Name oF line : 66kV Dhoraji Mandlikpur 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 N&B	River/Road/Railway crossing
								Mtr	No	No	Set	Set	Set	Set	Set	No	No	No	No	No	
1	Mndpr Gentry					0				3	3					3			3	6	
2	1	TOWER	TOWER	T	D/C	55.7	Hotline	167.1		6	6					6					
3	2	TOWER	TOWER	T	D/C	180.9	Hotline	542.7		6	6					6					
4	3	H-FRAME	H-FRAME	TC	S/C	40	Coldline	120	3	6	6	3			3	6					
5	4	H-FRAME	H-FRAME	T	S/C	70.8	Coldline	212.4		6	6					6					
6	5	TOWER	TOWER	T	D/C	48.2	Hotline	144.6		6	6					6					
7	6	TOWER	TOWER	T	D/C	134.1	Hotline	402.3		6	6					6					
8	7	TOWER	TOWER	S	D/C	168.8	Hotline	506.4	3			3			3	6					
9	8	TOWER	TOWER	S	D/C	219.1	Hotline	657.3	3			3			3	6					
10	9	TOWER	TOWER	T	D/C	239.3	Hotline	717.9		6	6					6					
11	10	H-FRAME	H-FRAME	T	S/C	152.5	Coldline	457.5		6	6					6					
12	11	H-FRAME	H-FRAME	S	S/C	192	Coldline	576	3			3			3	6					
13	12	H-FRAME	H-FRAME	S	S/C	191.7	Coldline	575.1	3			3			3	6					
14	13	H-FRAME	H-FRAME	S	S/C	201.7	Coldline	605.1	3			3			3	6					
15	14	H-FRAME	H-FRAME	T	S/C	191.1	Coldline	573.3		6	6					6					
16	15	H-FRAME	H-FRAME	S	S/C	158.1	Coldline	474.3	3			3			3	6					
17	16	H-FRAME	H-FRAME	S	S/C	191.1	Coldline	573.3	3			3			3	6					
18	17	H-FRAME	H-FRAME	S	S/C	163.3	Coldline	489.9	3			3			3	6					
19	18	H-FRAME	H-FRAME	S	S/C	182.2	Coldline	546.6	3			3			3	6					
20	19	H-FRAME	H-FRAME	S	S/C	204.7	Coldline	614.1	3			3			3	6					
21	20	H-FRAME	H-FRAME	S	S/C	191.3	Coldline	573.9	3			3			3	6					
22	21	H-FRAME	H-FRAME	S	S/C	195.3	Coldline	585.9	3			3			3	6					
23	22	H-FRAME	H-FRAME	S	S/C	177	Coldline	531	3			3			3	6					
24	23	H-FRAME	H-FRAME	S	S/C	191.1	Coldline	573.3	3			3			3	6					
25	24	H-FRAME	H-FRAME	S	S/C	183.7	Coldline	551.1	3			3			3	6					
26	25	H-FRAME	H-FRAME	S	S/C	189.8	Coldline	569.4	3			3			3	6					
27	26	H-FRAME	H-FRAME	S	S/C	191.3	Coldline	573.9	3			3			3	6					
28	27	H-FRAME	H-FRAME	S	S/C	174.9	Coldline	524.7	3			3			3	6					
29	28	H-FRAME	H-FRAME	T	S/C	208.1	Coldline	624.3		6	6					6					
30	29	H-FRAME	H-FRAME	S	S/C	187.6	Coldline	562.8	3			3			3	6					
31	30	H-FRAME	H-FRAME	S	S/C	218.5	Coldline	655.5	3			3			3	6					
32	31	H-FRAME	H-FRAME	S	S/C	189.4	Coldline	568.2	3			3			3	6					
33	32	H-FRAME	H-FRAME	S	S/C	162.8	Coldline	488.4	3			3			3	6					
34	33	H-FRAME	H-FRAME	S	S/C	229	Coldline	687	3			3			3	6					
35	34	H-FRAME	H-FRAME	S	S/C	231.2	Coldline	693.6	3			3			3	6					
36	35	H-FRAME	H-FRAME	S	S/C	177.7	Coldline	533.1	3			3			3	6					
37	36	H-FRAME	H-FRAME	S	S/C	221.7	Coldline	665.1	3			3			3	6					
