

Detailed Scope of Work for ITC

Scope of work/ Scope Matrix			
Sr. No	Work Description	Supplier	TP Odisha DISCOM
1	Design, engineering , Manufacturing and supply	Y	
2	Drawing approvals		Y
3	Material arrangement at factory for inspection	Y	
4	Inspection charges _ Travel, Inspection agency charges, accommodation, local conveyances		Y
5	Freight charges	Y	
6	Unloading of panels at site	Y	
7	Covered Storage and security		Y
8	Shutdown of panel as per schedule		Y
9	Identification and marking of control and HT cable of exiting HT panel		Y
10	Dis connection / dismantling of exiting connection of control and cable connection		Y
11	Dismantling of exiting panel		Y
12	Shifting of old panel with in switch board room		Y
13	Shifting of old panel from Switch board room to store by Hydra shall be in Scope		Y
14	Shifting of new panel / material from store to work location by Hydra shall be in Scope	Y	
15	Shifting of new panel within switch board room	Y	
16	Earth pit preparation		Y
17	Civil activity/ scope		Y
18	Placement of C - Channel.		Y
19	Placement of Base frame		Y
20	Installation of panels	Y	
21	Connection of Coupling busbar and Hardware	Y	
22	Connection of Interpanels	Y	
23	Connection of Control cable for Transformer and Motor	Y	
24	AC and DC auxiliary cable connection at panel side.	Y	
25	AC and DC auxiliary cable & connection material supply	Y	
26	Earthing Connection (Internal)	Y	
27	Earthing Connection (External)	Y	
28	Supply of GI strip for Earthing connections if required	Y	
29	HT/LT cable supply and laying		Y
30	11 kV _ HT _ Cable termination kit supply		Y
31	Cable support preparation (Civil / Structure)		Y
32	11 KV _ HT Cable termination preparation and connections		Y
33	Testing of panels as per below testing	Y	
34	Commissioning of panels	Y	
35	Relay setting and calculations		Y
36	Feeding the Relay setting in relay	Y	
37	Site test Reports	Y	
38	Electrical Inspector approval		Y
39	Handing over the site to Zetwerk	Y	
40	Necessary Documents for Inspector Approval	Y	
41	Free Electric Power & water		Y
42	Space for site office and testing equipment storage		Y
43	Guest House Accommodations for ETC team	Y	
44	Insurance of material at site	Y	

45	Insurance of Material during the ETC.	Y	
46	Site hands on training for Operation and Maintenance _ 2hours	Y	
47	Safety Induction training to ABB if applicable		Y
48	PPE for ABB engineer & Co workers	Y	
49	Documents for Gate pass, Photo & ID proof. & company Authorization	Y	
50	As built drawing (Soft copy)	Y	
51	Supervision during erection, testing & commissioning	Y	
52	Shut down availability as per schedule		Y
53	Any material required for earthing / control cable		Y
54	SCADA hook up and integration	Y	
55	Conveyance inside plant/ at site location premises for ETC manpower	Y	
56	Quarantine for COVID -19 charges _ Shall be extra (if any)	Y	
57	COVID-19 Test charges shall be extra (if any)	Y	
58	We have considered 1 visit for panel installation. For second visits travel days charges and travel charges shall be extra .	Y	
59	As per instruction team will reach at site for installation. If unfortunately shutdown postponed / cancelled then also service visit charges shall be applicable.		

Sr no	Testing at site	Supplier	TPCODL
1	Relay testing _ Modbus communication	Y	
2	CT & PT testing	Y	
4	CB time test	Y	
5	Functional test of panel	Y	
6	HV test of panel	Y	
6	Test Reports	Y	