POLE SCHEDULE

66KV Mosali Vankal Line

Material Required For HTLS Conductor Stringing

Sr. No.	Loc. No.	H-Frame / Tower	Type of Tower / H-Frame	Ten / Susp / Double Ten / Double Susp	Line Configuration S/C / D/C	Span (Mtr)	Work Coldline / Hotline	Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspension H/W	Double Tension H/W	Double Suspension H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve	T connector wih pad	Jumper terminal w/o hole with suitable	Crossing details	Remark
								Mtr	No	No	Set	Set	Set	Set	Set	No	No	No					
	Gentry 66kV Mosali					38	Coldline	114		3	3					3			3	6		
1	1	Tower	T	Tension	Single Ckt	173	Coldline	519		6	6					6						
2	2	Tower	T	Tension	Single Ckt	304	Coldline	912		6	6					6						
3	3	Tower	TD	Double Suspension	Single Ckt	163	Coldline	489		12			6			6					Railway Crossing	
4	4	Tower	TD	Double Suspension	Single Ckt	213	Coldline	639		12			6			6					Railway Crossing and Mosali Mangrol	
5	5	Tower	TD	Double Suspension	Single Ckt	203	Coldline	609		12			6			6					Mosali Mangrol Road	
6	6	Tower	TD	Double Suspension	Single Ckt	130	Coldline	390		12			6			6					Mangrol Mosali Road	
7	7	H- Frame	T	Tension	Single Ckt	186	Coldline	558		6	6					6					Mangrol Mosali Road	
8	8	H- Frame	T	Tension	Single Ckt	109	Coldline	327		6	6					6						
9	9	H- Frame	TC	Tension	Single Ckt	161	Coldline	483	3	6	6	3			3	6						
10	10	H- Frame	T	Tension	Single Ckt	129	Coldline	387		6	6					6						
11	11	H- Frame	S	Suspension	Single Ckt	173	Coldline	519	3			3			3	6						
12	12	H- Frame	S	Suspension	Single Ckt	145	Coldline	435	3			3			3	6						
13	13	H- Frame	S	Suspension	Single Ckt	162	Coldline	486	3			3			3	6						
14	14	H- Frame	T	Tension	Single Ckt	131	Coldline	393		6	6					6						
15	15	H- Frame	SD	Double Suspension	Single Ckt	125	Coldline	375	6					3	3	6					Mosali Vakilpura Road	
16	16	H- Frame	SD	Double Suspension	Single Ckt	164	Coldline	492	6					3	3	6					Mosali Vakilpura Road	
17	17	H- Frame	S	Suspension	Single Ckt	147	Coldline	441	3			3			3	6						
18	18	H- Frame	S	Suspension	Single Ckt	143	Coldline	429	3			3			3	6						
19	19	H- Frame	S	Suspension	Single Ckt	187	Coldline	561	3			3			3	6						
20	20	H- Frame	S	Suspension	Single Ckt	192	Coldline	576	3			3			3	6						
21	21	H- Frame	T	Tension	Single Ckt	120	Coldline	360		6	6					6						
22	22	H- Frame	S	Suspension	Single Ckt	115	Coldline	345	3			3			3	6						
23	23	H- Frame	T	Tension	Single Ckt	99	Coldline	297		6	6					6					220KV Mangrol Zagadia 1&2 Line Cross	
24	24	H- Frame	S	Suspension	Single Ckt	92	Coldline	276	3			3			3	6					220KV Mangrol Zagadia 1&2 Line Cross	
25	25	H- Frame	S	Suspension	Single Ckt	160	Coldline	480	3			3			3	6						
26	26	H- Frame	T	Tension	Single Ckt	103	Coldline	309		6	6					6						
27	27	H- Frame	S	Suspension	Single Ckt	192	Coldline	576	3			3			3	6						
