

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

							Material Required For HTLS Conductor Stringing											T connecto r with pad	Jumper terminal without hole with suitable	
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 Joint	Repair Sleeve	No	No	Remarks
							Mtr	No	No	Set	Set	Set	Set	Set	No	No	No	No	No	
1	220kV Karamsad SS Gantry	Gantry		T	SC				3	3					3			3	6	
2	1	H-Frame	B	T	SC	72	217.08		6	6					6					
3	2	H-Frame	C	T	SC	107	322.605	3	6	6	3			3	6					
4	3	H-Frame	B	T	SC	163	491.445		6	6					6					
5	4	H-Frame	B	T	SC	93	280.395		6	6					6					
6	5	H-Frame	A	S	SC	158	476.37	3			3			3	6					
7	6	H-Frame	A	S	SC	181	545.715	3			3			3	6					
8	7	H-Frame	B	T	SC	118	355.77		6	6					6					
9	8	Single Pole	D	T	SC	53	159.795		6	6					6					
10	9	H-Frame	B	T	SC	51	153.765		6	6					6					
11	10	H-Frame	A	S	SC	168	506.52	3			3			3	6					
12	11	H-Frame	A	S	SC	156	470.34	3			3			3	6					
13	12	H-Frame	A	S	SC	169	509.535	3			3			3	6					
14	13	H-Frame	A	S	SC	171	515.565	3			3			3	6					
15	14	H-Frame	A	DS	SC	172	518.58	6					3	3	6					
16	15	H-Frame	A	DS	SC	130	391.95	6					3	3	6					
17	16	H-Frame	A	S	SC	162	488.43	3			3			3	6					
18	17	H-Frame	A	S	SC	176	530.64	3			3			3	6					
19	18	H-Frame	B	T	SC	73	220.095		6	6					6					
20	19	H-Frame	B	T	SC	157	473.355		6	6					6					
21	20	H-Frame	B	T	SC	170	512.55		6	6					6					
22	21	H-Frame	B	T	SC	161	485.415		6	6					6					
23	22	H-Frame	A	S	SC	208	627.12	3			3			3	6					
24	23	H-Frame	A	S	SC	167	503.505	3			3			3	6					
25	24	H-Frame	A	S	SC	151	455.265	3			3			3	6					
26	25	H-Frame	B	T	SC	171	515.565		6	6					6					
27	26	PS+6	PS+6	T	SC	130	391.95		9	3		3			6					
28	27	PS+12	PS+12	T	SC	159	479.385		9	3		3			6					
29	28	H-Frame	B	T	SC	98	295.47		6	6					6					
30	29	H-Frame	A	S	SC	170	512.55	3			3			3	6					
31	30	H-Frame	A	S	SC	171	515.565	3			3			3	6					
32	31	H-Frame	B	T	SC	177	533.655		6	6					6					
33	32	H-Frame	B	T	SC	121	364.815		3	3					3		3	6		
34	33	H-Frame	B	T	SC	175	UG		3	3					3		3	6		
35	34	H-Frame	B	T	SC	72	217.08		6	6					6					
36	35	H-Frame	A	S	SC	196	590.94	3			3			3	6					
37	36	H-Frame	B	T	SC	122	367.83		6	6					6					
38	37	H-Frame	A	S	SC	166	500.49	3			3			3	6					
39	38	H-Frame	A	S	SC	143	431.145	3			3			3	6					
40	39	H-Frame	A	S	SC	173	521.595	3			3			3	6					
41	40	H-Frame	A	S	SC	170	512.55	3			3			3	6					
42	41	H-Frame	A	S	SC	155	467.325	3			3			3	6					
43	42	H-Frame	A	S	SC	159	479.385	3			3			3	6					
44	43	H-Frame	A	S	SC	189	569.835	3			3			3	6					
45	44	H-Frame	B	T	SC	169	509.535		6	6					6					
46	45	H-Frame	A	S	SC	169	509.535	3			3			3	6					
47	46	H-Frame	A	S	SC	167	503.505	3			3			3	6					
48	47	H-Frame	A	S	SC	163	491.445	3			3			3	6					
49	48	H-Frame	A	S	SC	172	518.58	3			3			3	6					
50	49	H-Frame	A	S	SC	164	494.46	3			3			3	6					
51	50	H-Frame	A	S	SC	105	316.575	3			3			3	6					
52	51	H-Frame	A	DS	SC	167	503.505	6					3	3	6					Napa Gana Road
53	52	H-Frame	A	DS	SC	136	410.04	6					3	3	6					
54	53	H-Frame	B	T	SC	166	500.49		6	6					6					

