

220KV Dahej Haldarwa line-1 ACSR Zebra to HTLS conversion under Jurisdiction of 220KV Dahej SS																		
Sr.no.	Loc. No.	S/C or D/C	Tower Type	Span Between Tower No.	Span Length	Section Span length	Total SRI Required	220KV Suspension SRI 90 kN	220KV Tension SRI 120 kN	Single Suspension H/W for HTLS Zebra	Double Suspension H/W for HTLS Zebra	Single Tension H/W for HTLS Zebra	Double Tension H/W for HTLS Zebra	Vibration damper fro HTLS Zebra	PA Armour rod for HTLS Zebra	Midspan joint for HTLS Zebra	Repair sleeve for HTLS Zebra	REMARKS
Haldarwa GANTRY		T					3	0	3	0	0	3	0	3	0	0	0	Long: 73.03213653 Lat:21.7524891
1	1	D/C	T	Loc. No. - 1	81	81	6	0	6	0	0	6	0	6	0	0	0	
2	2	D/C	T	1 - 2	241	241	6	0	6	0	0	6	0	6	0	0	0	Hald village cement road
3	3	D/C	T	2 - 3	214	214	6	0	6	0	0	6	0	6	0	0	0	
4	4	D/C	T	3 - 4	132	132	6	0	6	0	0	6	0	6	0	0	0	
5	5	D/C	S	4 - 5	332	653	3	3	0	3	0	0	0	6	3	0	0	
6	6	D/C	T	5 - 6	321		6	0	6	0	0	6	0	6	0	0	0	
7	7	D/C	DS	6 - 7	334		6	6	0	0	3	0	0	6	3	0	0	
8	8	D/C	DS	7 - 8	299		6	6	0	0	3	0	0	6	3	0	0	Cement road B/W
9	9	D/C	CT	8 - 9	277	910	9	3	6	3	0	6	0	6	3	0	0	
10	10	D/C	DT	9 - 10	357	357	12	3	9	3	0	3	3	6	0	0	0	220KV Dahej-2-Suva line cross & Hald-luvara road cross
11	11	D/C	DT	10 - 11	97	97	12	3	9	3	0	3	3	6	0	0	0	Hald-luvara road cross
12	12	D/C	DT	11 - 12	214	214	9	0	9	0	0	3	3	6	0	0	0	66kv line cross
13	13	D/C	DS	12 - 13	222	830	6	6	0	0	3	0	0	6	3	0	0	
14	14	D/C	S	13 - 14	331		6	6	0	0	3	0	0	6	3	0	0	Big canal B/W
15	15	D/C	T	14 - 15	277		9	0	9	0	0	3	3	6	0	0	0	
16	16	D/C	S	15 - 16	336		3	3	0	3	0	0	0	6	3	0	0	
17	17	D/C	S	16 - 17	367	1690	3	3	0	3	0	0	0	6	3	0	0	
18	18	D/C	S	17 - 18	342		6	6	0	0	3	0	0	6	3	0	0	Asuriya Road cross
19	19	D/C	S	18 - 19	301		6	6	0	0	3	0	0	6	3	0	0	
20	20	D/C	DT	19 - 20	344		9	0	9	0	0	3	3	6	0	0	0	132kv line cross B/W
21	21	D/C	DT	20 - 21	116	116	9	0	9	0	0	3	3	6	0	0	0	66kv line cross B/W
22	22	D/C	S	21 - 22	308	590	3	3	0	3	0	0	0	6	3	0	0	
23	23	D/C	DT	22 - 23	282	200	12	3	9	3	0	3	3	6	0	0	0	National Highway cross
24	24	D/C	DC	23 - 24	200		15	3	12	3	0	0	6	6	0	0	0	400kv GPEC NTPC line cross
25	25	D/C	T	24 - 25	353	353	6	0	6	0	0	6	0	6	0	0	0	
26	26	D/C	S	25 - 26	305	605	3	3	0	3	0	0	0	6	3	0	0	
27	27	D/C	T	26 - 27	300		6	0	6	0	0	6	0	6	0	0	0	
28	28	D/C	DT	27 - 28	282		12	0	12	0	0	0	6	6	0	0	0	
29	29	D/C	DT	28 - 29	119		119	12	0	12	0	0	0	6	6	0	0	0
30	30	D/C	S	29 - 30	382	1007	3	3	0	3	0	0	0	6	3	0	0	
31	31	D/C	S	30 - 31	317		3	3	0	3	0	0	0	6	3	0	0	
