

DESIGN DETAILS FOR ROAD SIDE LIFT STATIONS- T1 CATCHMENT																
S No	Ls Name	Pumped To	Incoming Sewer			Wet well			Each Delivery main/NR V/SV	Size of Pumping main	Pump Details			Valve Chamber Details		
			Size	GL/FRL	IL	Top of Structure	Diameter	IL			Dia/Size	Discharge	Head	Nos	Length	Width
Urban																
T1 CATCHMENT																
Design Group 1																
1	T1-L5 2E	T1-P52-MH28	200	17.810	13.640	18.810	1.50	11.690	80	150	5	8	2	1000	1000	
2	T1-L5 3C	T1-L53B-MH119	200	22.150	18.220	23.150	1.50	16.120	80	150	6	8	2	1000	1000	
3	T1-L5 7E	T1-L57D-MH121	200	25.630	21.970	26.630	1.50	20.070	80	150	1	8	2	1000	1000	
4	T1-L5 8A	T1-P58-MH171	200	27.340	23.170	28.340	1.50	21.270	80	150	3	8	2	1000	1000	
Design Group 2																
5	T1-L5 1A	T1-P51-MH1251	200	16.560	13.100	17.560	1.60	11.100	80	150	6	7	2	1000	1000	
6	T1-L5 1B	T1-P51-MH1260	200	16.050	12.440	17.050	1.90	10.440	80	150	9	7	2	1000	1000	
7	T1-L5 1D	T1-P51-MH270	200	18.590	14.900	19.590	1.80	12.100	80	150	17	9	2	1000	1000	
8	T1-L5 2A	T1-L52D-MH67	200	15.670	12.520	16.670	1.60	10.620	100	150	5	8	2	1000	1000	
9	T1-L5 2B	T1-L52A-MH31	200	16.400	12.740	17.400	2.00	9.940	80	150	22	10	2	1000	1000	
10	T1-L5 2C	T1-L52D-MH21	200	18.400	14.830	19.400	1.90	12.880	80	150	8	7	2	1000	1000	
11	T1-L5 6A	T1-L56B-MH173	200	20.220	17.030	21.220	1.60	14.630	100	150	11	7	2	1000	1000	
12	T1-L5 6C	T1-P56-MH112	200	23.200	19.730	24.200	1.80	17.780	80	150	7	7	2	1000	1000	
13	T1-L5 7C	T1-P57-MH64	200	24.400	21.640	25.400	2.00	19.540	100	150	11	10	2	1000	1000	
14	T1-L5 7D	T1-P57-MH64	200	23.480	19.430	24.480	2.00	16.730	80	150	20	17	2	1000	1000	
15	T1-L5 MPS1	T1-L5MPSA-MH27	200	15.600	11.740	16.600	1.80	9.140	80	150	15	9	2	1000	1000	
Design Group 3																
16	T1-L5 1C	T1-P51-MH607	300	17.900	14.650	18.900	2.40	11.750	100	200	33	9	2	1000	1000	
17	T1-L5 2D	T1-P52-MH7	400	17.190	13.120	18.190	2.50	9.920	100	250	44	15	2	1000	1000	
18	T1-L5 3A	T1-P53-MH300	300	23.310	19.730	24.310	2.50	16.780	100	200	38	9	2	1000	1000	
19	T1-L5 8B	T1-P58-MH154	200	26.350	21.980	27.350	2.10	19.730	80	150	15	12	2	1000	1000	
20	T1-L5 MPS1	T1-MPS-MH9	300	15.300	11.230	16.300	2.50	8.430	100	200	33	10	2	1000	1000	
21	T1-L5 3B	T1-L53A-MH1	300	22.160	18.310	23.160	2.44	15.610	80	200	31	10	2	1000	1000	
22	T1-L5 6B	T1-P56-MH237	300	20.750	17.090	21.750	2.40	14.190	100	200	35	12	2	1000	1000	
Rural																
T1 CATCHMENT																
Design Group 1																
