Singh	9429415920		Auto Part	[Signature]
9.	Munir	9809027600		Choke Kame	MUNIR
10.	Anil Kumar	779986158		Bus Pasi	[Signature]
11.	Hardeep	987495194		Printed	[Signature]

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3° N

Civil Lines
Ludhiana
Patiala Division
Punjab

21. Clocktower (Ghantagar Market), Ludhiana (Date: - 7.2.2024).

Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Clock tower, Ghantagar Date: 7/2/24

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Ashok Kumar 9046109622	Concessionary Vendor	M	67	GN	Ashok Kumar
2	Rajni Rai 983305792		M	62	GN	Rajni Rai
3	Sayam Das 6280646113	Librarian	N	36	SC	Sayam Das
4	Prakash Singh 9888425965	Shopkeeper	M	55	GN	Prakash Singh
5	Prakash Singh 9888425965	Shop	M	45	GEN	Prakash Singh
6	Prakash Singh 9888425965	Auto	M	55	GN	Prakash Singh
7	Prakash Singh 9888425965	Auto	M	52	GN	Prakash Singh
8	Prakash Singh 9888425965	Auto	M	60	SC	Swarnidip Singh
9	Prakash Singh 9888425965	Auto	M	62	SC	Ricky
10	Prakash Singh 9888425965	Auto Driver	M	45	SC	Prakash Singh
11	Vijay Singh 9888425965	Auto	M	39	SC	Vijay Singh
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22. Shri Guru Ravidas Mandir (Gurudwara), Basti Jodhewal Chowk, Ludhiana (Date: - 8.2.2024).



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: Shri. Gurur Ravidas Mandir, Basti Jodhewal Chowk, Ludhiana Date: 8/2/24

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1	Hardeep Singh	9814355777	President		[Signature]
2	Narinder Kumar	9855182257	G-Group		[Signature]
3	Sohan Singh	9463592568			[Signature]
4	Rajinder Kaur	905293777	P.S. Officer		[Signature]
5	Purnima Singh	797261735	Accountant		[Signature]
6	Sukhdev Singh	2973997932	Secretary		[Signature]
7	Balveer Singh	9463414797	Man		[Signature]
8	Simranpreet Kaur	9462085304			[Signature]
9	Anammoni	7973728322			[Signature]
10	Sandeep	9465042688			[Signature]
11	Arjit	881767710			[Signature]
12	Prateek	842768286			[Signature]
13	Ramdeep Singh	9872188050			[Signature]

12-Feb-2024 12:21:19 pm
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 Sector 30
 Gurugram
 Gurgaon Division
 Haryana

23. Government Primary Smart School, Basti Jodhewal Chowk, Ludhiana (Date: - 8.2.2024).



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: *Govt. Pri. Smart school Basti Jodhewal* Date: *8/02/2024*

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
01	<i>Indeyi</i>	<i>9469270343</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
02	<i>AMARJITSINGH</i>	<i>8146776903</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
03	<i>ELASHVINDER Kaur</i>	<i>9872937409</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
04	<i>Kuldip kumar</i>	<i>9501550509</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
05	<i>Simsarpal Singh</i>	<i>9501016301</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
06	<i>Sumita Rani</i>	<i>7837775216</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
07	<i>Rachna Rani</i>	<i>991424284</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
08	<i>Kasampal Kaur</i>	<i>99929-78919</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
09	<i>Kamraj Singh</i>	<i>98781-65193</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
10	<i>Bharti</i>	<i>77400-60827</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
11	<i>Shaweta</i>	<i>9646650972</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>
12	<i>Kulvir kaur</i>	<i>8286905000</i>	<i>A.T</i>	<i>Teacher</i>	<i>[Signature]</i>

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 Sector
 Gurugr
 Gurgaon Divis
 Harya

24. GMT Public school, Grand Trunk Rd, Jalandhar Bypass Chowk, Ludhiana (Date: - 8.2.2024).



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: *GMT public school, Ludhiana* Date: *8/2/2024*