28	28	H- Frame	S	Suspension	Single Ckt	179	Coldline	537	3			3			3	6						
29	29	H- Frame	S	Suspension	Single Ckt	121	Coldline	363	3			3			3	6						
30	30	H- Frame	S	Suspension	Single Ckt	99	Coldline	297	3			3			3	6						
31	31	H- Frame	S	Suspension	Single Ckt	146	Coldline	438	3			3			3	6						
32	32	H- Frame	T	Tension	Single Ckt	172	Coldline	516		6	6					6						
33	33	H- Frame	S	Suspension	Single Ckt	153	Coldline	459	3			3			3	6						
34	34	H- Frame	S	Suspension	Single Ckt	173	Coldline	519	3			3			3	6						
35	35	H- Frame	SD	Double Suspension	Single Ckt	139	Coldline	417	6					3	3	6						
36	36	H- Frame	S	Suspension	Single Ckt	187	Coldline	561	3			3			3	6					11KV HT Line Cross	
37	37	H- Frame	S	Suspension	Single Ckt	86	Coldline	258	6					3	3	6					Mosali Vakilpura Road	
38	38	H- Frame	TD	Double Tension	Single Ckt	196	Coldline	588		12			6			6					Mosali Vakilpura Road	
39	39	H- Frame	S	Suspension	Single Ckt	143	Coldline	429	3			3			3	6						
40	40	H- Frame	S	Suspension	Single Ckt	145	Coldline	435	3			3			3	6						
41	41	H- Frame	S	Suspension	Single Ckt	173	Coldline	519	3			3			3	6						
42	42	H- Frame	S	Suspension	Single Ckt	152	Coldline	456	3			3			3	6						
43	43	H- Frame	S	Suspension	Single Ckt	111	Coldline	333	3			3			3	6						
44	44	H- Frame	S	Suspension	Single Ckt	167	Coldline	501	3			3			3	6						
45	45	H- Frame	S	Suspension	Single Ckt	134	Coldline	402	3			3			3	6						
46	46	H- Frame	S	Suspension	Single Ckt	167	Coldline	501	3			3			3	6						
47	47	H- Frame	S	Suspension	Single Ckt	143	Coldline	429	3			3			3	6						
48	48	H- Frame	S	Suspension	Single Ckt	107	Coldline	321	3			3			3	6						
49	49	H- Frame	S	Suspension	Single Ckt	162	Coldline	486	3			3			3	6						
50	50	H- Frame	T	Tension	Single Ckt	140	Coldline	420		6	6					6					220KV KAPP Haldarwa Line	
51	51	H- Frame	T	Tension	Single Ckt	136	Coldline	408		6	6					6					220KV KAPP Haldarwa Line	
52	52	H- Frame	S	Suspension	Single Ckt	200	Coldline	600	3			3			3	6						
53	53	H- Frame	S	Suspension	Single Ckt	171	Coldline	513	3			3			3	6						
54	54	H- Frame	S	Suspension	Single Ckt	172	Coldline	516	3			3			3	6						
55	55	H- Frame	T	Tension	Single Ckt	96	Coldline	288		6	6					6						
56	56	H- Frame	T	Tension	Single Ckt	102	Coldline	306		6	6					6					220KV SLPP Gavasad 1&2 Line Crossing	
57	57	H- Frame	S	Suspension	Single Ckt	185	Coldline	555	3			3			3	6					220KV SLPP Gavasad 1&2 Line Crossing	
58	58	H- Frame	S	Suspension	Single Ckt	127	Coldline	381	3			3			3	6						
59	59	H- Frame	S	Suspension	Single Ckt	91	Coldline	273	3			3			3	6						
60	60	H- Frame	S	Suspension	Single Ckt	159	Coldline	477	3			3			3	6					AGRICULTURE AREA ROUGH ROAD	
61	61	H- Frame	S	Suspension	Single Ckt	200	Coldline	600	3			3			3	6						
62	62	H- Frame	S	Suspension	Single Ckt	91	Coldline	273	3			3			3	6						