23	T1-L5 4B	T1-P54-MH623	200	19.500	16.290	20.500	1.50	13.890	80	150	9	7	2	1000	1000	
24	T1-L5 4C	T1-P54-MH319	250	19.930	17.590	20.930	1.50	15.690	80	200	28	13	2	1000	1000	
25	T1-L5 5A	T1-L55C-MH55	200	16.930	12.750	17.270	1.50	10.850	80	150	2	7	2	1000	1000	
26	T1-L5 5B	T1-L55C-MH100	200	16.630	13.400	17.630	1.50	11.850	80	150	2	7	2	1000	1000	
27	T1-L5 5C	T1-L55D-MH63	200	17.090	12.650	18.090	1.50	10.250	80	150	9	9	2	1000	1000	
28	T1-L5 5E	T1-P55-MH149	250	17.800	13.930	18.800	1.50	12.030	80	150	27	10	2	1000	1000	
29	T1-L5 7A	T1-L57C-MH19	200	22.240	18.440	23.240	1.50	16.540	80	150	5	10	2	1000	1000	
30	T1-L5 7B	T1-L57C-MH19	200	23.140	19.020	24.140	1.50	17.120	80	150	4	9	2	1000	1000	
31	T1-L5 9A	T1-L59B-MH17	200	24.750	20.690	25.750	1.50	18.240	80	150	9	9	2	1000	1000	
32	T1-L5 9B	T1-P59-MH64	250	26.820	22.640	27.820	1.50	20.740	80	150	15	10	2	1000	1000	
33	T1-L5 9C	T1-P59-MH80	200	29.000	25.520	30.000	1.50	23.620	80	150	2	7	2	1000	1000	
34	T1-L5 9D	T1-P59-MH76	200	27.780	24.100	28.780	1.50	22.200	80	150	3	8	2	1000	1000	
35	T1-L5 9E	T1-P59-MH63	200	28.700	24.920	29.700	1.50	23.420	80	150	1	7	2	1000	1000	
36	T1-L5 9H	T1-P59-MH25	300	31.870	28.500	32.870	1.50	26.600	100	200	32	8	2	1000	1000	
37	T1-L5 9I	T1-L59H-MH22	300	28.800	25.290	29.800	1.50	23.390	100	200	29	10	2	1000	1000	
Design Group 2																
38	T1-L5 4D	T1-P54-MH319	200	23.930	20.670	24.930	1.60	18.970	80	150	3	4	2	1000	1000	
39	T1-L5 5F	T1-P55-MH75	200	17.690	13.980	18.690	1.60	12.430	100	150	2	8	2	1000	1000	
40	T1-L5 8C	T1-P58-MH106	200	28.800	24.870	29.800	1.80	22.870	80	150	8	8	2	1000	1000	
41	T1-L5 9F	T1-P59-MH59	200	29.100	25.410	30.100	1.70	23.910	80	150	2	7	2	1000	1000	
42	T1-L5 9G	T1-P59-MH33	200	26.750	22.910	27.750	1.60	20.910	80	150	6	10	2	1000	1000	
43	T1-L5 9J	T1-L59I-MH129	200	30.850	27.460	31.850	2.00	25.510	80	150	9	8	2	1000	1000	
Design Group 3																
44	T1-L5 4A	T1-P54-MH679	250	16.260	12.200	17.260	2.40	9.800	80	150	23	20	2	1000	1000	
45	T1-L5 5D	T1-P55-MH87	200	17.470	13.560	18.470	2.10	11.060	80	150	19	10	2	1000	1000	
46	T1-L5 5G	T1-P55-MH57	400	17.800	13.350	18.800	2.47	10.150	100	200	44	12	2	1000	1000	
47	T1-L5 5H	T1-L55G-MH273	200	18.110	14.570	19.110	2.10	12.070	80	150	19	9	2	1000	1000	

DESIGN DETAILS FOR ROAD SIDE LIFT STATIONS- T2 CATCHMENT																
S No	LS Name	Pumped To	Incoming Sewer			Wet well			Each Delivery main/NR V/SV	Size of Pumping main	Pump Details			Valve Chamber Details		