32	32	D/C	CT	31 - 32	308		9	3	6	3	0	6	0	6	0	0	0	
33	33	D/C	S	32 - 33	272		6	6	0	0	3	0	0	6	3	0	0	Hald-Bori Road
34	34	D/C	S	33 - 34	316	900	6	6	0	0	3	0	0	6	3	0	0	
35	35	D/C	CT	34 - 35	312		9	3	6	3	0	6	0	6	0	0	0	
36	36	D/C	DS	35 - 36	284		6	6	0	0	3	0	0	6	3	0	0	Hingalla-Dayadra Road
37	37	D/C	DS	36 - 37	339		6	6	0	0	3	0	0	6	3	0	0	11kv line cross
38	38	D/C	S	37 - 38	302	1257	3	3	0	3	0	0	0	6	3	0	0	
39	39	D/C	T	38 - 39	332		6	0	6	0	0	6	0	6	0	0	0	2 nos. of 11kv line cross
40	40	D/C	S	39 - 40	397		3	3	0	3	0	0	0	6	3	0	0	11kv line cross
41	41	D/C	S	40 - 41	320	1075	3	3	0	3	0	0	0	6	3	0	0	
42	42	D/C	DT	41 - 42	358		12	3	9	3	0	3	3	6	0	0	0	220kv line cross
43	43	D/C	DT	42 - 43	95	95	12	3	9	3	0	3	3	6	0	0	0	
44	44	D/C	S	43 - 44	383		3	3	0	3	0	0	0	6	3	0	0	
45	45	D/C	S	44 - 45	341		3	3	0	3	0	0	0	6	3	0	0	
46	46	D/C	S	45 - 46	348	1705	3	3	0	3	0	0	0	6	3	0	0	
47	47	D/C	S	46 - 47	321		3	3	0	3	0	0	0	6	3	0	0	
48	48	D/C	T	47 - 48	312		6	0	6	0	0	6	0	6	0	0	0	
49	49	D/C	S	48 - 49	337		3	3	0	3	0	0	0	6	3	0	0	
50	50	D/C	S	49 - 50	267	2974	3	3	0	3	0	0	0	6	3	0	0	400KV GPEC-KASOR line cross
51	51	D/C	S	50 - 51	322		3	3	0	3	0	0	0	6	3	0	0	
52	52	D/C	S	51 - 52	397		3	3	0	3	0	0	0	6	3	0	0	
53	53	D/C	S	52 - 53	345		6	6	0	0	3	0	0	6	3	0	0	Road to tralsa village crossing
54	54	D/C	S	53 - 54	357	220	6	6	0	0	3	0	0	6	3	0	0	
55	55	D/C	S	54 - 55	397		6	6	0	0	3	0	0	6	3	0	0	Tralsa-dandipath road cross
56	56	D/C	S	55 - 56	347		6	6	0	0	3	0	0	6	3	0	0	Railway cross B/W
57	57	D/C	T	56 - 57	205		6	0	6	0	0	6	0	6	0	0	0	
58	58	D/C	DT	57 - 58	220	220	12	3	9	3	0	3	3	6	0	0	0	bullet train cross
59	59	D/C	DT	58 - 59	173	173	12	3	9	3	0	3	3	6	0	0	0	
60	60	D/C	DT	59 - 60	349	349	12	3	9	3	0	3	3	6	0	0	0	
61	61	D/C	DT	60 - 61	350	350	12	3	9	3	0	3	3	6	0	0	0	
62	62	D/C	T	61 - 62	334	334	6	0	6	0	0	6	0	6	0	0	0	
63	63	D/C	S	62 - 63	347	1055	6	6	0	0	3	0	0	6	3	0	0	mumbai-vadodara Express highway crossing
64	64	D/C	S	63 - 64	349		6	6	0	0	3	0	0	6	3	0	0	
65	65	D/C	T	64 - 65	359		6	0	6	0	0	6	0	6	0	0	0	
66	66	D/C	DT	65 - 66	362	362	12	3	9	3	0	3	3	6	0	0	0	Jambusar road cross B/W
67	67	D/C	DT	66 - 67	355	355	12	3	9	3	0	3	3	6	0	0	0	765KV Ahmedabad-Navsari line crossing B/W
68	68	D/C	T	67 - 68	387	387	6	0	6	0	0	6	0	6	0	0	0	
69	69	D/C	DT	68 - 69	174	174	12	3	9	3	0	3	3	6	0	0	0	
70	70	D/C	DT	69 - 70	347	347	12	3	9	3	0	3	3	6	0	0	0	
71	71	D/C	S	70 - 71	336	3776	6	6	0	0	3	0	0	6	3	0	0	bhukhi khadi crossing B/W loc.
