

TP Central Odisha Distribution Limited
Open Tender- - RATE CONTRACT FOR DESIGN-ENGG, MANUFACTURE AND SUPPLY OF 1000 KVA, 11/0.433 KV COMPACT SUBSTATION
Tender Enquiry No.: TPCODL/ P&S/ 1000002094/ 25-26

Response to Pre-Bid Queries

SL No	Page No.	Clause no.	Clause description	Deviation details	TPCODL Response
1	31 of 192	1	1. SCOPE This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at store/site and performance of Compact type substation comprising an enclosure containing high voltage switchgear, transformer and low voltage switchgear. The transformer shall be of 1000 kVA for 1000kVA CSS.	Supply of 11kV CSS shall be as per Clarifications / Deviations listed below and enclosed Scope of Supply (BOQ/BOM). CSS Unloading, Installation, Erection, Testing and Commissioning is not in our scope. However, we will depute our engineer at site for supervision activities of ETC on chargeable basis, if needed Supervision charges will be furnished separately. External Cables, lugs and cable glands, Earthing & plinth are not considered in our scope.	Noted ; However contract to respond about the exact scope of work.
2	6 of 192	2	2.1 Price Variation Clause: The prices shall remain FIRM during the entire contract period.	To comply with the tender, we need to maintain price validity for 120 days. After receiving the Rate Contract (RC), we must hold the set price for one year while awaiting the firm Purchase Order (PO). This results in holding a firm price for 485 days (365 days for the year plus 120 days for tender validity), which is challenging without a price variation clause. Other Tata Power utilities mitigate this risk by including a price variation clause or by providing firm quantity inquiries. Therefore, we request the customer to accept a price variation clause in the tender or provide firm quantity commitments.	shall be as per tender specification
3	31 of 192	2	2. APPLICABLE STANDARDS	Our CSS refers following standard, we are not confirming any other standard, IEC 62271 – 200 A.C. metal-enclosed switchgear and control gear for rated voltages above 1 kV and up to and including 52 kV IEC 62271-1 Common clauses for high-voltage switchgear and control gear standards IEC 62271-202 High Voltage / Low Voltage prefabricated substation IEC 62271 -100 High-voltage alternating current circuit-breakers IEC 60071 – 1 Insulation co-ordination for equipment in three-phase systems above 1 kV IEC 60529 Degree of protection provided by enclosures (IP-code) IEC 62271 – 102 Alternating current disconnectors (isolators) and earthing switches IEC 60282 – 1 Current limiting fuses IEC 61243-5 Working under voltage - Voltage detectors – Part 5: Voltage detection systems IEC 60044 -1 Current transformer IEC 60044 -2 Voltage transformers IEC 62265 –2 : 1988 H.V. Switches (Load Breaker Switch) IS11171-for Dry type transformer	Noted but as the Distribution Transformer is Oil Immersed instead of Dry type Please Refer IS 1180 : Oil immersed distribution transformer upto and including 2500 kVA
4	32 of 192	3	1 Maximum ambient temperature 50 deg C	Derating shall be applicable 630A @ 40Deg // 600 @ 45DegC // 565A @ 50Deg C	Noted
5	33 of 192 37 of 192	4 5.1	8 Degree of protection Transformer Compartment:- IP23 HV Compartment:- IP54 LV Compartment:-IP54 iv) Degree of Protection for the HV compartment, Transformer compartment and LV compartment shall be IP54, IP34 and IP54 in accordance with IEC recommendation.	We are offering degree of protection : IP54 for HT & LT Switchgear enclosure IP23 for Transformer compartment	Noted