			Size	GL/FRL	IL	Top of Structure	Diameter	IL		Dia/Size		Discharge	Head	Nos	Length	Width
			mm	m	m	m	m	m	mm	mm		cum/hr	m		mm	mm
			D1	LVL-1	LVL-2	LVL-1	D	LVL-3	D2	D3		Q	H	Nos	VC-L	VC-W
	Urban															
	DESIGN GROUP 1															
1	T2-LS 4B	T2-LS4A-MH19	200	15.55	11	16.55	1.5	8.6	80	150	9	11	2	1500	1000	
2	T2-LS 5A	T2-P55-MH48	200	21.35	18.22	22.35	1.5	16.3	80	150	2	8	2	1500	1000	
3	T2-LS 5C	T2-P55-MH247	200	19.9	16.33	20.9	1.5	14.82	80	150	6	10	2	1500	1000	
4	T2-LS 5D	T2-P55-MH245	200	19.25	14.95	20.25	1.5	12.7	80	150	8	12	2	1500	1000	
5	T2-LS 5E	T2-LS5F-MH48	200	23.26	19.41	24.26	1.5	17.51	80	150	1	8	2	1500	1000	
6	T2-LS 5G	T2-LS5F-MH91	200	19.65	15.81	20.65	1.5	13.56	80	150	8	10	2	1500	1000	
	DESIGN GROUP 2															
7	T2-LS 5B	T2-P55-MH1	200	19.8	15.61	20.8	2	13.46	80	150	12	13	2	1500	1000	
8	T2-LS 5F	T2-P55-MH187	250	20.87	17.44	21.87	2	14.84	80	200	19	17	2	1500	1000	
	DESIGN GROUP 3															
9	T2-LS 5I	T2-LS5H-MH1	200	26.15	22.36	27.15	2.2	20.11	80	150	16	9	2	1500	1000	
10	T2-LS 4A	T2-P54-MH91	300	17.06	13.73	18.06	2.5	10.98	100	200	33	9	2	1500	1000	
11	T2-LS 4C	T2-P54-MH265	300	16.51	12.32	17.51	2.5	9.67	100	200	30	13	2	1500	1000	
12	T2-LS 4D	T2-P54-MH221	300	25.71	22.21	26.71	2.5	19.56	100	200	30	8	2	1500	1000	
	DESIGN GROUP 4															
13	T2-LS 5H	T2-P55-MH286	300	26.17	23.14	27.17	2.4	20.24	80	300	32	16	2	1500	1000	
	Rural															
	DESIGN GROUP 1															
14	T2-LS 2C	T2-P52-MH64	200	14.66	10.66	15.66	1.5	8.56	80	150	6	9	2	1500	1000	
15	T2-LS 2F	T2-LS2E-MH316	200	13.26	8.96	14.26	0.7	6.71	80	150	2	8	2	1500	1000	
16	T2-LS 3B	T2-P53-MH76	200	15.4	11.64	16.4	1.5	9.74	80	150	4	7	2	1500	1000	
	DESIGN GROUP 2															
17	T2-LS 1B	T2-LS1A-MH87	200	11.92	7.81	12.92	2	5.76	80	150	10	9	2	1500	1000	
18	T2-LS 2B	T2-P52-MH196	200	12.67	8.64	13.67	2	6.49	80	150	11	8	2	1500	1000	
19	T2-LS 2D	T2-P52-MH135	200	12.62	7.79	13.62	2	5.29	80	150	17	10	2	1500	1000	
	DESIGN GROUP 3															
20	T2-LS 1A	T2-P51-MH155	200	11.23	7.26	12.23	2.50	4.16	100	300	42	11	2	1500	1000	
21	T2-LS 2A	T2-P52-MH196	300	11.5	8.26	12.5	2.50	5.21	100	400	12	2	1500	1000		
22	T2-LS 2E	T2-P52-MH135	400	12.02	7.57	13.02	2.50	4.52	100	200	41	19	2	1500	1000	
23	T2-LS 3A	T2-P53-MH338	300	14.57	9.56	15.57	2.50	6.91	80	200	31	13	2	1500	1000	

DESIGN DETAILS FOR ROAD SIDE LIFT STATIONS- T3 CATCHMENT																
S No	LS Name	Pumped To	Incoming Sewer			Wet well			Each Delivery main/NR V/SV	Size of Pumping main	Pump Details			Valve Chamber Details		
