

PRE-IHI CHECK LIST FOR INSPECTION OF 33 KV / 11 KV FEEDER (OH Line)				F04(09.05.14) Eff.Date: 01.05.2023 R00	
Circle -		Division -		Sub Division -	
Section -		Name of Feeder:		Name of Location:	
Date of Inspection -		Description of Work :		Permission no./Ref no.	
Sanctioned estimate no.		BA Name:		BA Representative:	
TPWODL Representative:		Length of Line in Km		Size of Conductor in sq.mm.	
Sr. No	Description	Observations		Remark	
		O.K.	Not O.K.		
A	HT Line :				
1	SLD Dwg no.				
A-1	Single Poles				
1	Size/Rating of installed material as per approved concept note/estimate/drawings specification				
2	Check weather Installed Poles & structure material is GI (NA for PSC installation)				
3	Verticality of pole				
4	Whether Poles are aligned				
5	Clearance of Line from Ground				
6	Line crossing clearances				
7	Size of concreting as per drawing				
8	Provision of top muffing of proper quality				
9	Pole depth is upto GL marked on PSC/ GI Poles				
10	Pole Numbering done				
11	Provision of barbed wire (48 Turns)				
12	Provision of danger board with GI strip of 25 X 3 mm				
13	Suitable size of Earth rod provided for earthing of pole				
14	Coil earthing provided to all poles				
15	GI Earth wire connected to earthing pipes with proper nuts and bolts				
16	GI Earth wire taken up to connect 'V' cross arm and top clip through nut bolts an also all non-current carrying metal parts				
17	Earthing pit is 1.2 m away from Pole Pit				
18	Earth Resistance records are available				
19	Storm Guys provided 2 Nos per Km				
20	Whether Storm Guys are properly earthed				
21	Whether Barbed wire provided on Storm Guys				
22	Size of stay wire 7/4 mm				
23	Position of V X-Arm at 1220 mm from the Top				
24	Pin Insulators properly fixed				
25	Binding of conductor on insulator whether proper				
26	Span is not more than 60 m				
27	Stringing of Line - loose (Y),				
28	Adjacent spans conductors OK(Yes), Too tight or Too loose (No)				
29	Whether Guarding for Road/Line/Canal etc is done as per drawing with proper lacing				
30	Phase to phase clearance is ok				
31	Phase to Earth Clearance is ok				
32	Phase to Ground clearance is ok				
33	Whether Stay Set is provided at Guarding				
34	Whether Thimbles are used in Stay Set				
35	Whether Barbed wire provided in Stay Set				
36	Whether Stay Set is earthed				
37	Length of stay rod above ground whether 150 mm				
38	Anticlimbing/Spike clamp devices provided				
39	Proper size of PG & Wedge connectors are used for jointing of conductor				
A-2	Double Pole Cut-point Locations				

40	Structure as per approved drawing			
41	Size of GI Pole as per drawing			
42	Earthing Hole at the lower end provided			
43	Size of concreting 760 x 610 mm			
44	Provision of top muffing of proper quality			
45	Provision of barbed wire			
46	Provision of danger board			
47	Pole Numbering done			
48	Earth Resistance records are available			
49	Provision of two no of earth rod (18 mm.) with less than 150 mm length above ground			
50	Earthing pit is 1.2 m away from Pole Pit			
51	GI Earth wire connected to earthing pipes with proper nuts and bolts			
52	Earthwire connection to poles through nuts and bolts			
53	GI Earth wire taken up to connect to all non-current carrying metal parts			
54	Whether adequate nos. of Stay Sets are provided			
55	Whether Thimbles & stay insulators are used in Stay Set			
56	Whether Barbed wire provided in Stay Set			
57	Whether Stay Set is earthed			
58	Length of stay rod above ground whether 150 mm			
59	Size of stay wire 7/4 mm			
60	Disc Insulators fixed properly.			
61	Wedge connectors used for jumpers			
62	Adjacent spans conductors OK(Yes), Too tight or Too loose (No)			
63	Anticlimbing devices provided			
64	Proper size of PG & Wedge connectors are used for jointing of conductor			
A-3 Single Pole Cutpoint Locations				
65	Structure as per approved drawing			
66	Size of GI Pole as per drawing			
67	Earthing Hole at the lower end provided			
68	Size of concreting as per drawing			
69	Provision of top muffing of proper quality			
70	Provision of barbed wire			
71	Provision of danger board			
72	Pole Numbering done			
73	Earth Resistance records are available			
74	Provision 18 mm. dia earth rod with less than 150 mm length above ground			
75	Earthing pit is 1.2 m away from Pole Pit			
76	GI Earth wire connected to earthing pipes with proper nuts and bolts			
77	Earthwire connection to poles through nuts and bolts			
78	GI Earth wire taken up to connect to all non-current carrying metal parts			
79	Whether adequate nos. of Stay Sets are provided			
80	Whether Thimbles & stay insulator are used in Stay Set			
81	Whether Barbed wire provided in Stay Set			
82	Whether Stay Sets are earthed			
83	Length of stay rod above ground whether 150 mm			
84	Size of stay wire 7/4 mm			
85	Disc Insulators fixed properly.			
86	Split Pin provided in the bolt of strain hardware			
87	Wedge connectors used for jumpers			
88	Adjacent spans conductors OK(Yes), Too tight or Too loose (No)			
89	Anticlimbing devices provided			
90	Proper size of PG & Wedge connectors are used for jointing of conductor			
91	Earth test result are within limit			
A-4 Medium Voltage Covered Conductor (MVCC)				
92	Proper binding of MVCC by Non Metallic tie on insulator is provided			
93	Span is not more than 50 m			
94	Stringing of Line - loose (Y), Sag maintained Properly			
95	Adjacent spans conductors OK(Yes), Too tight or Too loose (No)			

96	Phase to phase clearance is ok			
97	Phase to Earth Clearance is ok			
98	Phase to Ground clearance is ok			
99	Proper size of IPC connector provided for cutpoint jumpering with end cap			
100	Suitable size of Termination kit with proper size of lugs provided for connection.			
101	Heat shrink straight through mid span joint provided for jointing of MVCC			
102	Suitable size of dead end clamp with disc insulator fixed on cut point channel			