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6	33 of 192 34 of 192	4	10 Maximum permissible temp. for any accessible part of the enclosure maximum permissible temperature shall not exceed 70°C at an average ambient temperature of 40°C 23 Max. permissible temperature Maximum permissible temperature rise for bus bar shall not be 65°C at an ambient temperature not exceeding 40°C, as per IEC 62271-1. However, the temperature rises for accessible enclosures and covers shall not exceed 30K and in case, they are not required to be touched during normal operation, the limit shall be raised by 10K	We are offering class K10 Enclosure. Oil type Transformer having Permissible temperature rise over ambient temp is as below: i) top oil measured by thermometer -40 Deg.C ii)winding measured by resistance -45 Deg.C	Please note ambient temperature in summer is nearly 50 Degree Centigrade
7	33 of 192 37 of 192	4 5.1	Minimum thickness of GI sheet a) All Sides & Top -2mm b) Base -4mm The enclosure shall be made of minimum thick MS sheet steel at sides should be 2MM with a base of 4 mm (min.) & Top 3MM, tropicalized to meet Indian weather conditions. The base of the enclosure shall ensure rigidity for easy transport and installation.	Our offering shall be in line with our Type tested design of CSS. Wherein, we have offered Outdoor 2mm thick GI sheet enclosure for the load bearing members mounted on PU Painted ISMC channel base frame 100x50x4mm and without heat dissipation. LV enclosure will be CRCA .	Noted
8	33 of 192 38 of 19	4 5.1	15 Paint PENTON E2727C / RAL 7032 ix) PAINT:	We are offering our standard product paint shade as per below. Paint shade: Pure Polyester Powder coated RAL 7032 for CSS except roof ; RAL 5021 for roof.	Noted
9	35 of 192	4	27 Degree of protection for RMU a. IP 67 for the tank and b. IP2X for the front cover / mimic board c. IP 54 (Main door closed) for Outdoor RMUs. d. IP 54 for cable compartment The RMU metal parts shall be 2.0 mm thickness high tensile steel which must be shot blasted, spray galvanised with minimum thickness of 30 micron and subsequently powder coated. The overall Paint thickness shall be 125 microns (No negative tolerance is allowed)	Our offered Enclosure for RMU with Degree of protection : IP3X with 2MM Sheet Thickness Paint: RAL 7032 Thickness: 100 microns +/- 25 Micron Standard	Noted

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10	35 of 192	4	37 Doors and Cable covers Design of RMU shall be tamper & arc proof. Anti- vandal screws shall be provided. Cable covers shall be pad lockable. All live parts / test bushing etc shall be covered with antitheft covers. Hinged doors shall be provided with riveted hinges only such that they are not visible from outside and hence not removable.	Shall be offered as per Siemens standard design.	Noted
11	33 of 192 34 of 192	4	38 Make of Relay Suitable numerical relay with necessary elements or any other as per Purchaser's approval (Make-as per TPCODL/TPSODL/TPNODL/TPWODL RMU specification)	Please share approved make list of TPCODL/TPSODL/TPNODL/TPWODL.	Preferable make of Relay _ Siemens /ABB For any other make , Kindly take approval prior to manufacturing process.
12	37 of 192	C	5 Rated voltage LV 433 V-250V	Rated voltage of secondary of transformer 433V. We are not offering dual tap in secondary.	Noted
13	41 of 192	5.1	There shall be no bolting arrangement on the doors and sides (periphery) so as to avoid access of dust and water inside. The doors shall be Pad locked and/or lock protected to ensure theft prone locking arrangement.	Trafo compartment shall have Bolted Covers . Padlocking arrangement shall be provided, however the Lock shall be in scope of customer.	Trafo compartment _ Bolted cover is accepted and for other shall be decided during detailed engineering
14	40 of 192	E	6 Termination Kit 3M/Raychem	HT Cable Termination Kit (For incoming cable feeder) is not in our scope. However interconnection from VCB to Transformer is considered in our scope. (Applicable only for CSS)	Noted
15	55 of 192	C	5.3.21 MARSHALLING BOX AND PROTECTION	Not in our scope.	For the controlling and monitoring purpose , all the necessary control & signal wires to be terminated upto TBs
16	38 of 192		28 Wheels The transformer shall be provided with four unidirectional rollers with locking arrangement suitable for rail gauges in both the axis for movement of transformer in either direction. Distance between wheels shall be center to center 820mm.	To avoid transit damage, we are not offering roller in our scope. Transformer will be mount base frame of the CSS	Noted
17	37 of 192 46 of 192	60 5.2.10	60 Auxiliary contacts The breaker and LBS should have minimum spare (exclusively for TPCODL/ TPSODL/ TPNODL/TPWODL use) 4 NO+ 4 NC auxiliary contacts iii) The breaker & LBS should have minimum spare (exclusively for TPCODL/TPSODL/TPNODL/TPWODL use) 4 NO+ 4 NC auxiliary contacts.	Shall be offered Product standard Design. We are not offering non standard in our Scope.	At least 2 set of spare contacts is required other than internal use in the circuit & FRTU use.