			Size	GL/FRL	IL	Top of Structure	Diameter	IL			Dia/Size	Discharge	Head	Nos	Length	Width
D1	LVL-1	LVL-2	LVL-1	D	LVL-3	D2	D3	Q	H	Nos	VC-L	VC-W				
mm	m	m	m	m	m	mm	mm	cum/hr	m		mm	mm				
Design Group 1																
1	T3-LS 1B	T3-P51-MH21	200	4.59	2.21	5.59	1.50	0.36	80	150	4	7	2	1500	1000	
2	T3-LS 3A	T3-LS3F-MH140	200	7.43	3.49	8.43	1.50	1.43	80	150	7	8	2	1500	1000	
3	T3-LS 4F	T3-P54-MH1132	200	10.20	6.78	11.20	1.47	4.94	80	150	5	7	2	1500	1000	
4	T3-LS 5A	T3-P55-MH923	200	15.05	11.19	16.05	1.50	9.54	80	150	3	8	2	1500	1000	
5	T3-LS 9B	T3-P59-MH24	200	14.30	12.73	15.30	1.50	10.83	80	150	5	12	2	1500	1000	
6	T3-LS 10A	T3-P510-MH90	200	35.34	31.35	36.34	1.50	29.45	80	150	2	10	2	1500	1000	
Design Group 2																
7	T3-LS 1D	T3-P51-MH21	300	3.60	-0.44	4.60	2.00	-3.84	100	200	30	15	2	1500	1000	
8	T3-LS 1E	T3-P51-MH42	250	3.29	-0.50	4.29	1.70	-3.90	100	200	24	18	2	1500	1000	
9	T3-LS 1F	T3-P51-MH35	250	2.86	-0.97	3.86	1.90	-4.37	100	200	27	18	2	1500	1000	
10	T3-LS 2B	T3-P52-MH235	200	6.30	2.87	7.30	1.70	0.47	80	150	12	8	2	1500	1000	
11	T3-LS 3B	T3-P53-MH348	200	6.29	2.30	7.29	1.90	-0.10	80	150	14	8	2	1500	1000	
12	T3-LS 3C	T3-P53-MH366	200	6.26	2.38	7.26	1.60	0.08	80	150	10	8	2	1500	1000	
13	T3-LS 3E	T3-LS3D-MH13	200	4.77	0.80	5.77	1.80	-1.60	80	150	13	8	2	1500	1000	
14	T3-LS 4B	T3-P54-MH771	200	10.05	6.03	11.05	1.60	3.63	80	150	11	9	2	1500	1000	
15	T3-LS 4C	T3-P54-MH368	200	14.01	11.94	15.01	1.57	10.04	80	150	5	9	2	1500	1000	
16	T3-LS 4E	T3-P54-MH575	200	8.01	6.19	9.01	1.57	4.29	80	150	5	5	2	1500	1000	
17	T3-LS 5B	T3-P55-MH1110	200	10.50	7.79	11.50	1.90	3.59	80	150	15	7	2	1500	1000	
18	T3-LS 5C	T3-P55-MH1356	200	9.22	6.23	10.22	1.80	3.63	80	150	16	8	2	1500	1000	
19	T3-LS 5D	T3-P55-MH299	200	9.71	5.55	10.71	1.70	3.15	80	150	11	10	2	1500	1000	
20	T3-LS 5E	T3-P55-MH291	200	10.76	7.38	11.76	1.78	4.98	80	150	13	8	2	1500	1000	
21	T3-LS 5F	T3-P55-MH404	250	14.43	10.43	15.43	1.90	7.53	80	150	23	16	2	1500	1000	
22	T3-LS 6A	T3-P56-MH953	200	9.85	5.60	10.85	1.70	3.20	80	150	12	9	2	1500	1000	
23	T3-LS 8D	T3-P58-MH1108	200	7.95	4.03	8.95	2.00	1.68	80	150	15	9	2	1500	1000	
24	T3-LS 8G	T3-LS8F-MH33	200	8.80	4.67	9.80	2.00	2.27	80	150	16	11	2	1500	1000	
25	T3-LS 9C	T3-P59-MH22	200	18.15	14.48	19.15	2.00	12.38	80	150	11	12	2	1500	1000	
26	T3-LS 9F	T3-LS22D-MH19	200	11.00	6.58	12.00	1.70	3.93	80	150	15	10	2	1500	1000	
27	T3-LS 10B	T3-P510-MH1	200	23.40	22.18	24.40	1.80	19.78	80	150	13	20	2	1500	1000	