72	72	D/C	S	71 - 72	343		6	6	0	0	3	0	0	6	3	0	0	
73	73	D/C	S	72 - 73	341		3	3	0	3	0	0	0	6	3	0	0	
74	74	D/C	S	73 - 74	342		3	3	0	3	0	0	0	6	3	0	0	small canal crossing
75	75	D/C	S	74 - 75	291	3776	3	3	0	3	0	0	0	6	3	0	0	
76	76	D/C	S	75 - 76	327		3	3	0	3	0	0	0	6	3	0	0	66kv Vagra-Nandelav cross
77	77	D/C	S	76 - 77	347		3	3	0	3	0	0	0	6	3	0	0	
78	78	D/C	S	77 - 78	363		6	6	0	0	3	0	0	6	3	0	0	Derol-vagra road crossing
79	79	D/C	S	78 - 79	362	2955	6	6	0	0	3	0	0	6	3	0	0	small canal crossing
80	80	D/C	S	79 - 80														

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107	107	D/C	T	106 - 107	299	3124	9	0	9	0	0	3	3	6	0	0	0	GRK Saguna Road Cross	
108	108	D/C	S	107 - 108	267		3	3	0	3	0	0	0	6	3	0	0		
109	109	D/C	S	108 - 109	287		3	3	0	3	0	0	0	6	3	0	0		
110	110	D/C	S	109 - 110	353		6	6	0	0	3	0	0	6	3	0	0	Saykha Kothiya Road	
111	111	D/C	S	110 - 111	312		6	6	0	0	3	0	0	6	3	0	0		
112	112	D/C	S	111 - 112	325		3	3	0	3	0	0	0	6	3	0	0		
113	113	D/C	S	112 - 113	322		3	3	0	3	0	0	0	6	3	0	0		
114	114	D/C	S	113 - 114	294		3	3	0	3	0	0	0	6	3	0	0		
115	115	D/C	S	114 - 115	320		3	3	0	3	0	0	0	6	3	0	0		
116	116	D/C	S	115 - 116	329		6	6	0	0	3	0	0	6	3	0	0	Vahiyal Kothiya Road	
117	117	D/C	T	116 - 117	315	9	0	9	0	0	3	3	6	0	0	0			
118	118	D/C	S	117 - 118	326	3	3	0	3	0	0	0	6	3	0	0			
119	119	D/C	S	118 - 119	319	3	3	0	3	0	0	0	6	3	0	0			
120	120	D/C	S	119 - 120	259	3	3	0	3	0	0	0	6	3	0	0			
121	121	D/C	S	120 - 121	325	3	3	0	3	0	0	0	6	3	0	0			
122	122	D/C	S	121 - 122	318	3	3	0	3	0	0	0	6	3	0	0			
123	123	D/C	S	122 - 123	317	3	3	0	3	0	0	0	6	3	0	0			
124	124	D/C	S	123 - 124	305	3	3	0	3	0	0	0	6	3	0	0			
125	125	D/C	S	124 - 125	297	3	3	0	3	0	0	0	6	3	0	0			
126	126	D/C	T	125 - 126	291	6	0	6	0	0	6	0	6	0	0	0			
127	127	D/C	S	126 - 127	310	3	3	0	3	0	0	0	6	3	0	0			
128	128	D/C	S	127 - 128	309	3	3	0	3	0	0	0	6	3	0	0			
129	129	D/C	S	128 - 129	309	3	3	0	3	0	0	0	6	3	0	0			
130	130	D/C	S	129 - 130	309	3	3	0	3	0	0	0	6	3	0	0			
131	131	D/C	S	130 - 131	306	3	3	0	3	0	0	0	6	3	0	0			
132	132	D/C	S	131 - 132	316	3	3	0	3	0	0	0	6	3	0	0			
133	133	D/C	S	132 - 133	321	3	3	0	3	0	0	0	6	3	0	0			
134	134	D/C	S	133 - 134	330	3	3	0	3	0	0	0	6	3	0	0			
135	135	D/C	S	134 - 135	330	3	3	0	3	0	0	0	6	3	0	0			
136	136	D/C	T	135 - 136	272	6	0	6	0	0	6	0	6	0	0	0			
137	137	D/C	S	136 - 137	231	3	3	0	3	0	0	0	6	3	0	0			
138	138	D/C	S	137 - 138	335	6	6	0	0	3	0	0	6	3	0	0	Khajbal - Nandeda Road Cross		
139	139	D/C	S	138 - 139	326	6	6	0	0	3	0	0	6	3	0	0			
140	140	D/C	S	139 - 140	322	3	3	0	3	0	0	0	6	3	0	0			
141	141	D/C	S	140 - 141	314	3	3	0	3	0	0	0	6	3	0	0			
142	142	D/C	S	141 - 142	354	3	3	0	3	0	0	0	6	3	0	0			
143	143	D/C	S	142 - 143	309	3	3	0	3	0	0	0	6	3	0	0			