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18	46 of 192	5	5.3 DISTRIBUTION TRANSFORMER	Shall be offered as per Transformer Vendors standard design.	Distribution Transformer Specification should meet the criteria as per Tendered
19	60 of 192	7	7.3 TYPE TESTS 8. TYPE TEST CERTIFICATES: Type tests should have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports, i.e. any test report not acceptable, same shall be carried out without any cost implication to TPCODL/TPSODL/TPNODL/TPWODL.	The offered Product is completely type tested as per standard IEC 62271-200. Available Type test reports will be provided during drawing approval. CSS Type test are beyond 5 years. Transformer available Type test shall furnished (equal or higher rating or conventional transformer type test) CSS Type test Summary attached for your reference. No fresh Type tests will be provided.	As per CEA Latest guidelines
20	36 of 192 63 of 192 63 of 194	17	48 Availability of spares , Assurance by bidder for 25 years 17.0 SPARES, ACCESSORIES, AND TOOLS	We have not considered spares, accessories & tools for any equipment.	Mandatory spare list to be submitted for the same and necessary tools like Operating handles and others if necessary shall be provided with Equipment.
21			General point	Offered RMU is 12KV, Indoor, Non Extensible, RMU (as per BOQ/BOM) with bottom explosion (for internal arc fault).	Noted
22			General point (Termination Kit)	HT Cable Termination Kit (For incoming cable feeder) is not in our scope. However interconnection from VCB to Transformer is considered in our scope. (Applicable only for CSS)	Noted
23			General point (Routine Test)	We shall carry out Routine Test as per our Quality Assurance Plan (QAP). QAP shall furnished at the time of detailed engineering drawing .	Noted ;However QAP to be reviewed and approved by Quality dept. during GTP & Drawing submission.
24			General point (Type Test)	Available Type test reports will be provided. No fresh Type tests will be provided.	Noted but mandate to submit Type test. And validation shall be as per latest CEA guidelines.
25			General point (Warranty)	We shall provide warranty of 36 months from the date of commissioning or 48 months from date the date of supply, whichever is earlier.	shall be as per tender specification
26			General point (Civil works)	Civil work is not in the scope of Siemens and quoted prices are exclusive of civil work. However, if required, CSS Civil foundation drawing shall be provided by us.	Noted . Foundation Plan /Drawing to be submitted during GTP & drawing approval.
27			General point (List of Make)	We are proposed following list make as below for in our CSS RMU - Siemens Oil Type Transformer - 630kVA (Powerstar/Nucon/PVJ/Eq.) LV Switchgear - L&T/C&S/Siemens/ABB/Eq. (ACB, LV product) All other Product - from Siemens approved vendor.	However type test reports for the transformer to be submitted during tender evaluation. Transformer rating should be as per TS
28			General point	Boughtout makes shall be finalized by Siemens, out of the makes proposed in the BOQ	all major items Should be type tested ; However for others ,any reputed make to be accepted.

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1	TPCODL / P&S/1000002094/ 24-25		Bids shall remain valid for 180 days from the due date of submission of the bid.	Bids shall remain valid for 60 days from the due date of submission of the bid.	shall be as per tender specification
2	TPCODL / P&S/1000002094/ 24-25		Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading & stacking at DISCOM site / store locations.	Our scope is limited to Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading store locations.	Prices shall be on FOR Basis, inclusive of Transit Insurance/ Packing & Forwarding charges and shall be inclusive of unloading at store locations.
4	TPCODL / P&S/1000002094/ 24-25		GENERAL CONDITIONS OF CONTRACT SUPPLY ORDERS	GCC shall be as per agreed commercial closure vide Tender No. TPCODL/CCG/23-24/030 & subsequent RC No. 4600001529	Deviation of GCC are as per Annexure- A enclosed here after. All other Terms and Conditions shall be as per SCC and GCC as mentioned in Tender document.
5	Additional Mandatory clause		<u>Integrity Provision & Trade Control</u>	The Parties shall comply, and shall ensure that their employees, directors, officers, affiliates and third parties engaged in any manner in relation to the Agreement to comply, with all applicable laws (including anti-bribery and anti-corruption laws, human rights, and sanctions and trade control laws and regulations). The Buyer further represents that it will not directly or indirectly sell, export, re-export, release, transmit or otherwise transfer any items received from ABB to any Restricted Parties, or parties that operate, or whose end use will be, in Russia, Belarus, or in a jurisdiction/region subject to comprehensive sanctions by the United States, European Union, or Switzerland. Restricted Parties refers to entities on a government list (incl. EU, Switzerland, and US) subject to blocking or asset freezes, or other trade or financial restrictions. Sanctions extend to entities that are directly or indirectly owned 50% or more, in the aggregate or individually, or controlled, by a Restricted Party. Any violation of this clause shall constitute a material breach of the Agreement and, in addition to any other remedies under the law and/or this Agreement, non-infringing Party shall be entitled to unilaterally terminate this Agreement with immediate effect and without liability for any claim, losses or damages whatsoever related to the termination.	Shall be as per tender specification