Design Group 3																
28	T3-LS 1A	T3-P51-MH35	400	3.42	-0.39	4.42	2.45	-3.59	100	250	44	14	2	1500	1000	
29	T3-LS 1C	T3-P51-MH21	300	3.72	0.16	4.72	2.50	-2.74	100	200	37	23	2	1500	1000	
30	T3-LS 1G	T3-P51-MH35	300	2.65	-1.55	3.65	2.43	-4.55	100	200	39	27	2	1500	1000	
31	T3-LS 2A	T3-LS2B-MH275	200	7.51	3.34	8.51	2.10	0.74	80	150	22	10	2	1500	1000	
32	T3-LS 2C	T3-P52-MH406	200	5.95	2.62	6.95	2.30	0.22	80	150	21	9	2	1500	1000	
33	T3-LS 3D	T3-P53-MH389	200	5.22	2.05	6.22	2.40	-0.85	100	200	35	10	2	1500	1000	
34	T3-LS 3F	T3-P53-MH313	200	4.55	3.35	5.55	2.30	0.45	100	200	33	11	2	1500	1000	
35	T3-LS 4A	T3-P54-MH727	200	10.65	6.90	11.65	2.20	4.40	80	150	21	12	2	1500	1000	
36	T3-LS 4D	T3-P54-MH681	200	12.92	8.75	13.92	2.45	6.05	100	200	32	15	2	1500	1000	
37	T3-LS 6B	T3-P56-MH72	200	12.12	7.88	13.12	2.50	4.88	100	200	40	17	2	1500	1000	
38	T3-LS 6C	T3-P56-MH72	200	11.56	7.95	12.56	2.50	5.25	100	200	32	21	2	1500	1000	
39	T3-LS 8A	T3-P58-MH1658	300	3.30	-0.83	4.30	2.50	-3.43	100	200	29	9	2	1500	1000	
40	T3-LS 8B	T3-P58-MH1403	300	5.42	0.99	6.42	2.50	-1.81	100	200	35	11	2	1500	1000	
41	T3-LS 8C	T3-P58-MH1117	250	7.10	3.91	8.10	2.50	1.56	80	150	24	12	2	1500	1000	
42	T3-LS 8E	T3-P58-MH789	250	7.19	4.08	8.19	2.46	1.58	100	200	28	8	2	1500	1000	
43	T3-LS 8F	T3-P58-MH254	250	10.30	6.47	11.30	2.50	3.97	100	200	27	11	2	1500	1000	
44	T3-LS 9A	T3-P59-MH28	300	16.60	12.89	17.60	2.50	10.04	100	200	37	14	2	1500	1000	
45	T3-LS 9D	T3-P52-MH448	250	12.68	8.41	13.68	2.50	5.41	100	200	40	14	2	1500	1000	
46	T3-LS 9G	T3-P59-MH48	300	10.50	6.27	11.50	2.43	3.67	100	200	29	17	2	1500	1000	
47	T3-LS 9E	T3-P52-MH449	300	10.90	6.69	11.90	2.44	3.69	100	200	39	19	2	1500	1000	

DESIGN DETAILS FOR ROAD SIDE LIFT STATIONS- T4 CATCHMENT																	
S No	LS Name	Pumped To	Incoming Sewer				Wet well			Each Delivery main/NR V/SV	Size of Pumping main	Pump Details			Valve Chamber Details		
			Size	GL/FRL	IL	Top of Structure	Diameter	IL		Dia/Size		Discharge	Head	Nos	Length	Width	
			mm	m	m	m	m	m		mm	mm	cum/hr	m	Nos	mm	mm	
			D1	LVL-1	LVL-2	LVL-1	D	LVL-3		D2	D3	Q	H	Nos	VC-L	VC-W	
	Urban																
	DESIGN GROUP 1																
1	T4-LS1D	T3-LS6I-MH606	200	17.28	13.79	17.28	1.5	11.89		80	150	6	7		2	1500	1000
2	T4-LS4A	T4-PS4-MH121	400	15.78	12.76	15.78	1.5	10.86		80	200	45	11		2	1000	1000
3	T4-LS4B	T4-PS4-MH152	200	16.21	12.48	16.21	1.5	10.58		80	150	2	8		2	1500	1000
4	T4-LS5A	T4-PS5-MH595	200	15.77	11.84	15.77	1.5	9.74		80	150	16	9		2	1500	1000
