

## Prebid Queries Responses

Tender : RC for SITC of 33 &amp; 11 KV CRP at TPCODL, TPNODL, TPWODL &amp; TPSODL

Tender Ref: TPCODL/CCG/23-24/1000000548

Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
1	Clause no.-5, Page No-15 of 31	GENERAL CONSTRUCTIONS:- Indoor type and outdoor type	Please specify clearly, which type of construction is to be consider for all panels.	SITC shall include the installation and associated works for the new panels as per tender BOQ
2	Clause No. 18 Spares, Tools and Accessories	Spares, Tools and Accessories	Please share spare list	<b>20 % Spare</b>
3	Annexure I, Price Schedule	CR Panel for FDR Protection for 11KV VCB. (11 kV Line)	Detail Bill of Material required	In detailed Engineering Stage (Feeder CRP shall have one IED) (Transformer CRP shall have 2 IEDs Main & Back-Up) (2 dedicated TCS Relay for 2 Trip Circuits)
4	Annexure I, Price Schedule	CR Panel for TFR Protection for 33KV VCB	Detail Bill of Material required	In detailed Engineering Stage (Feeder CRP shall have one IED) (Transformer CRP shall have 2 IEDs Main & Back-Up) (2 dedicated TCS Relay for 2 Trip Circuits)
5	Annexure I, Price Schedule	33KV CR Panel for IC/OG. (Line)	Detail Bill of Material required	In detailed Engineering Stage (Feeder CRP shall have one IED) (Transformer CRP shall have 2 IEDs Main & Back-Up) (2 dedicated TCS Relay for 2 Trip Circuits)
6	Clause no.-4.18, Page No-15 of 31	Ethernet Switch & its associated accessoris.	We understand that any type of Ethernet Switch & its associated accessoris is not applicable in the tender.	Ethernet Switch not in Supplier's scope
7		CAT-VI	We understand that CAT-VI is not applicable in the tender.	CAT-VI cable not in Supplier's Scope
8	Clause no.-4.17, Page No-15 of 31	FO Optical cable	We understand that FO Optical cable is not applicable in the tender.	FO Cable not in Supplier's Scope
9	Clause no.-4.19, Page No-15 of 31	Energy meter- Provision for installation of TVM	We will consider only space for TVM in our panels.	Accepted
10	Clause no.-5.B, Page No-16 of 31	Indoor type panel shall be designed for IP55 rating.	For Indoor type panel DOP shall be IP53, please accept	This shall be as per TS
11	Clause no.-4.3.2, Page No-10 of 31	Transformer trouble alarm/ Trip e.g. Bucholz PRO / Winding Temp / Oil Temp etc. shall be taken as binary inputs through aux relays to the differential IED as a common input indicating "Transformer trouble" . However, auxiliary Flag relays / TMU (Transformer monitoring unit) shall be provided independently for Transformer trouble and trip along with the panel.	Any TMU is not applicable for present tender as per our understanding. Pls clarify	TMU not in Supplier's scope
12			Please confirm the brief Scope of work in case of Installation job.	Complete SITC in scope of supplier ( Excluding Mechanical/Civil Work)
13			Annunciator, Mimic, Semaphore requirement not specified. Please confirm whether same is required or not, if required please provide details of same.	Not in Supplier's Scope

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1	---	---	Please confirm the approved Numerical relay makes and models	<b>Siemens (7SR5421,7SR5111) /Schneider (F50) ABB( REF 620, RET 620) /GE</b>
2	---	---	Tentative number of sites along with Zone details (i.e TPCODL,TPNODL, TPWODL & TPSODL) for supply of all control & relay panels	Delivery location shall be mentioned with each RO by respective DISCOM.
3	Clause 1.1, Page number 4 of 32	Scope of work: Installation Testing & Commissioning (ITC) of Control Relay Panel	With respect to installation work to be done, please confirm whether old panels to be removed and new panels are to be installed or only New panels to be installed in Substation?	SITC shall include the installation and associated works for the new panels as per tender BOQ. Shifting of Old panels (if any) shall be done by respective DISCOM
4	---	---	Please provide General Conditions of Contract - GCC	GCC is already shared with tender document in Ariba link and Website.
5			Please confirm availability of cable trench in substation to install the panels in substation	Cable laying provision shall be made available at site
6			Please confirm, Panel earthing is in your scope or in bidder's scope?	It is in scope of Supplier
7			Please confirm, Cable schedule preparation and cable laying to primary equipments to supplied panels are in whose scope?	Cable Laying not in Scope of Supplier. Termination in Scope of Supplier.
8			Please confirm, Relay setting inputs to be provided by Tata Power	It shall be provided by Tata Power
	<b>Clause No / Page No</b>	<b>Description as per Bid Document</b>	<b>Remarks - Query / Clarification</b>	<b>TP Odisha DISCOM Response</b>
	4.4 & 14/31	xxi: Device order code of 11kV IEDs (BCPUs & PUs) must have same order codes irrespective of panel types for better IEC61850 project management and one to one replacement. For 11kV panels both BCPUs and PU order code will be the same. Device order code of 33kV & 11kV BCPUs must have same order code for better IEC 61850 project management and one to one replacement.	We shall be provided feeder protection relay with same ordering code for both 11kV and 33 kV line CRP. However, transformer differential relay ordering code No. shall be different for transformer protection panel. We request you to accept the same.	Accepted
	4.5 & 14/31	GPS Clock	Please confirm that whether GPS clock shall be in bidders scope.	Not in supplier's Scope
	4.17 & 15/31	Between Control Room and Switchyard/Switchgear Room: 4 Core, 62.5/125 micro metre Multi-mode, Loose tube, Jelly filled, Armoured Fibre optic cable within Control Room: 2 Core, 623/1251.7m Multi-mode Fiber Optic Patch Cord.	Please confirm that whether Fibre Optic cable shall be in bidders scope.	Not in supplier's Scope
	4.18 & 15/31	4 Pairs, 23 AWG Solid Bare Copper Conductor, PE Insulation, Unshielded Twisted Pair (UTP) with separator and PVC Outer Jacket It should be designed to the ANSI/TIA-568-C.2 ISO IEC 11801 Category 6 requirements and transmit data at 1000 M bps (-1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T 1000BASE-TX (Gigabit Ethernet).	Please confirm that whether CAT VI cable shall be in bidders scope.	Not in supplier's Scope