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1	Nafiseh Shama	9779412293	Co-ordinator	Teacher	<i>[Signature]</i>
2	Toorja Singh	7743016892	Co-ordinator	Teacher	<i>[Signature]</i>
3	Hemant Singh	9463624833	PG-2 Punjab	Teacher	<i>[Signature]</i>
4	Narinder Kaur	9814822323	P.G.T Economics	Teacher	<i>[Signature]</i>
5	Beena Kaur	9517751146	P.G.T English	Teacher	<i>[Signature]</i>
6	Neha	9779636085	P.G.T English	Teacher	<i>[Signature]</i>
7	Linky	7814240110	P.G.T Pol.Sci	Teacher	<i>[Signature]</i>
8	Kupali Jahan	8360329588	P.G.T Chemistry	Teacher	<i>[Signature]</i>
9	Gurmit Kaur	97811-31468	T.G.T Social Sci	Teacher	<i>[Signature]</i>
10	Bhessaj Bala	9872921354	T.G.T Maths	Teacher	<i>[Signature]</i>
11	Shaina	8725965968	T.G.T Maths	Teacher	<i>[Signature]</i>
12	Shaily Sood	9814064021	P.G.T Pol.Sci	Teacher	<i>[Signature]</i>
13	Bansal Bala	9592270228	P.G.T Maths	Teacher	<i>[Signature]</i>
14	Radhani Verma	9882370062	T.G.T Science	Teacher	<i>[Signature]</i>
15	Shivani Gupta	9814641006	T.G.T Maths	Teacher	<i>[Signature]</i>
16	Indu	8196071287	T.G.T S.S.T	Teacher	<i>[Signature]</i>
17	Kamrull Puri	9501968274	P.G.T English	Teacher	<i>[Signature]</i>
18	GURPREET KUMAR	9812489000	CHIEF MAN		<i>[Signature]</i>

12-Feb-2024 3:22:42 pm
 28°27'34.766"N 77°3'7.547"E
 112° E
 Sector 30
 Gurugram
 Gurgaon Division
 Haryana

25. Rahon road, Basti chowk, Ludhiana (Date: - 8.2.2024).



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Rahon Road

Location: *Rahon Road, Basti chowk, Ludhiana* Date: *8/02/2024*

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1	<i>Hardeep Singh</i>	<i>9101701112</i>	<i>Shop Owner</i>	<i>Shop</i>	<i>[Signature]</i>
2	<i>[Name]</i>	<i>951622202</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
3	<i>Baljit Singh</i>	<i>9815210245</i>	<i>[Designation]</i>	<i>Cake</i>	<i>[Signature]</i>
4	<i>[Name]</i>	<i>[Number]</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
5	<i>[Name]</i>	<i>4042592501</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
6	<i>[Name]</i>	<i>977903202</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
7	<i>Shambedh</i>	<i>9465551076</i>	<i>[Designation]</i>	<i>Biryani shop</i>	<i>[Signature]</i>
8	<i>[Name]</i>	<i>9915450202</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
9	<i>[Name]</i>	<i>9264720853</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>
10	<i>[Name]</i>	<i>8284843526</i>	<i>[Designation]</i>	<i>[Occupation]</i>	<i>[Signature]</i>

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 28°27'34.741"N 77°3'7.458"E
 105° E
 Sector 30
 Gurugram
 Gurgaon Division
 Haryana

26. Government Primary School, Bilga, Ludhiana (Date: - 8.2.2024).



Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Govt. Pr. School Bilga, Ludhiana Date: 9/2/24

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Nachhathos Kaur	Head Teacher 8647386285	F	47	BC	Nachhathos Kaur
2						
3	Devinder Kaur	Asst. Teacher 863200524	F	48	Gen.	Devinder Kaur
4	Compreet Kaur	Asst. Teacher 866872219	F	58	B.C.	Compreet Kaur
5	Ms. Gurneet Kaur	Asst. Teacher 987854530	F	49	Gen.	
6	Ms. Indu Kaur	Asst. Teacher 9417706115	F	47	Gen.	Indu Kaur
7	Ms. Lovepreet Kaur	Asst. Teacher 9077973829	F	43	SC	Lovepreet
8	Ms. Kuldeep Kaur	Cook	F	55	SC	Suarnpreet Kaur
9	Ms. Harpreet Kaur	Cook	F	39	SC	Harpreet Kaur
10	Ms. Dalvinder Kaur	Cook	F	38	SC	Dalvinder Kaur
11	Kuldeep Singh Kaur	Seban Sevan	M	41	SC	Kuldeep Singh
12	Ms. Sushma Subhans	Fami Agency	F	44	BC	Sushma Parri
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Format for Public Consultation and Focused Group Discussions

Page
Sector 30
Gurugram
Gurgaon Division
Haryana

27. Bilga village, Ludhiana (Date: - 8.2.2024).



Punjab Municipal Infrastructure Development Company (PMIDC)
Bilga Village
 Name of Place/Venue: _____ Date: 07/2/24

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Mr. Praveen Desai 9852393264	Major	M	40	SC	[Signature]
2	Mr. Rajal	Housewife	F	35	SC	[Signature]
3	Ms. Manpreet	Student	F	18	SC	[Signature]
4	Kuldeep Singh	Farmer	M	50	Gen	[Signature]
5	Shajan Singh	Farmer	M	80	Gen	
6	Beularam Kaur	Housewife	F	77	Gen	
7	Veekhyeet Kaur	Student	F	15	Gen	
8	Jasdeep Singh	Student	M	20	Gen	
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28. Sant Baba Wariam Singh Senior Secondary School, Rajgarh, Ludhiana (Date: - 8.2.2024).

