Tower Schedule of 66kV Talaja-Manar line

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	Date of Commissioning	Type of String/Hardware (S/S,D/S,S/T,D/T)	SRI PER TOWER	Suspension SRI	Tension SRI	S.S. H\W	D.S. H\W	S.T. H\W	D.T. H\W	PA ROD	Damper	Mid Span Joint	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
1	Gantry at 66kV Talaja SS						28.02.1999	S/T	3	0	3	0	0	3	0	0	3			3	6	
		20.4																				
2	T001		20.4	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		17.6																				Royal Chokadi to Talaja city road cross between loc. no. 1 & 2
3	T002		17.6	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		47.5																				
4	T003		47.5	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		67.4																				
5	T004		67.4	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		108																				
6	T005		108	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		96.5																				
7	T006			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		152.2																				
8	T007			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		101																				
9	T008			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		146.7																				
10	T009		496.4	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		113.2																				Old Bhavnagar Talaja college road cross between loc. no. 9 & 10
11	T010			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		191.6																				Shetruji rivercrossing
12	T011		304.8	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		200.5																				
13	T012		200.5	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		192.3																				
14	T013			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		195.7																				
15	T014			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		172.5																				
16	T015			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		162.5																				
17	T016			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		179.9																				
18	T017			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		138.4																				
19	T018			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		130.2																				
20	T019			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		170.1																				
21	T020			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		141																				
22	T021			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		133.4																				
23	T022		1616	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		161.8																				
24	T023			H-Frame	A	Dog		D/S	6	6	0	0	3	0	0	3	6			0		
		192.8																				Velavadar to Gorkhi road cross between loc. no. 23-24
25	T024			H-Frame	A	Dog		D/S	6	6	0	0	3	0	0	3	6			0		
		207.5																				
26	T025			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		205.7																				
27	T026			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		204																				
28	T027			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		189.3																				
29	T028			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		171.7																				
30	T029			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		236.8																				
31	T030			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		183.4																				Agriculture rough road cross between loc. 30-31.
32	T031		1753	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		171.2																				
33	T032			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		186.1																				
34	T033			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		194.7																				
35	T034			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	Date of Commissioning	Type of String/Hardware (S/S,D/S,S/T,D/T)	SRI PER TOWER	Suspension SRI	Tension SRI	S.S. H\W	D.S. H\W	S.T. H\W	D.T. H\W	PA ROD	Damper	Mid Span Joint	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
		174.8																				
36	T035			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		160.4																				
37	T036			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		109.5																				
38	T037		996.7	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		178.5																				Velavadar to Piparala road cross between loc. no. 37-38
39	T038			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		95.9																				
40	T039			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		170.9																				
41	T040			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		123.6																				
42	T041			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		156.4																				
43	T042			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		145																				
44	T043		870.3	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		135.6																				
45	T044			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		127.4																				
46	T045			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		114.3																				
47	T046			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		135																				
48	T047		512.3	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		56.5																				Bapada canal cross between loc. no. 47-48
49	T048		56.5	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		196																				
50	T049			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		68.9																				
51	T050			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		125.7																				
52	T051			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		143.9																				
53	T052		534.5	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		76.1																				
54	T053			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		196.9																				
55	T054			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		209.2																				
56	T055			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		114.1																				
57	T056			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		107.5																				
58	T057		703.8	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		111.3																				
59	T058		111.3	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		155.1																				
60	T059		155.1	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		156.1																				Bapada canal road cross between loc. no. 59-60
61	T060		156.1	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		130.3																				
62	T061		130.3	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		167.8																				
63	T062		167.8	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		185.4																				
64	T063		185.4	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		131.6																				
65	T064		131.6	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		95.1																				
66	T065		95.1	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		139.5																				
67	T066			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		123.7																				
68	T067		263.2	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		238.8																				
69	T068			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		176.1																				
70	T069		414.9	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		94.7																				Bapada canal cross between loc. no. 69-70
71	T070			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		173																				
72	T071			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		220.9																				
73	T072			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		208.1																				
74	T073			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		126.4																				

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	Date of Commissioning	Type of String/Hardware (S/S,D/S,S/T,D/T)	SRI PER TOWER	Suspension SRI	Tension SRI	S.S. H\W	D.S. H\W	S.T. H\W	D.T. H\W	PA ROD	Damper	Mid Span Joint	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
75	T074			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		167																				Trapaj to Sathra road cross between loc. no. 74-75
76	T075			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		196.2																				
77	T076		1186.3	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		209.7																				Sathra canal cross between loc. no. 76-77
78	T077			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		180.1																				
79	T078			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		185.7																				
80	T079			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		174.5																				
81	T080			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		187.5																				
82	T081			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		172.6																				
83	T082			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		183.8																				
84	T083		1293.9	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		193.3																				
85	T084			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		173.3																				
86	T085			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		180.7																				
87	T086			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		163.3																				
88	T087			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		205.6																				
89	T088			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		112																				
90	T089			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		141																				
91	T090			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		126																				
92	T091		1295.2	H-Frame	B	Dog		S/T	9	0	9	0	0	3	3	0	6			0		
		165.8																				Sathara canal cross between loc. no.91-92
93	T092			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		175.7																				
94	T093			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		169.1																				
95	T094			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		137.6																				
96	T095			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		172.4																				
97	T096			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		124.3																				Sathara canal cross between loc. no. 96-97
98	T097			H-Frame	A	Dog		S/S	6	6	0	0	3	0	0	3	6			0		
		179																				
99	T098		1123.9	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		122.1																				
100	T099			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		210.3																				
101	T100		332.4	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		148.8																				
102	T101			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		187.9																				
103	T102			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		212.6																				
104	T103			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		137.5																				
105	T104		686.8	H-Frame	B	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		119.4																				
106	T105			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		132.4																				
107	T106			H-Frame	A	Dog		S/S	3	3	0	3	0	0	0	3	6			0		
		108.8																				
108	T107		360.6	TOWER	DQ	Dog		S/T , D/T	9	0	9	0	0	3	3	0	6			0		
		102.3																				Trapaj to Alang road cross between loc. no. 107-108
109	T108		102.3	TOWER	DQ	Dog		S/T , D/T	9	0	9	0	0	3	3	0	6			0		
		117.7																				
110	T109		117.7	TOWER	DS	Dog		S/T	6	0	6	0	0	6	0	0	6			0		
		20.4																				
111	antry at 66kV Manar SS		20.4			Dog		S/T	3	0	3	0	0	3	0	0	3			3	6	
		16636	**16636**						**513**	**255**	**258**	**189**	**33**	**174**	**42**	**222**	**660**	**9**	**9**	**6**	**12**	

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	Date of Commissioning	Type of String/Hardware (S/S,D/S,S/T,D/T)	SRI PER TOWER	Suspension SRI	Tension SRI	S.S. H\W	D.S. H\W	S.T. H\W	D.T. H\W	PA ROD	Damper	Mid Span Joint	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
									Additional Quantity	12	12	6	3	6	3	9	9	0	0	0	0	
									Final Quantity	**267**	**270**	**195**	**36**	**180**	**45**	**231**	**669**	**9**	**9**	**6**	**12**	

Summary

Line name	66kV Talaja-Manar line
Line length RKM	16.636
Conductor to be used CKM	50.158
Type Structure S/C/D/C /H-frame	H Frame+Tower
No of Single Suspension location	72
No of Double Suspension location	2
No of Single Tension location	33
No of Double Tension location	2
Hotline CKT kM	0.350
Coldline CKT kM	16.286