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1		2. APPLICABLE STANDARDS	IEC 62271-202-2006- HV switchgear and control gear- HV/LV Prefabricated Substation IEC 62271-200-2003- HV switchgear and control gear-AC Metal Enclosed 52kV IEC 60694-1996- IEC 62271-102-2003- HV switchgear and control gear- Alternating current disconnections and earthing switches IEC 60265-1-1998- Short Circuit Standards IEC 60529-1989- Degrees of protection provided by enclosures (IP Code) IEC 62262-2002- Degrees of protection provided by enclosures for electrical equipment IEC 60947-2007/ IS 13947-1993- Low voltage switchgear and control gear IEC 60439-1-1999- Low-voltage switchgear and control gear assemblies- Type tested and partially type tested assemblies IEC 60255-3-1989- Electrical relays - Part 3: Single input energizing quantity Measuring relays with dependent or independent time IEC 60044-1-1996 / IS 2705-1992- Current Transformers IEC 60044-2-1997 / IS 3156-1992- Voltage Transformers IEC 60376-2005- High-voltage prefabricated switchgear and control gear Voltage presence indicating systems IS 2629-1985- Tests for uniformity of zinc coating IS 1180- 2014- Oil immersed distribution transformer upto and including 2500 kVA	Reference standards followed shall be as per latest version of IEC standards	Noted
2		3. CLIMATIC CONDITIONS OF THE INSTALLATION:	1 Maximum ambient temperature 50 deg C	RMU shall be mounted inside CSS enclosure and thus, RMU shall be serving 630A at 40DegC. Also, beyond that de-rating shall be applicable and the de-rated current shall be 580A at 50DegC ambient. Kindly accept the same.	Noted but current requirements to be met for the 3 way configuration design.
3		4. GENERAL TECHNICAL REQUIREMENTS : 5.1 OUTDOOR ENCLOSURE	11 Minimum thickness of sheet a) Sides 2mm b) Base & Top 4mm & 3MM i) The enclosure shall be made of minimum thick MS sheet steel at sides should be 2MM with a base of 4 mm (min.) & Top 3MM, tropicalized to meet Indian weather conditions. The base of the enclosure shall ensure rigidity for easy transport and installation.	Outdoor type enclosure having construction of Galvanised Sheet Steel having 2mm thickness for Non-load bearing & 2 mm for Load bearing partition sheets & Door with HRCA 4 mm base frame and Top of enclosure shall be 1.5mm as per our type tested product design. And we can provide upto 2mm.	As per TS
4		4. GENERAL TECHNICAL REQUIREMENTS :	34 Doors and Cable covers - Design of RMU shall be tamper & arc proof. Anti- vandal screws shall be provided. Cable covers shall be pad lockable. All live parts / test bushing etc shall be covered with antitheft covers. Hinged doors shall be provided with riveted hinges only such that they are not visible from outside and hence not removable	Shall be as ABB standard design	Design of RMU shall be tamper & arc proof