5	T4-LS6A	T4-PS6-MH1484	200	15.15	11.61	15.15	1.5	9.51		80	150	4	7		2	1500	1000
6	T4-LS6E	T4-PS6-MH237	200	21.45	17.8	21.45	1.5	15.9		80	150	2	7		2	1500	1000
7	T4-LS6F	T4-PS6-MH199	200	22.56	19.08	22.56	1.5	17.18		80	150	3	7		2	1500	1000
8	T4-LS6G	T4-PS6-MH1442	400	14.04	6.68	10.4	1.5	4.78		80	250	48	20		2	1500	1000
9	T4-LS7C	T4-PS7-MH1106	200	22.22	18.62	22.22	1.1	15.92		100	150	6	8		2	1500	1000
10	T4-LS9A	T4-PS9-MH1156	200	20.3	16.82	20.3	1.5	14.12		100	150	6	8		2	1500	1000
	DESIGN GROUP 2																
11	T4-LS6C	T4-PS6-MH703	200	16.71	13.25	16.71	1.8	11.35		80	150	7	7		2	1500	1000
12	T4-LS6D	T4-PS6-MH668	200	17.98	14.06	17.98	2.0	11.86		80	150	12	8		2	1500	1000
	DESIGN GROUP 3																
13	T4-LS1F	T4-PS1-MH200	200	16.7	12.82	16.7	2.40	10.42		80	150	22	9		2	1500	1000
14	T4-LS1G	T4-LS1F-MH37	200	16.99	12.79	16.99	2.20	10.74		80	150	12	8		2	1500	1000
15	T4-LS6B	T4-PS6-MH1282	300	13.84	9	13.84	2.40	6.1		80	200	32	12		2	1500	1000
16	T4-LS7A	T4-LS7B-MH50	250	21.65	17.95	21.65	2.10	15.15		80	150	23	10		2	1500	1000
17	T4-LSMP5	T4-MP5-MH161	200	16.7	12.65	16.7	2.30	10.4		80	150	17	10		2	1500	1000
18	T4-LS8A	T4-PS8-MH1368	300	13.27	9.16	13.27	2.40	6.46		100	150	29	10		2	1500	1000
	DESIGN GROUP 4																
19	T4-LS1H	T4-PS1-MH219	400	12.9	9.29	12.9	2.5	5.89		80	350	46	21		2	1500	1000
20	T4-LS7B	T4-PS7-MH144	300	22.14	18.54	22.14	2.5	15.84		80	150	32	11		2	1500	1000
	Rural																
	DESIGN GROUP 1																
21	T4-LS1A	T4-LS1B-MH11	200	18.45	14.71	18.45	1.5	12.41		80	150	7	8		2	1500	1000
22	T4-LS2D	T4-PS2-MH493	200	19	16.42	19	1.5	14.52		80	150	3	8		2	1500	1000
23	T4-LS2E	T4-PS2-MH470	200	21.77	17.3	21.77	1.5	15.4		80	150	1	8		2	1500	1000
24	T4-LS2F	T4-PS2-MH435	200	22.06	18.12	22.06	1.5	16.22		80	150	1	8		2	1500	1000
25	T4-LS2G	T4-PS2-MH408	200	22.9	18.99	22.9	1.5	17.09		80	150	3	8		2	1500	1000
26	T4-LS2H	T4-PS2-MH405	200	23	18.87	23	1.5	16.97		80	150	4	8		2	1500	1000
27	T4-LS2I	T4-PS2-MH50	200	22.01	17.76	22.01	1.5	15.86		80	150	3	8		2	1500	1000
28	T4-LS2L	T4-LS2J-MH138	200	25.32	22.3	25.32	1.5	20.4		80	150	2	7		2	1500	1000
29	T4-LS2M	T4-LS2K-MH133	200	25.27	21.48	25.27	1.5	19.08		80	150	9	9		2	1500	1000
30	T4-LS2N	T4-PS2-MH71	200	29.17	25.12	29.17	1.5	23.22		80	150	1	8		2	1500	1000
31	T4-LS2O	T4-PS2-MH22	200	27.13	22.83	27.13	1.5	20.93		80	150	1	13		2	1500	1000
32	T4-LS2Q	T4-PS2-MH19	200	21.7	17.45	21.7	1.0	15.2		80	150	4	8		2	1500	1000
33	T4-LS3C	T4-PS3-MH50	200	31.3	27.81	31.3	1.5	25.91		80	150	3	8		2	1500	1000
