

Tower Schedule for 220 kV D/C Transmission Line from Nerul to Trombay S/S

Tower Schedule

<u>S.NO</u>	<u>Location No</u>	<u>Tower Type</u>	<u>TYPE</u>	<u>ANGLE</u>	<u>SPAN(M)</u>	<u>SEC LENGTH</u>	<u>CU. SPAN(M)</u>	<u>EASTING</u>	<u>NORTHING</u>	<u>CROSSING</u>
-	Gantry-Nerul	Gantry	Gantry			0	0	292139	2105039	
					74					Substation Boundary Wall, CC Road
1	8	SD	Dead End Tower Tension Tower	90* 54' 32" RT		74	74	292065	2105045	
					75					
2	7	DD	Tension Tower	0* 17' 12" LT		75	149	292072	2105120	
					77					
3	6	DC	Tension Tower	40* 7' 29" RT		77	226	292079	2105197	
					71					Banana Garden, Nala
4	5	DD	Tension Tower	46* 30' 58" RT		71	297	292129	2105247	
					170					Pond, Scrub
5	4	DD	Tension Tower	55* 41' 21" LT		170	467	292299	2105242	
					344					Park, Boundary Wall, Tar Road
6	3	DD+12	Tension Tower	29* 58' 22" RT		344	811	292500	2105520	
					345					Pune Mumbai Highway, 33kv TATA Power Line, 22kv Line, 220kv Line
7	2	DD+3	Tension Tower	42* 38' 26" RT		345	1156	292814	2105661	
					67					Cart Track
8	679	Special Tower- MD	LILLO (Multi Circuit) Tension Tower	206* 12' 24" RT		67	1223	292878	2105640	
					492					33kv Line, Shed, Flyover Bridge, Pune Mumbai Highway, Park Boundary Wall, Nala
9	680	DD	Tension Tower	2* 21' 25" LT		492	1715	292528	2105986	
					255					Park
10	681	DA	Suspension Tower				1970	292340	2106158	
					305					Park, Tar Road, Ground
11	682	DA	Suspension Tower				2275	292114	2106363	
					306					Washrooms, Play Ground, Boundary Wall, Near Paradise

12	683	DA	Suspension Tower				2581	291888	2106569	
					330					Washrooms, Tar Road, Church Corner, Park, Buildings 3.5m
13	684-1	DA+3	Suspension Tower				2911	291644	2106791	
					106					Service Road, Flyover bridge 6m Height, Tar Road
14	684-2	DB+6	Tension Tower	0* 0' 0" RT		1302	3017	291566	2106863	
					185					Tar Road, Vasi - Panvel Railway Line
15	685-1	DB	Tension Tower	0* 0' 49" RT		185	3202	291429	2106987	
					65					
16	685-2	DA	Suspension Tower				3267	291382	2107031	One suspension insulator missing, Insulator tilt.
					178					Road, Park
17	686-1	DA	Suspension Tower				3445	291250	2107150	
					122					Tar Road
18	686-2	DA	Suspension Tower				3567	291160	2107232	
					290					Shed, Road, Play Ground
19	687	DB+3	Tension Tower	0* 8' 54" RT		655	3857	290946	2107428	
					349					
20	688	Special M/C	LILO	0* 17' 14" LT		349	4206	290688	2107663	
					397					Substation Boundary Wall, Tar Road, Gate
21	689	DB+6	Tension Tower	0* 9' 32" RT		397	4603	290394	2107930	
					314					Boundary Wall
22	690	DA	Suspension Tower				4917	290162	2108142	
					315					Tar Road
23	691	DD	Tension Tower	0* 1' 26" LT		629	5232	289929	2108354	
					337					Highway
24	692	DA	Special Suspension Tower				5569	289680	2108581	Tower corroded & Members missing
					398					Marshy Land / Khadi
25	693	DA	Special Suspension Tower				5967	289385	2108848	
					395					Marshy Land/Khadi, Vashi railway station, Local Harbour Vasi - Panvel Railway Lines, Tar Road

26	694	DD	Tension Tower	3* 17' 36" LT		1130	6362	289094	2109115	
					305					Scrub, Roads, Parks
27	695	DA	Suspension Tower				6667	288858	2109308	
					306					Scrub, Parks, Huts, Road, Nala
28	696	DA	Suspension Tower				6973	288621	2109501	
					305					Scrub, Roads
29	697	DA	Suspension Tower				7278	288384	2109694	
					250					Highway Road, Bus Stop
30	698	DC	Tension Tower	49* 23' 7" LT		1166	7528	288191	2109852	
					280					Shed, Temple, Boundary wall, Tar Road
31	699	DC	Tension Tower	21* 13' 56" LT		280	7808	287915	2109803	
					123					Marshy Land
32	700	SD	Anchor Tension Tower	11* 20' 17" RT		123	7931	287810	2109739	
					260					Marshy Land
33	701	SA	Suspension Tower				8191	287565	2109650	
					543					Khadi
34	702	SA	Suspension Tower				8734	287056	2109464	
					541					Khadi
35	703	SA	Suspension Tower				9275	286548	2109278	
					525					Khadi
36	704	SA	Suspension Tower				9800	286055	2109098	
					476					Khadi
37	705	SA	Suspension Tower				10276	285607	2108935	
					273					Marshy Land
38	706	SD	Anchor Tension Tower	10* 30' 43" RT		2618	10549	285351	2108841	
					124					Marshy Land
39	707	DB	Tension Tower	10* 30' 16" LT		124	10673	285228	2108821	
					346					Marshy Land
40	708	DA	Suspension Tower				11019	284904	2108702	
					328					Marshy Land
41	709	DA	Suspension Tower				11347	284595	2108590	
					360					Marshy Land

