

NIT No.: TPNODL/OT/2021-22/230 dtd. 21.03.22

SL/NO	Pre-Bid query	TPNODL Response
1	Sl. No. 1. of ANNEXURE I (Schedule for Items) 2 POLE meaning 2-Phase Type ?	2 pole means 2 post insulator per phase
2	Sl. No. 4. of ANNEXURE I (Schedule for Items) is it 2-Post/3-Post Type ? Not mentioned (Drawing showing both Types)	3 post insulator per phase.
3	Sl. No. 5. of ANNEXURE I (Schedule for Items) is it 2-Post/3-Post Type ? Not mentioned (Drawing showing both Types)	3 post insulator per phase.
4	Sl. No. 6. of ANNEXURE I (Schedule for Items) is it Horizontal/Vertical Type ? If Vertical type then is it 2-Post/3-Post Type ? Not mentioned (Drawing showing both Types)	It is Horizontal.
5	Sl. No. 7. of ANNEXURE I (Schedule for Items) is it Horizontal/Vertical Type ? If Vertical type then is it 2-Post/3-Post Type ? Not mentioned (Drawing showing both Types)	It is Horizontal.
6	Sl. No. 11. of ANNEXURE I (Schedule for Items) : T.S NOT FOUND	Document number ENG-EHV-044
7	Sl. No. 12. of ANNEXURE I (Schedule for Items) : T.S NOT FOUND	Document number ENG-EHV-044
8	Sl. No. 14. of ANNEXURE I (Schedule for Items) : 2 POLE meaning 2-Phase Type ? (Drawing showing 3-Phase Type)	2 post insulator per phase.
9	S/W full form ?	Switch
10	<u>For Horizontal Type 11kv 200A 2-Pole</u> : Size of Terminal Connector are not clear from T.S. Size mentioned in Sl. No. 43, as 80x75x8 mm in G.T.P, but it is also mentioned, Terminal connectors for both movable and fixed should be of copper flats of same size similar to that of moving contact blade", which is 35x6 mm. Extra 4-bolted type Au. alloy connector to be provided which is not matched with Odisha design.	Material of the connector should be copper.
11	<u>For Horizontal Type 11kv 400A 3-Pole</u> : Size of Terminal Connector are not clear from T.S. Size mentioned in Sl. No. 43, as 80x75x8 mm in G.T.P, but it is also mentioned, Terminal connectors for both movable and fixed should be of copper flats of same size similar to that of moving contact blade", which is 50x8 mm. Extra 4-bolted type Au. alloy connector to be provided which is not matched with Odisha design.	Material of the connector should be copper.
12	Eye Hook : rod dia. mentioned 18 mm. Generally it is made of 12 mm M.S Rod as per our general idea.	Comply as per TS
13	<u>For Vertical Type 11KV 200A 3 Pole</u> : Fixed Contact size mentioned in drawing as 25x5 mm where as it is mentioned in G.T.P as 100 sq. mm. (C.D<2 A/mm ²). Size of Front Terminal Pad is mentioned in drg. as 130x6 mm but Back Terminal Pad size is not mentioned. Length of Sq. Bar is 1800 mm in drg. but in G.T.P it is mentioned as 2200 mm. Please confirm everything for our Drawing and costing.	Fixed contact size should be be 100 sqmm(Current density = 1 amp/sqmm)
14	<u>For Vertical Type 11KV 400A 3 Pole</u> : Fixed Contact size mentioned in drawing as 28x5 mm where as it is mentioned in G.T.P as 200 sq. mm. (C.D<2 A/mm ²). Size of Front Terminal Pad & Back Terminal Pad is mentioned in drg. as 30x5 mm. Length of Sq. Bar is 1800 mm in drg. but in G.T.P it is mentioned as 2200 mm. Other dimensions in drg. is not readable. Please confirm everything for our Drawing and costing.	Fixed contact size should be be 200 sqmm(Current density = 1 amp/sqmm)
15	<u>For Horizontal Type : 33KV200A & 400A</u> : Same problem like as 11KV mentioned in sl. no. 11 & 12.	Material of the connector should be copper & dia of eye hook should be 18mm
16	Technical Specification of AB S/W 11KV 200A 2 POLE HORIZONTAL is missing.	Document number ENG-HV-054
17	Technical Specification of AB S/W 11KV 400A 3 POLE GANG OPERATED is missing.	Document number ENG-HV-051
18	Technical Specification of ISOLATOR 11KV 1250A DOUBLE BREAK W/ES is missing.	Document number ENG-EHV-044
19	Technical Specification of ISOLATOR 33KV 800A DBLE BRK W/O ETH S/W is missing.	Document number ENG-EHV-044
20	As per technical Specification of 11KV AB Switch vertical (Documents No. ENG-HV-052) (Page No. 4 of 20), Current density of Copper required "<2Amps/mm ² " in S. No. 23 of General Technical Requirement. But as per technical Specification of 11kv 3 Pole AB GO Switch 200/400/630A (Horizontal Rotating Type) (Documents No. ENG-HV-051) (Page No. 4 of 20), Current density of tinned Copper required "<75x8mm for 630A = 1.05Amps/mm ² / 50x8mm for 400A = 1.00Amps/mm ² and 35x6mm for 200A = 0.95Amps/mm ² " in S. No. 29 of General Technical Parameters. As per TPNODL technical specification of Vertical Type AB Switch required Current density of Copper is 2 Amp/mm ²	Current density of copper is 1 amps/sqmm
NOTE - Current density of all the AB Switch should be 1 Amp/sqmm.		