Tower Schedule of 66kV Mahuva-Vadli line

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	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 Jointsr	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
1	Gantry at 66kV Mahuva SS						S/T	3	0	3	0	0	3	0	0	3			3	6	
		22.6																			
2	T001		22.6	H-Frame	C	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		86																			
3	T002		86	H-Frame	C	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		155.7																			
4	T003		155.7	H-Frame	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		174.4																			Agriculture rough road cross between loc. no 3 & 4.
5	T004			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		185.6																			66KV Line cross between loc. no. 4 & 5
6	T005			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		170.2																			
7	T006		530.2	H-Frame	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		145.6																			
8	T007			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		101.9																			
9	T008			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		190.7																			Canal cross between loc. no. 8 & 9
10	T009			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		185.7																			
11	T010			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		185.7																			Haripara village road cross between loc. no. 10 & 11
12	T011			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		185.7																			
13	T012		995.3	H-Frame	B	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		146.3																			
14	T013			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		123.5																			
15	T014			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		142.6																			
16	T015		412.4	H-Frame	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		202.5																			
17	T016			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		189.7																			
18	T017			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		180.4																			
19	T018			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		198.9																			
20	T019		771.5	H-Frame	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		194.1																			
21	T020			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		194.1																			
22	T021			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		168.3																			
23	T022		556.5	H-Frame	B	Dog	S/T	9	0	9	0	0	3	3	0	6			0		
		182																			Mahuva-Savarkundla road cross between loc. no. 22 & 23
24	T023			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		158.8																			
25	T024			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		229.8																			
26	T025		570.6	H-Frame	C	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		138.3																			River cross between loc. no. 25 & 26
27	T026		138.3	H-Frame	D	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		129.7																			
28	T027			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		164.6																			
29	T028			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		191.3																			
30	T029			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		234.3																			
31	T030			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		172.3																			
32	T031		892.2	H-Frame	B	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		168.3																			Umaniyavadar-Kumbhan road cross between loc. no. 31 & 32
33	T032			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		140																			
34	T033			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		187.4																			

Sr. No.	Location No.	Tower span (in meter)	Section Length (in meter)	Type of structure	Type of H Frame / Tower	Type of Conductor	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 Jointsr	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
35	T034			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		185																			
36	T035			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		165																			
37	T036			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		205																			Umaniyavadar-Konjali road cross between loc. no. 36 & 37
38	T037			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		123.8																			
39	T038			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		175.7																			
40	T039			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		229.6																			
41	T040			H-Frame	A	Dog	S/S	6	6	0	0	3	0	0	3	6			0		
		146.5																			Canal Cross between loc. no. 40 & 41
42	T041			H-Frame	A	Dog	S/S	6	6	0	0	3	0	0	3	6			0		
		162.3																			
43	T042		1888.6	H-Frame	D	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		264																			
44	T043			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		191.6																			
45	T044			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		236.2																			
46	T045			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		178.5																			
47	T046		870.3	H-Frame	B	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		129.8																			
48	T047		129.8	H-Frame	B	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		210.4																			
49	T048			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		195.1																			
50	T049			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		194.6																			Talgajarda-Tared road cross between loc. no. 49 & 50
51	T050			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		221.2																			
52	T051			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		229.7																			
53	T052			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		177.4																			
54	T053			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		206.8																			
55	T054			H-Frame	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		173.9																			
56	T055			H-Frame	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		144.7																			
57	T056		1753.8	H-Frame	C	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		57.7																			Bhadrod-Ratol road cross between loc. no. 56 & 57
58	T057		57.7	Tower	D	Dog	S/T	9	0	9	0	0	3	3	0	6			0		
		235.5																			
59	T058			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		252.3																			
60	T059			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		317.5																			
61	T060			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		264.7																			
62	T061			Tower	A	Dog	S/S	6	6	0	0	3	0	0	3	6			0		
		286.8																			Canal Cross between loc. no. 61 & 62
63	T062			Tower	A	Dog	S/S	6	6	0	0	3	0	0	3	6			0		
		237.5																			
64	T063			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		256																			
65	T064			Tower	A	Dog	S/S	6	6	0	0	3	0	0	3	6			0		
		252.4																			Canal Cross between loc. no. 64 & 65
66	T065		2102.7	Tower	B	Dog	S/T	9	0	9	0	0	3	3	0	6	3		0		
		200																			
67	T066			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		224.2																			
68	T067			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		279.2																			
69	T068			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		213.3																			
70	T069			Tower	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	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 Jointsr	Repair Sleeve	T-Clamp	HTLS palm w/o hole	Remark
		240.6																			
71	T070			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		254																			
72	T071		1411.3	Tower	B	Dog	S/T,D/T	9	0	9	0	0	3	3	0	6			0		
		230.8																			Vadli-Mahuva road cross between loc. no. 71 & 72
73	T072			Tower	A	Dog	D/S	6	6	0	0	3	0	0	3	6			0		
		273.8																			
74	T073			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		192.2																			
75	T074			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		235.4																			
76	T075			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		227.8																			
77	T076		1160	Tower	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		254.1																			
78	T077		254.1	Tower	B	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		205.3																			
79	T078		205.3	Tower	C	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		205.5																			
80	T079			Tower	A	Dog	S/S	3	3	0	3	0	0	0	3	6			0		
		229																			
81	T080		434.5	Tower	B	Dog	S/T	6	0	6	0	0	6	0	0	6			0		
		61.9																			
82	Gantry at Vadli SS		61.9				S/T	3	0	3	0	0	3	0	0	3			3	6	
		15461.3	**15461.3**					**393**	**225**	**168**	**123**	**51**	**108**	**30**	**174**	**486**	**9**	**9**	**6**	**12**	
		15462	**15462**					Additional Quantity	12	12	6	3	6	3	9	9	0	0	0	0	
								Final Quantity	**237**	**180**	**129**	**54**	**114**	**33**	**183**	**495**	**9**	**9**	**6**	**12**	

Summery

Line name	66kV Mahuva-Vadli line
Line length RKM	15.462
Conductor to be used CKM	**46.618**
Type Structure S/C/D/C /H-frame	S/C Tower+H Frame
No of Single Suspension location	46
No of Double Suspension location	12
No of Single Tension location	15
No of Double Tension location	7
Hotline CKT kM	5.688
Coldline CKT kM	9.774

46.61793