34	T4-LS3D	T4-PS3-MH43	200	32.53	28.38	32.53	1.5	26.48		80	150	2	8		2	1500	1000
35	T4-LS3G	T4-LS3F-MH13	200	31.24	27.22	31.24	1.5	25.32		80	150	4	8		2	1500	1000
36	T4-LS3H	T4-LS3F-MH1	200	32.81	29.24	32.81	1.5	27.34		80	150	3	8		2	1500	1000
37	T4-LS3I	T4-PS3-MH172	200	30.57	26.11	30.57	1.5	24.21		80	150	1	8		2	1500	1000
38	T4-LS3M	T4-LS3J-MH70	200	23.93	20.14	23.93	1.5	18.24		80	150	3	7		2	1500	1000
	DESIGN GROUP 2																
39	T4-LS1E	T4-LS1C-MH433	200	15.4	11.34	15.4	1.7	9.29		80	150	7	9		2	1500	1000
40	T4-LS2B	T4-PS2-MH539	200	19.69	15.45	19.69	1.7	13.55		80	150	6	8		2	1500	1000
41	T4-LS2P	T4-PS2-MH589	200	15.85	10.64	15.85	1.7	8.39		80	150	9	10		2	1500	1000
42	T4-LS3A	T4-PS3-MH375	200	25.55	22.26	25.55	2.0	19.66		80	150	19	9		2	1500	1000
43	T4-LS3F	T4-LS3E-MH28	200	30.8	27.2	30.8	1.7	24.65		80	150	13	9		2	1500	1000
44	T4-LS3O	T4-PS3-MH23	200	33.83	32.25	33.83	2.0	29.65		80	150	19	34		2	1500	1000
45	T4-LS2K	T4-PS2-MH1	200	23.5	17.73	23.5	1.8	14.73		100	150	19	11		2	1500	1000
46	T4-LS3N	T4-LS3P-MH1	200	33.16	31.96	33.16	1.6	28.81		100	250	17	9		2	1500	1000
	DESIGN GROUP 3																
47	T4-LS1B	T4-PS1-MH98	200	18	14.05	18	2.20	11.75		80	150	17	8		2	1500	1000
48	T4-LS1C	T4-PS1-MH173	300	15.6	11.51	15.6	2.50	8.61		100	150	37	30		2	1500	1000
49	T4-LS2A	T4-PS2-MH554	200	15.9	14.7	15.9	2.2	12.25		80	150	20	11		2	1500	1000
50	T4-LS2C	T4-PS2-MH486	200	19.9	16.57	19.9	2.2	13.97		80	150	23	14		2	1500	1000
51	T4-LS3B	T4-PS3-MH357	300	23.9	19.02	23.9	2.5	16.42		100	200	29	14		2	1500	1000
52	T4-LS3J	T4-PS3-MH169	300	23.28	19.33	23.28	2.5	16.13		100	250	43	22		2	1500	1000
53	T4-LS3L	T4-PS3-MH171	300	19.42	17.55	19.42	2.5	14.7		100	200	34	28		2	1500	1000
54	T4-LS3P	T4-PS3-MH23	300	33.63	30.03	33.63	2.5	27.03		100	200	37	34		2	1500	1000
55	T4-LS2J	T4-PS2-MH200	400	22.5	18.43	22.5	2.5	15.03		80	150	46	16		2	1500	1000
56	T4-LS3E	T4-PS3-MH153	200	32.64	28.17	32.64	2.5	26.07		80	150	17	9		2	1500	1000
57	T4-LS3K	T4-PS3-MH169	300	22.5	18.24	22.25	2.5	15.14		80	250	41	23		2	1500	1000

DESIGN DETAILS FOR ROAD SIDE LIFT STATIONS- TS CATCHMENT																									
S No	LS Name	Pumped To	Incoming Sewer			Wet well			Each Delivery main/NR V/Sz	Size of Pumping main	Pump Details			Valve Chamber Details											
			Size	GL/FRL	IL	Top of Structure	Diameter	IL			Discharge	Head	Nos	Length	Width										
																mm	m	m	m	m	mm	cum/hr	m	mm	mm
			D1	LVL-1	LVL-2	LVL-1	D	LVL-3	D2	D3	Q	H	Nos	VC-L	VC-W										
