

**Tender Enquiry No.: PCODL/P&S/100000193/21-22**

Tender : Open Tender Notification for Procurement of Transformer Differential Relay					Dated 18/04/2022											
Sl.No.	Section	clause no.	Description	Siemens queries/Remarks	TPCODL Response											
1	General Construction of IED	4.2 (PDF page -27 of 136)	The display should have minimum 4 pages to cater sequential values (positive, negative and zero) of voltages and current along with other important displayable parameters like total harmonic distortion of electrical parameters..	Our proposed relay shall support only harmonic measurement for Voltage and current through disturbance recorder which can be triggered manually. Pls note that, THD shall not be measured in DR, since this is Power quality requirement which needs CT input from Metering core as per general recommendation , but relays works from Protection core (PS class/5P10).please confirm	In siprotec series we can see this. This is required for identification of 2nd harmonic content during inrush.											
2	General Construction of IED	4.2 (PDF page -33 of 136)	Web HMI should be made available in the relay so that relay can be accessed from remote from computer browser.	Our proposed relay will be offered with license free software which can be used in any PC which is connected in the network to communicate to Relay using IP address.in this way it meets the requirement of web based HMI	Web HMI should be available											
3	General Construction of IED	4.2 (PDF page -34 of 136)	Forcing of all kinds of protection functions & Transient play back facilities in the IED software	In our proposed relay O/P contacted can be forced for testing purpose. Trnsient playback can be performed in any suitable type of test kit like Omicron CMC 356 etc.	Accepted											
4	General Construction of IED	4.2 (PDF page -38 of 136)	Virtual simulation of all kinds of protection functions (while relay is online and working and in service)	In our proposed relay O/P contacted can be forced for testing purpose. Protection function simulation option is not available. Please consider the same.	Highly recommended ( SCADA signal simulation) if required plz discuss											
5	General Construction of IED	4.2 (PDF page -29 of 136)	<table border="1"> <thead> <tr> <th rowspan="2">Voltage Level</th> <th colspan="2">Conventional Substation</th> </tr> <tr> <th>BCPU</th> <th>PU</th> </tr> </thead> <tbody> <tr> <td>11kV</td> <td>BI-20 BO-10</td> <td>BI-20 BO-10</td> </tr> <tr> <td>33kV</td> <td>BI-24 BO-12</td> <td>BI-16 BO-10</td> </tr> </tbody> </table>	Voltage Level	Conventional Substation		BCPU	PU	11kV	BI-20 BO-10	BI-20 BO-10	33kV	BI-24 BO-12	BI-16 BO-10	20DI & 10 BO is required for Differential relay. Please confirm	Accepted
Voltage Level	Conventional Substation															
	BCPU	PU														
11kV	BI-20 BO-10	BI-20 BO-10														
33kV	BI-24 BO-12	BI-16 BO-10														
6	Scope	Pg. 23. Cl. 1.0 Annexure II	complete with all accessories including supply, installation, testing and commissioning of efficient and trouble free protection system.	As per the tender price schedule we understand this is supply only tender for Transformer Relays. Hence any scope related to unloading, installation, testing, commissioning is excluded. Please confirm	All in Bidder Scope as per Clause 1.0											
7	Fiber Optic Cable & CAT VI Cable	Pg. 39. Cl. 4.3 & 4.4 Annexure II	Optical Fiber Cable and CAT VI Cable	As per the tender price schedule we understand this is supply only tender for Transformer Relays. Hence any scope related to supply of any other component like Fiber Cable / Cat VI Cable or any other accessory is excluded. Please confirm	Not Required											
8	Warranties	Pg. 45. Cl. 8.0 Annexure II	In the event any defect is found by the Company up to a period of 84 months from the date of commissioning supplier all be liable to undertake to replace/rectify such defects.	1. We request to accept 60 months warranty in line with market standard instead of 84 months. 2. We request to accept warranty from date of supply instead of date of commissioning in line with market standard.	As per Clause 8.0; Period of warranty starts from Date of Commissioning.											
9	Training	Pg. 46. Cl.11.0 Annexure II	Training	We request to exclude the training from scope of work as this is supply only tender of small quantities of relays. Please accept.	Included as per Clause 11.0											
10	Spare Relays	Pg. 48. Cl. 15.0 Annexure II	Spares for Project job for New Grids / Bay Extension	As per the tender price schedule we understand this is supply only tender for 17 nos. of Transformer Relays . Spares relays mentioned against this clause are not applicable to this requirement and are excluded. Please confirm	As per clause 15.0											