Sr. No.	Loc. No.	H-Frame / Tower	Type of Tower / H-Frame	Ten / Susp / Double Ten / Double Susp	Line Configuration S/C / D/C	Span (Mtr)	Work Coldline / Hotline	Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspension H/W	Double Tension H/W	Double Suspension H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve	T connector wih pad	Jumper terminal w/o hole with suitable	Crossing details	Remark
								Mtr	No	No	Set	Set	Set	Set	Set	No	No	No					
63	63	H- Frame	S	Suspension	Single Ckt	131	Coldline	393	3			3			3	6						
64	64	H- Frame	S	Suspension	Single Ckt	171	Coldline	513	3			3			3	6						
65	65	H- Frame	T	Tension	Single Ckt	176	Coldline	528		6	6					6					220KV SLPP Gavasad 3&4 Line Crossing	
66	66	H- Frame	T	Tension	Single Ckt	187	Coldline	561		6	6					6					220KV SLPP Gavasad 3&4 Line Crossing	
67	67	H- Frame	S	Suspension	Single Ckt	145	Coldline	435	3			3			3	6						
68	68	H- Frame	S	Suspension	Single Ckt	120	Coldline	360	3			3			3	6						
69	69	H- Frame	S	Suspension	Single Ckt	133	Coldline	399	3			3			3	6						
70	70	H- Frame	T	Tension	Single Ckt	90	Coldline	270		6	6					6						
71	71	H- Frame	S	Suspension	Single Ckt	195	Coldline	585	3			3			3	6						
72	72	H- Frame	T	Tension	Single Ckt	146	Coldline	438		6	6					6						
73	73	H- Frame	S	Suspension	Single Ckt	127	Coldline	381	3			3			3	6						
74	74	H- Frame	S	Suspension	Single Ckt	152	Coldline	456	3			3			3	6						
75	75	H- Frame	S	Suspension	Single Ckt	139	Coldline	417	3			3			3	6						
76	76	H- Frame	S	Suspension	Single Ckt	105	Coldline	315	3			3			3	6						
77	77	H- Frame	S	Suspension	Single Ckt	205	Coldline	615	3			3			3	6						
78	78	H- Frame	T	Tension	Single Ckt	106	Coldline	318		6	6					6						
79	79	H- Frame	S	Suspension	Single Ckt	175	Coldline	525	3			3			3	6						
80	80	H- Frame	S	Suspension	Single Ckt	133	Coldline	399	3			3			3	6						
81	81	H- Frame	S	Suspension	Single Ckt	172	Coldline	516	3			3			3	6						
82	82	H- Frame	S	Suspension	Single Ckt	153	Coldline	459	3			3			3	6						
83	83	H- Frame	TD	Double Tension	Single Ckt	131	Coldline	393		12			6			6						
84	84	H- Frame	TD	Double Tension	Single Ckt	185	Coldline	555		12			6			6					Vankal Pataldevi Road	
85	85	H- Frame	S	Suspension	Single Ckt	78	Coldline	234	6					3	3	6					Vankal Pataldevi Road	
86	86	Tower	TD	Double Tension	Single Ckt	199	Coldline	597		12			6			6					Lavet Vad Road Cross and 11KV HT Line	
87	87	Tower	TD	Double Tension	Single Ckt	275	Coldline	825		12			6			6					Lavet Vad Road Cross	
88	88	Tower	S	Suspension	Single Ckt	277	Coldline	831	3			3			3	6						
89	89	Tower	S	Suspension	Single Ckt	234	Coldline	702	3			3			3	6						
90	90	Tower	S	Suspension	Single Ckt	302	Coldline	906	3			3			3	6						
91	91	Tower	T	Tension	Single Ckt	256	Coldline	768		6	6					6					11KV HT Line crossing	
92	92	Tower	T	Tension	Single Ckt	213	Coldline	639		6	6					6					11KV HT Line crossing	
93	93	H- Frame	TD	Double Tension	Single Ckt	73	Coldline	219		12			6			6					400KV Line Crossing	
94	94	H- Frame	TD	Double Tension	Single Ckt	95	Coldline	285		12			6			6					400KV Line Crossing	
95	95	H- Frame	TD	Double Tension	Single Ckt	233	Coldline	699		12			6			6					400KV Line Crossing	
96	96	H- Frame	TD	Double Tension	Single Ckt	75	Coldline	225		12			6			6					400KV Line Crossing	
97	97	Tower	T	Tension	Single Ckt	219	Coldline	657		6	6					6						
98	98	Tower	S	Suspension	Single Ckt	230	Coldline	690	3			3			3	6					Small Pathway	