	DESIGN GROUP 1																								
1	TS-L5 1B	TS-L51A-MH86	200	8.34	4.67	9.34	1.5	1.77	100	150	10	9	2	1500	1000										
2	TS-L5 1C	TS-L51B-MH19	200	9.05	5.22	10.05	1.5	2.32	100	150	1	9	2	1500	1000										
3	TS-L5 1D	TS-L51C-MH11	200	11.21	8.26	12.21	1.5	5.36	100	150	5	9	2	1500	1000										
4	TS-L5 1E	TS-L51C-MH10	200	12.71	8.86	13.71	1.5	5.96	100	150	8	8	2	1500	1000										
5	TS-L5 3C	TS-L53B-MH1	200	9.03	5.52	10.03	1.5	2.62	100	150	9	8	2	1500	1000										
6	TS-L5 3D	TS-P53-MH23	200	9.71	6.20	10.71	1.5	3.3	100	150	9	10	2	1500	1000										
7	TS-L5 3F	TS-L53E-MH84	200	9.73	5.82	10.73	1.2	2.92	100	150	12	12	2	1500	1000										
8	TS-L5 3I	TS-L53H-MH23	200	11.89	8.32	12.89	1.5	5.42	100	150	14	9	2	1500	1000										
9	TS-L5 3K	TS-L53J-MH156	200	13.31	9.70	14.31	1.5	6.8	100	150	3	9	2	1500	1000										
10	TS-L5 3L	TS-L53J-MH43	200	15.48	12.12	16.48	1.5	9.22	100	150	5	8	2	1500	1000										
11	TS-L5 3M	TS-L53K-MH1	200	14.33	10.72	15.33	1.5	7.82	100	150															
	DESIGN GROUP 2																								
12	TS-L5 3J	TS-L53H-MH1	200	14.41	10.23	15.41	1.9	7.33	100	150	15	11	2	1500	1000										
13	TS-L5 3E	TS-P53-MH1	200	10.63	6.42	11.63	1.6	3.52	100	150	21	17	2	1500	1000										
14	TS-L5 3A	TS-P53-MH1	200	8.22	4.52	9.22	1.9	1.62	100	150	18	10	2	1500	1000										
15	TS-L5 3B	TS-L53A-MH44	200	7.62	4.76	8.62	1.7	1.86	100	150															
	DESIGN GROUP 3																								
16	TS-L5 1A	TS-P51-MH15	250	5.40	2.54	6.4	2.3	-0.36	100	150	33	11	2	1500	1000										
17	TS-L5 2A	TS-P52-MH850	300	4.99	0.61	5.99	2.5	-2.29	100	200	28	12	2	1500	1000										
18	TS-L5 2B	TS-P52-MH31	300	7.80	4.06	8.8	2.2	1.16	100	200	46	13	2	1500	1000										
19	TS-L5 3G	TS-P53-MH1	300	9.71	7.67	10.71	2.4	4.27	100	250	38	8	2	1500	1000										
20	TS-L5 3H	TS-L53G-MH1	300	13.12	10.35	14.12	2.5	7.45	100	200															

FOR TENDER



**MAHARASHTRA INDUSTRIAL
TOWNSHIP LTD (MITL)**

PROJECT

DESIGN, CONSTRUCTION, TESTING, COMMISSIONING
AND OPERATION & MAINTENANCE OF INFRASTRUCTURE
WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE
1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC)
ON EPC BASIS

TITLE
SEWERAGE NETWORKS
TYPICAL INTERMEDIATE PUMPING STATION

PROJECT CODE: DI1628	STATUS: ISSUED FOR TENDER	DATE: 18.12.202
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SHEET NO: 01	SCALE: NTS	DWG SIZE: A1	REV NO: A0
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MITL-DPIA-PKG1-SEW-06