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	5 & 16/31	Panel Fabrication wise CRPs are classified into 2 Types : A) Outdoor Type CRP: It shall comply to all technical requirement of indoor CRP .Additionally it shall also comply to following requirements: Outdoor type panel shall be designed for IP65 rating. B) Indoor Type CRP: Indoor type panel shall be designed for IP55 rating. 11KV/ 33KV control and relay panel. Following features to be ensured. BA to supply Indoor type CRP only, unless Outdoor CRP is specifically mentioned in Tender.	1) Please provide us Quantity bifurcation of Indoor & Outdoor type for Price submission purpose. Same as not specified in BOQ. 2) For Indoor application, the various components mounted on front door of the panel i.e. Relays, Switches, MFM, Lamps etc., shall be of degree of protection IP-5X confirmed by manufacturers. However, our offered enclosure is suitable for IP 55 protection without front components.	Tender is only for SITC of Indoor type CRP
	4.2 & 5/31	Merging units shall perform the diagnostics of their state. In case of internal failure, samples are	We understand that any Merging unit based system or process bus is not applicable under present tender.Further any PTP based time is required mainly in case of Merging Unit solution only,so the same will also be not applicable	MU not in Supplier's scope
	4.3.2 & 10/31	Transformer trouble alarm/ Trip e.g. Bucholz PRO / Winding Temp / Oil Temp etc. shall be taken as binary inputs through aux relays to the differential IED as a common input indicating "Transformer trouble" . However, auxiliary Flag relays / TMU (Transformer monitoring unit) shall be provided independently for Transformer trouble and trip along with the panel	Any TMU is not applicable for present tender as per our understanding.Pls clarify	TMU not in Supplier's Scope
	5.7 & 20/31	Annunciation	Kindly confirm the details for Annunciation if required	Not in supplier's Scope
	5.9 & 21/31	Ammeter and Voltmeter: Ammeter selection switches shall have make-before-break type contacts so as to prevent open circuiting of CT secondary when changing the position of the switch. Voltmeter transfer switches for AC shall be suitable for reading all line- to-line and line-to-neutral voltages for non-effectively earthed systems and for reading all line to line voltages for effectively earthed systems.	Kindly confirm the details for Ammeter, Voltmeter if required	Not in supplier's Scope
		Site scope	We understand that any type of civil work,cable supply, laying & termination work is not applicable under present tender	Not in supplier's Scope
	13.3 Page 16/32	Payment Terms: ITC Part: 100% Payment shall be made within 60 days after successful installation and commissioning of the equipment and submission of error free & duly certified invoice	Based on our experience during execution of previous order, we request you to elaborate on the ITC Billing procedure along with final authority for realisation of payment within the schedule mentioned in the tender. Further we would request you to consider MoM along with Invoice copies prepared on completion of ITC work and signing of competent authority ( request you to share the details of concerned authority).	Payment terms shall remain same as per tender terms & conditions. Invoice of ITC shall be submitted after verification & authorized sign of EIC. Details of EIC shall be shared along with RC/ RO.

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12	8.6 Page 26/31	8.0 Type test Certificate 8.6 Ingress Protection : Type Test for IP66	As per Clause no. 4.2 & Page No. 5/31 Enclosure protection shall be IP54 from front and IP 20 from rear. All the necessary wirings to be terminated at the back of the relay with sufficient comfortable spacing so that wiring and testing becomes very easy for working personnel.  The Manufacturer of Numerical relay has confirmed that the offered relay shall be suitable for IP54 Ingress of Protection from front. Kindly confirm.	CRPs meant for Outdoor Application shall have IP66  Indoor CRPs shall be IP55  TTR of the same is mandatory