144	144	D/C	S	143 - 144	325	3	3	0	3	0	0	0	6	3	0	0			
145	145	D/C	S	144 - 145	317	3	3	0	3	0	0	0	6	3	0	0			
146	146	D/C	T	145 - 146	340	6	0	6	0	0	6	0	6	0	0	0			
147	147	D/C	S	146 - 147	315	3	3	0	3	0	0	0	6	3	0	0			
148	148	D/C	S	147 - 148	321	6	6	0	0	3	0	0	6	3	0	0	Akhod-Atali Road		
149	149	D/C	S	148 - 149	265	6	6	0	0	3	0	0	6	3	0	0			
150	150	D/C	S	149 - 150	368	3	3	0	3	0	0	0	6	3	0	0			
151	151	D/C	S	150 - 151	347	3	3	0	3	0	0	0	6	3	0	0			
152	152	D/C	S	151 - 152	296	3	3	0	3	0	0	0	6	3	0	0			
153	153	D/C	S	152 - 153	290	3	3	0	3	0	0	0	6	3	0	0			
154	154	D/C	T	153 - 154	314	6	0	6	0	0	6	0	6	0	0	0			
155	155	D/C	S	154 - 155	305	3	3	0	3	0	0	0	6	3	0	0			
156	156	D/C	S	155 - 156	324	6	6	0	0	3	0	0	6	3	0	0	Galenda GIDC Road		
157	157	D/C	D5	156 - 157	309	6	6	0	0	3	0	0	6	3	0	0	Wagra side double		
158	158	D/C	D5	157 - 158	248	6	6	0	0	3	0	0	6	3	0	0			
159	159	D/C	S	158 - 159	335	3	3	0	3	0	0	0	6	3	0	0			
160	160	D/C	S	159 - 160	228	6	6	0	0	3	0	0	6	3	0	0	Rahiyad Wagra Road		
161	161	D/C	S	160 - 161	328	6	6	0	0	3	0	0	6	3	0	0			
162	162	D/C	S	161 - 162	328	3	3	0	3	0	0	0	6	3	0	0			
163	163	D/C	S	162 - 163	329	3	3	0	3	0	0	0	6	3	0	0			
164	164	D/C	S	163 - 164	309	6	6	0	0	3	0	0	6	3	0	0	Suva sambheti Road		
165	165	D/C	S	164 - 165	328	6	6	0	0	3	0	0	6	3	0	0			
166	166	D/C	S	165 - 166	299	3	3	0	3	0	0	0	6	3	0	0			
167	167	D/C	T	166 - 167	306	6	0	6	0	0	6	0	6	0	0	0			
168	168	D/C	S	167 - 168	304	3	3	0	3	0	0	0	6	3	0	0			
169	169	D/C	S	168 - 169	307	3	3	0	3	0	0	0	6	3	0	0			
170	170	D/C	S	169 - 170	301	3	3	0	3	0	0	0	6	3	0	0			
171	171	D/C	S	170 - 171	321	3	3	0	3	0	0	0	6	3	0	0			
172	172	D/C	S	171 - 172	263	3	3	0	3	0	0	0	6	3	0	0			
173	173	D/C	S	172 - 173	321	3	3	0	3	0	0	0	6	3	0	0			
174	174	D/C	S	173 - 174	276	3	3	0	3	0	0	0	6	3	0	0			
175	175	D/C	S	174 - 175	300	3	3	0	3	0	0	0	6	3	0	0			
176	176	D/C	S	175 - 176	162	3	3	0	3	0	0	0	6	3	0	0			
177	177	D/C	S	176 - 177	144	3	3	0	3	0	0	0	6	3	0	0			
178	178	D/C	S	177 - 178	257	3	3	0	3	0	0	0	6	3	0	0			
179	179	D/C	D5	178 - 179	321	6	6	0	0	3	0	0	6	3	0	0	Luna ss Road Cross	C type	
180	180	D/C	DT	179 - 180	122	15	3	12	3	0	0	6	6	0	0	0			
181	181	D/C	T	180 - 181	133	9	0	9	0	0	3	3	6	0	0	0	Bharuch Dahej Main Road		
182	182	D/C	S	181 - 182	335	6	6	0	0	3	0	0	6	3	0	0			
183	183	D/C	S	182 - 183	367	3	3	0	3	0	0	0	6	3	0	0			
184	184	D/C	T	183 - 184	371	6	0	6	0	0	6	0	6	0	0	0			
185	185	D/C	T	184 - 185	373	6	0	6	0	0	6	0	6	0	0	0			
186	186	D/C	S	185 - 186	354	3	3	0	3	0	0	0	6	3	0	0			
187	187	D/C	S	186 - 187	330	3	3	0	3	0	0	0	6	3	0	0			
188	188	D/C	S	187 - 188	350	3	3	0	3	0	0	0	6	3	0	0			
189	189	D/C	DT	188 - 189	338	15	3	12	3	0	0	6	6	0	0	0	Dahej side doule	C type	
190																			