Estimate for Supply, Installation, Testing & Commissioning of Conversion of 66kV Karamsad-Singlav 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 Joint	Repair Sleeve	T connecto r with pad	Jumper terminal without hole with suitable	Remarks	
55	54	H-Frame	A	DS	SC	110	331.65	6					3	3	6						
56	55	H-Frame	A	DS	SC	122	367.83	6					3	3	6					Talpad Road	
57	56	H-Frame	A	S	SC	143	431.145	3			3			3	6						
58	57	H-Frame	A	S	SC	79	238.185	3			3			3	6						
59	58	H-Frame	A	S	SC	171	515.565	3			3			3	6						
60	59	H-Frame	A	S	SC	190	572.85	3			3			3	6						
61	60	H-Frame	B	DT	SC	145	437.175		9	3		3			6						
62	61	H-Frame	B	DT	SC	92	277.38		9	3		3			6						
63	62	H-Frame	A	S	SC	168	506.52	3			3			3	6						
64	63	H-Frame	A	S	SC	174	524.61	3			3			3	6						
65	64	H-Frame	A	S	SC	170	512.55	3			3			3	6						
66	65	H-Frame	A	S	SC	172	518.58	3			3			3	6						
67	66	H-Frame	A	S	SC	171	515.565	3			3			3	6						
68	67	H-Frame	A	S	SC	183	551.745	3			3			3	6						
69	68	H-Frame	A	S	SC	180	542.7	3			3			3	6						
70	69	H-Frame	A	S	SC	163	491.445	3			3			3	6						
71	70	H-Frame	B	T	SC	166	500.49		6	6					6						
72	71	H-Frame	A	S	SC	168	506.52	3			3			3	6						
73	72	H-Frame	B	T	SC	188	566.82		6	6					6						
74	73	Tower	PS+0	T	DC	133	401.755		6	6					6						
75	74	Tower	PS+0	T	DC	194	586.057		6	6					6						
76	75	Tower	PR+0	T	DC	243	732.801		6	6					6						
77	76	Tower	PR+0	T	DC	256	771.824		6	6					6						
78	77	Tower	PP+3	DS	DC	205	617.616	6					3	3	6						
79	78	Tower	PP+3	DS	DC	174	523.966	6					3	3	6						
80	79	Tower	PS+0	T	DC	208	626.634		6	6					6						
81	80	Tower	PP+0	DS	DC	192	578.369	6					3	3	6						
82	81	Tower	PR+0	DT	DC	209	628.988		9	3		3			6						
83	82	Tower	PP+0	S	DC	234	704.161	3			3			3	6						
84	83	Tower	PS+0	T	DC	208	627.312		6	6					6						
85	84	Tower	PP+0	S	DC	230	694.819	3			3			3	6						
86	85	Tower	PP+3	S	DC	269	809.854	3			3			3	6						
87	86	Tower	PS+0	T	DC	219	659.366		6	6					6						
Singlav Gantry						62	186.253		3	3					3	12	12	3	6		
Total =						13872	41295.701	186	219	189	132	15	27	159	516	12	12	12	24		
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	T connecto r with pad	Jumper terminal without hole with		
Additional Quantities								7		5	7	2	2	3	3						
Final Quantities								193	219	194	139	17	29	162	519	12	12	12	24		