38	37	H-FRAME	H-FRAME	S	S/C	284.6	Coldline	853.8	3			3			3	6					
39	38	H-FRAME	H-FRAME	S	S/C	170.1	Coldline	510.3	3			3			3	6					
40	39	H-FRAME	H-FRAME	S	S/C	83.6	Coldline	250.8	3			3			3	6					
41	40	H-FRAME	H-FRAME	T	S/C	191.2	Coldline	573.6		6	6					6					
42	41	H-FRAME	H-FRAME	S	S/C	216.5	Coldline	649.5	3			3			3	6					
43	42	H-FRAME	H-FRAME	S	S/C	220.6	Coldline	661.8	3			3			3	6					
44	43	H-FRAME	H-FRAME	S	S/C	206.3	Coldline	618.9	3			3			3	6					
45	44	H-FRAME	H-FRAME	S	S/C	184.8	Coldline	554.4	3			3			3	6					
46	45	H-FRAME	H-FRAME	S	S/C	189.4	Coldline	568.2	3			3			3	6					
47	46	H-FRAME	H-FRAME	TB	S/C	192.4	Coldline	577.2		9	3		3			6					Bhutvan Local Road Crossing
48	47	H-FRAME	H-FRAME	SB	S/C	173.6	Coldline	520.8	6					3	3	6					Bhutvan Local Road Crossing
49	48	H-FRAME	H-FRAME	S	S/C	161.2	Coldline	483.6	3			3			3	6					
50	49	H-FRAME	H-FRAME	S	S/C	203.4	Coldline	610.2	3			3			3	6					
51	50	H-FRAME	H-FRAME	S	S/C	189.9	Coldline	569.7	3			3			3	6					
52	51	H-FRAME	H-FRAME	S	S/C	149.5	Coldline	448.5	3			3			3	6					
53	52	H-FRAME	H-FRAME	S	S/C	219.2	Coldline	657.6	3			3			3	6					
54	53	H-FRAME	H-FRAME	S	S/C	200.4	Coldline	601.2	3			3			3	6					
55	54	H-FRAME	H-FRAME	S	S/C	211.6	Coldline	634.8	3			3			3	6					
56	55	H-FRAME	H-FRAME	S	S/C	166	Coldline	498	3			3			3	6					
57	56	H-FRAME	H-FRAME	S	S/C	164.7	Coldline	494.1	3			3			3	6					
58	57	H-FRAME	H-FRAME	S	S/C	180.5	Coldline	541.5	3			3			3	6					
59	58	H-FRAME	H-FRAME	S	S/C	191.7	Coldline	575.1	3			3			3	6					
60	59	H-FRAME	H-FRAME	S	S/C	182.3	Coldline	546.9	3			3			3	6					
61	60	H-FRAME	H-FRAME	T	S/C	192.3	Coldline	576.9		6	6					6					
62	60/1	TOWER	TOWER	T	D/C	137.9	Hotline	413.7		6	6					6					
63	60/2	H-FRAME	H-FRAME	T	S/C	112	Coldline	336		6	6					6					
64	60/3	H-FRAME	H-FRAME	T	S/C	140.3	Coldline	420.9		6	6					6					
65	60/4	TOWER	TOWER	T	D/C	202.2	Hotline	606.6		6	6					6					
66	Dhoraji Gentry					32.4	Hotline	97.2		3	3					3	9	9	3	6	
					Total =	**11456.3**		**34368.9**	**147**	**111**	**105**	**141**	**3**	**3**	**144**	**390**	**9**	**9**	**6**	**12**	
					Add 0.5 % sag for conductor			**34541**													

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 f	PA Rod r	Vibration Damper	Mid Span Jointsr	Repair Sleeve	T connector wih pad	Jumper terminal w/o hole with suitable N&B
		Additional Quantities	9	9	3	3	3	3	3	6	0	0	0	0
		Final Quantities	**156**	**120**	**108**	**144**	**6**	**6**	**147**	**396**	**9**	**9**	**6**	**12**