99	99	Tower	S	Suspension	Single Ckt	238	Coldline	714	3			3			3	6					Small Pathway	
100	100	Tower	S	Suspension	Single Ckt	233	Coldline	699	3			3			3	6						
101	101	Tower	T	Tension	Single Ckt	226	Coldline	678		6	6					6						
102	102	Tower	S	Suspension	Single Ckt	250	Coldline	750	3			3			3	6					11KV HT Line crossing	
103	103	Tower	S	Suspension	Single Ckt	280	Coldline	840	3			3			3	6					11KV HT Line crossing and Ishanpur Road	
104	104	Tower	S	Suspension	Single Ckt	251	Coldline	753	3			3			3	6					11KV HT Line crossing and Ishanpur Road	
105	105	Tower	S	Suspension	Single Ckt	206	Coldline	618	3			3			3	6					11KV HT Line crossing	
106	106	Tower	S	Suspension	Single Ckt	246	Coldline	738	3			3			3	6					11KV HT Line crossing	
107	107	Tower	T	Tension	Single Ckt	200	Coldline	600		6	6					6						
108	108	Tower	S	Suspension	Single Ckt	185	Coldline	555	3			3			3	6						
109	109	Tower	S	Suspension	Single Ckt	220	Coldline	660	3			3			3	6					11KV HT and LT Line crossing	
110	110	Tower	SD	Double Suspension	Single Ckt	225	Coldline	675	6					3	3	6					11KV HT and LT Line crossing	
111	111	Tower	T	Tension	Single Ckt	280	Coldline	840		6	6					6					Pataldevi Nandola Road Crossing	
112	112	Tower	S	Suspension	Single Ckt	240	Coldline	720	3			3			3	6					11KV HT and LT Line crossing	
113	113	Tower	S	Suspension	Single Ckt	230	Coldline	690	3			3			3	6					11KV HT and LT Line crossing	
114	114	Tower	S	Suspension	Single Ckt	192	Coldline	576	3			3			3	6						
115	115	Tower	S	Suspension	Single Ckt	200	Coldline	600	3			3			3	6						
116	116	Tower	T	Suspension	Single Ckt	249	Coldline	747		6	6					6						
117	117	Tower	TD	Double Tension	Single Ckt	135	Coldline	405		12			6			6					Railway Crossing	
118	118	Tower	TD	Double Tension	Single Ckt	95	Coldline	285		12			6			6					Vankal Zankhvav Road Cross and 2 Nos	
119	119	Tower	T	Tension	Single Ckt	54	Coldline	162		9	3		3			6					Vankal Zankhvav Road Cross and 2 Nos	
120	120	Tower	T	Tension	Single Ckt	45	Coldline	135		6	6					6						
ntry 66kV Vankal SS							Coldline	0		3	3					3	9	9	3	6		
					Total :-	19900		59700	249	363	177	213	93	18	231	726	9	9	6	12		
					Add 0.5 % sag for conductor	100		299														
					Total Conductor =	20000		59999														

Sr. No.	Loc. No.	H-Frame / Tower	Type of Tower / H-Frame	Ten / Susp / Double Ten / Double Susp	Line Configuration S/C / D/C	Span (Mtr)	Work Coldline / Hotline	Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspension H/W	Double Tension H/W	Double Suspension H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve	T connector wih pad	Jumper terminal w/o hole with suitable	Crossing details	Remark
								Mtr	No	No	Set	Set	Set	Set	Set	No	No	No					
						Span (Mtr)		Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspension H/W	Double Tension H/W	Double Suspension H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve				
								Additional Quantities	12	18	6	3	6	3	3	6	0	0	0	0		
								Final Quantities	261	381	183	216	99	21	234	732	9	9	6	12		

Total HTLS conductor required	59.999

Summary	
Line name	66kV Mosali Vankal Line
DOC	16.06.2008
Line length RKM	19.9
Type Structure S/C/D/C /H-frame	S/C/D/C tower/H frame
No of Single Suspension location	73
No of Double Suspension location	8
No of Single Tension location	28
No of Double Tension location	11
Cold Line Work - H-Frame	11.579
Cold Line Work - Tower	
Hotline Work - Tower	8.321