Punjab Municipal Infrastructure Development Company (PMIDC)

Name of Place/Venue: Sant Baba Wariam Singh Sr. Sec. School Rajgarh Date: 8/2/24

LIST OF PARTICIPANTS

S. No.	Name & Contact Number	Occupation	Sex	Age	Social Category	Signature
1	Jasrajjeet Kaur	9417482702 Principals	F	59	Gen	[Signature]
2	Guramjit Singh	Jr Artist	M	52	Gen	[Signature]
3	Rupenderjeet Singh	Sr. Teacher	M	42	SC	[Signature]
4	Nidhi Kapila	Sr. Misha	F	40	Gen	[Signature]
5	Amandeep Singh	SST Teacher	M	34	Gen	[Signature]
6	Arvind Kaur	Teacher Punjab	F	50	Gen	[Signature]
7	Guramjit Kaur	Teacher Punjab	F	52	SC	[Signature]
8	Raj Rukha Jain	Teacher Haryana	F	52	Gen.	[Signature]
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 111° E
 Sector 30
 Gurugram
 Gurgaon Division
 Haryana

30. ESIC Hospital, Bharat Nagar chowk, Ludhiana (Date: - 8.2.2024).



Attendance Sheet: Ludhiana Bulk Water Supply Scheme: PMSIP

Location: ESIC, Hospital Bharat Nagar chowk Ludhiana Date: 9/2/24

S.No.	Name of the Participant	Contact Number	Designation	Occupation	Signature
1)	Ritu Kumari	8219906303	Neg officer	Health Professional	[Signature]
2)	Raminder Singh	9983343121	Pl.	Health Professional	[Signature]
3)	Mohini		Mur of m	Health Professional	[Signature]
4)	Manohar Singh	9781199505	Security	Security	[Signature]
5)	Praminder Singh	9478338196	Security	Security	[Signature]
6)	Jagdeep Singh	8264005310	Security	Security	[Signature]

12-Feb-2024 6:29:55 pm
 28°27'34.801"N 77°3'7.591"E
 115° SE
 Sector 30
 Gurugram
 Gurgaon Division
 Haryana

Annexure 28: Format for Grievance Registration

Format of Registering Grievances

Grievance Form			
Grievance Reference Number:			
Contact Details	Name:		
	Address:		
	Telephone:		
	Email:		
How do you prefer to be contacted?	By Mail/post <input type="checkbox"/>	By Phone <input type="checkbox"/>	By Email <input type="checkbox"/>
Preferred Language	Hindi/Punjabi <input type="checkbox"/>	English <input type="checkbox"/>	
Provide details of your grievance. Please describe the problem, who it happened to, when and where it happened, how many times, etc. Describe in as much details as possible.			
What is your suggested resolution for the grievance, if you have one? Is there something you would like PMIDC, MC, PIU or another party/person to do to solve the problem?			
Have you submitted this form to the project?	Website <input type="checkbox"/>	Email <input type="checkbox"/>	By Hand <input type="checkbox"/>
	In person <input type="checkbox"/>	By Telephone <input type="checkbox"/>	Other (specify)
Who filled out this form (if not the person named above)?	Name and Contact Details:		
Signature			
Name of PIU official assigned responsibility			
Resolved or referred to GRC1?	Resolved <input type="checkbox"/>	Referred <input type="checkbox"/>	If referred, date
Resolved or referred to GRC2?	Resolved <input type="checkbox"/>	Referred <input type="checkbox"/>	If referred, date
Completion			
Final Resolution (briefly describe)			
	Short Description	Accepted? (Y/N)	Acknowledgement Signature
1 st Proposed Solution			
2 nd Proposed Solution			
3 rd Proposed Solution			

Grievance Recording and Management

The format for documenting community grievances is shown below:

S. No.	Name of Complainant and Communication Tool used	Date and Time of Report	Consent and Scope of Grievance	Follow-up and Communication with Complainant	Party conducting Follow-up	Date of Follow-up	Grievance Status (resolved or not)
1.							
2.							
3.							
4.							
5.							
6.							

Annexure 29: Key Plan of the Project Area

Key Plan - Integrated Plan for Ludhiana Bulk Water Supply Scheme

