

Estimate for Supply, Installation, Testing & Commissioning of Conversion of 66kV Singlav-Borsad Line with Dog Conductor into equivalent HTLS Conductor (Equivalent weight of Dog Conductor with Higher Ampacity) under Karamsad AM.

							Material Required For HTLS Conductor Stringing															
SR No	Location No	H-Frame / Tower	Type of Tower / H- Frame	Ten / Ten / Susp / Double Ten / Double Susp	Line Configurati on S/C / D/C	Span (Mtr)	Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspensi on H/W	Double Tension H/W	Double Suspensi on H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve	T connecto r with pad	Jumper terminal without hole with suitable	Remarks		
							Mtr	No	No	Set	Set	Set	Set	Set	No	No	No	No	No.			
1	66kV Singlav SS	GANTRY		T	SC	55			3	3					3			3	6			
2	1	Tower	PS+0	T	DC	219	659.366		6	6					6							
3	2	Tower	PP+3	S	DC	269	809.854	3			3			3	6							
4	3	Tower	PP+0	S	DC	230	694.819	3			3			3	6							
5	4	Tower	PS+0	T	DC	208	627.312		6	6					6							
6	5	Tower	PP+0	S	DC	234	704.161	3			3			3	6							
7	6	Tower	PR+0	DT	DC	209	628.988		9	3		3			6							
8	7	Tower	PP+0	DS	DC	192	578.369	6					3	3	6							
9	8	Tower	PS+0	T	DC	208	626.634		6	6					6							
10	9	Tower	PP+3	DS	DC	174	523.966	6					3	3	6					Dehmi Dedarada		
11	10	Tower	PP+3	DS	DC	205	617.616	6					3	3	6					Road Crossing		
12	11	Tower	PR+0	T	DC	256	771.824		6	6					6							
13	12	Tower	PR+0	T	DC	243	732.801		6	6					6							
14	13	Tower	PS+0	T	DC	194	586.057		6	6					6							
15	14	Tower	PS+0	T	DC	133	401.755		6	6					6							
16	15	H-Frame	B	DT	SC	165	497.475		9	3		3			6					Dehmi Dedarada		
17	16	H-Frame	A	DS	SC	107	322.605	6					3	3	6					Road Crossing		
18	17	H-Frame	A	S	SC	93	280.395	3			3			3	6							
19	18	H-Frame	A	S	SC	173	521.595	3			3			3	6							
20	19	H-Frame	A	S	SC	160	482.4	3			3			3	6							
21	20	H-Frame	A	S	SC	151	455.265	3			3			3	6							
22	21	H-Frame	B	T	SC	166	500.49		6	6					6							
23	22	H-Frame	A	S	SC	166	500.49	3			3			3	6							
24	23	H-Frame	A	S	SC	169	509.535	3			3			3	6							
25	24	H-Frame	A	S	SC	159	479.385	3			3			3	6							
26	25	H-Frame	A	DS	SC	132	397.98	6					3	3	6							
27	26	H-Frame	B	DT	SC	164	494.46		9	3		3			6					Canal Crossing		
28	27	H-Frame	A	S	SC	164	494.46	3			3			3	6							
29	28	H-Frame	A	DS	SC	150	452.25	6					3	3	6					Borasd Singlav		
30	29	H-Frame	A	DS	SC	166	500.49	6					3	3	6					Road Crossing		
31	30	H-Frame	B	T	SC	169	509.535		6	6					6							
32	31	PS+9	PS+9	DT	SC	202	609.03		9	3		3			6					NH Vasad		
33	32	PS+9	PS+9	DT	SC	118	355.77		12	0		6			6					Tarapur Highway		
34	33	H-Frame	C	DT	SC	193	581.895	3	12		3	6		3	6					Borsad Dehmi roa		
35	34	H-Frame	B	T	SC	170	512.55		6	6					6							
36	35	H-Frame	A	S	SC	149	449.235	3			3			3	6							
37	36	H-Frame	B	T	SC	176	530.64		6	6					6							
38	37	H-Frame	B	T	SC	177	533.655		6	6					6							
39	38	H-Frame	A	S	SC	103	310.545	3			3			3	6							
40	39	H-Frame	B	DT	SC	154	464.31		9	3		3			6							
41	40	H-Frame	B	DT	SC	188	566.82		12			6			6							
42	41	Tower	DS+0	DT	DC	86	259.29		9	3		3			6							
	42	Tower	DQ+3	T	DC	201	606.015		6	6					6					Borsad TP Road		
	43	Tower	DP+3	S	DC	247	744.705	3			3			3	6							
	44	Tower	DQ+3	T	DC	130	391.95		6	6					6							
	45	Tower	DS+0	T	DC	100	301.5		6	6					6							
	46	Tower	DS+0	T	DC	136	410.04		6	6					6							
74	66kV Borsad SS	GANTRY			SC	48	144.72		3	3					3	6	6	3	6			
					Total =	8059.974615	24134.998	87	192	120	45	36	21	66	282	6	6	6	12			
						Span (Mtr)	Conductor	66KV Susp. SRI	66KV Tension SRI	Single Tension H/W	Single Suspensio n H/W	Double Tension H/W	Double Suspensio n H/W	PA Rod	Vibration Damper	Mid Span Jointsr	Repair Sleeve					
							Additional Quantities	5		5	5	2	2	3	3							
	Line length in ckm	8.060					Final Quantities	92	192	125	50	38	23	69	285	6	6	6	12			
	Total required HTLS Conductor	24.301																				