42	710	DA+3	Suspension Tower			11707	284257	2108466	
					221				Marshy Land
43	711	DA+3	Suspension Tower			11928	284050	2108391	
					293				Marshy Land
44	712	DB+12	Tension Tower	0* 10' 17" RT		1548	12221	283774	2108290
					275				Marshy Land, 220kv Line
45	713	DB+12	Tension Tower	5* 37' 23" RT		275	12496	283515	2108197
					358				Marshy Land
46	714	DA+3	Suspension Tower				12854	283168	2108109
					314				Slum Area
47	715-1 (OLD)	DA	Suspension Tower				13168	282865	2108030
					61				Slum Area, no ground clearance
48	715-2 (NEW)	DA+3	Suspension Tower				13229	282805	2108016
					231				Highway crossing, Slum Area
49	716	DA	Suspension Tower				13460	282581	2107959
					331				Slum Area, no ground clearance
50	717	DA	Suspension Tower				13791	282260	2107878
					326				Slum Area
51	718	DA	Suspension Tower				14117	281944	2107798
					345				Slum Area
52	719	DD+6	Tension Tower	48* 41' 45" LT		1966	14462	281610	2107713
					247				Slum Area, CST - Panvel Railway Line Crossing double track electrified, 220kv/100kv Multi Curcuit Line over head crossing
53	720	DC	Tension Tower	22* 48' 40" RT		247	14709	281497	2107493
					256				Road
54	721	DA	Suspension Tower				14965	281301	2107328
					265				Road
55	722	DA	Suspension Tower				15230	281099	2107157
					262				Sion - Panvel Road
56	723	DA	Suspension Tower				15492	280898	2106988

					251					Tar Road
57	724	DA	Suspension Tower				15743	280707	2106825	
					288					Tar Road
58	725	DA	Suspension Tower				16031	280487	2106639	
					333					Tar Road
59	726	DC+6	Tension Tower	25* 5' 13" LT		1655	16364	280233	2106424	
					269					Tar Road, 132KV TATA Power Line crossing-2nos
60	727	DB	Tension Tower	2* 22' 28" RT		269	16633	280120	2106180	
					178					Tar Road
61	727	DB+3	Tension Tower	0* 6' 33" LT		178	16811	280039	2106021	
					243					Tar Road
62	728	DB	Tension Tower	8* 54' 42" LT		243	17054	279929	2105805	
					310					Barren Land
63	729	DA	Suspension Tower				17364	279833	2105510	
					301					BARC Boundary
64	730	DD	Tension Tower	37* 19' 6" LT		611	17665	279739	2105225	
					397					
65	731	DC	Tension Tower	19* 54' 18" RT		397	18062	279868	2104849	
					276					
66	732	DB	Tension Tower	0* 4' 17" LT		276	18338	279864	2104573	
					446					Huts, Parking
67	733	DB	Tension Tower	1* 24' 31" LT		446	18784	279858	2104127	Protection mesh under tower constructed by HPCL
					430					HPCL Gate & Tar Road
68	734	DB	Tension Tower	37* 12' 5" RT		430	19214	279863	2103697	
					39					
69	735 -1	DD	Tension Tower	42* 17' 17" LT		39	19253	279840	2103666	
					339					
70	735 -2	DB	Tension Tower	33* 25' 44" RT		339	19592	279874	2103329	
					126					
71	735 -3	DB+3	Tension Tower	3* 9' 27" RT		126	19718	279815	2103217	
					101					
72	735 -4	DD+3	Tension Tower	9* 51' 15" LT		101	19819	279763	2103131	

					86					
73	736	DD	Tension Tower	13* 31' 31" LT		86	19905	279732	2103050	
					353					66kv TATA Power Line crossing
74	737	DA	Suspension Tower				20258	279686	2102700	
					142					
75	738	DC	Tension Tower	27* 14' 58" RT		495	20400	279665	2102559	
					291					
76	739	DE	Tension Tower	22* 34' 44" RT		291	20691	279495	2102324	
					73					Earthwire Missing
-	Trombay Gantry	Gantry	Tension			73	20764	279432	2102286	

Note :-

(1) Total Line Route Length :- 20.8 KM

(2) Total No. of Towers :- 76 Nos.

(3) Tension Towers :- 41 Nos.

(4) Suspension Towers :- 35 Nos.