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5		5.1 OUTDOOR ENCLOSURE	i) The enclosure shall be made of minimum thick MS sheet steel at sides should be 2MM with a base of 4 mm (min.) & Top 3MM,	Outdoor type enclosure having construction of Galvanised Sheet Steel having 2mm thickness for Non-load bearing & 2 mm for Load bearing partition sheets & Door with HRCA 4 mm base frame and Top of enclosure shall be 1.5mm as per our type tested product design. And we can provide upto 2mm.	As per TS
6		5.3 DISTRIBUTION TRANSFORMER	5.3 DISTRIBUTION TRANSFORMER	Noted. We shall be offering ABB approved make of Powerstar / Equivalent Transformer. Type Test Reports shall be submitted during engineering stage.	Type Test and Performance report of DT to be submitted. For any other equivalent make, further assessment/evaluation will be done. If qualified then only can use.
7		5.4 LV COMPARTMENT	The Framework shall be covered from the front with GI sheet of thickness not less than 2 mm.	Framework of the LT panel shall be fabricated using CRCA sheet steel using 1.5/2mm thickness, instead of GI sheet of overall 2m	As per TS
8		8. TYPE TEST CERTIFICATES:	8. TYPE TEST CERTIFICATES: Type tests should have been conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports, i.e. any test report not acceptable, same shall be carried out without any cost implication to TPCODL/ TPSODL/ TPNODL/ TPWODL.	CSS Type tests are beyond 5 years, since there has been no design change in the offered CSS, the same Type test reports shall be applicable.	As per CEA Latest Guideline
9		General point	We shall carry out Routine Test as per our Quality Assurance Plan (QAP). QAP shall be furnished at the time of detailed engineering drawing.	Following Tests shall be performed by ABB i) Dielectric test on the HV interconnection - The purpose of a dielectric test is to qualify a device's ability to operate safely during rated electrical conditions and we are ensuring our XLPE cable is type tested. Since the offered interconnection cable is Type tested separately and also the HV switchgear and Transformer are Tested for Dielectric separately, there is no requirement of testing it repeatedly. ii) Test on auxiliary and control circuits iii) Functional tests iv) Verification of correct wiring Kindly note that site test shall not be in ABB scope. We can offer Supervision of Installation, Testing & Commissioning	QAP to be reviewed by Our Quality Team and as per TS all the tests to be carried out.
10		General point	Available Type test reports will be provided. No fresh Type tests will be provided.	Available Type test reports will be provided. No fresh Type tests will be provided.	Acceptance will be as per Latest CEA Guidelines
				ABB shall offer ABB RMU, ABB approved Transformer make with valid Type Test reports.	Noted
1	Technical pec. 5.1 OUTDOOR ENCLOSURE	12	The HV compartment shall comprise of one no. 3 Way, non-extensible indoor type, 11 kV RMU with 2 nos LBS and one no. circuit breaker as outgoing. Termination kits and Boots for RMU shall be supplied by the bidder as per TPCODL/TPSODL/TPNODL/TPWODL approved make	Please Provide Make list	Preferable make : Raychem/3M but it should be touch proof type
2	General		Approved Make	The HV compartment shall comprise — 3 Way Indoor type Ring Main Unit Transformer Compartment – 1000kVA Hermetically Sealed Type with Corrugated Tank The LV compartment shall comprise Approved Make List	Make of LV Switchgear shall be L&T/Siemens/ABB/Schneider electric, Other small items i.e. Indication lamps, TBs, L/R switches, TNC etc shall be of reputed make only.

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3	1.7 Qualification Criteria 3	Page No. 6	The bidder should have successful Type Test Report (TTR) conducted from CPRI / ERDA/ International Accredited Laboratory and shall furnish the same as a part of the Technical Bid. The type tests should have been conducted on the equipment / material of the same design and rating or with higher rating. The type tests should have been conducted within 5 years prior to the date of bid opening. Time period for type test can be extended by another 5 years as a special case, if there is no change in design / material of construction (MOC).	We shall submit the Transformer type test reports for the similar/higher rating. Hence we shall not conduct any type test/short circuit test on offered transformer. Kindly confirm the same.	Type Tested design of offered rating is acceptable.
	1.7 Qualification Criteria 3	Page No. 6	The bidder should have successful Type Test Report (TTR) conducted from CPRI / ERDA/ International Accredited Laboratory and shall furnish the same as a part of the Technical Bid. The type tests should have been conducted on the equipment / material of the same design and rating or with higher rating. The type tests should have been conducted within 5 years prior to the date of bid opening. Time period for type test can be extended by another 5 years as a special case, if there is no change in design / material of construction (MOC).	We will be Submit OEM HV compartment , The LV compartment Equipements / material type test reports for the similar/higher rating. Hence we shall not conduct any type test/short circuit test on offered transformer. Kindly confirm the same. The	Along with OEM Equipment , Type Test is mandatory for complete assembly also. Individual component/Equipment shall also be type tested. For details refer TS clause no 7.3
4	1.7 Qualification Criteria 6.	Page No. 7	The bid shall be accompanied by User's Performance Certificate issued from any Distribution Utility/ Reputed Private Organization engaged in Power Business/ State Govt. / Central Govt. or their undertaking(s) in support of satisfactory performance of their above materials supplied earlier.	We has supplied Same or Higher rating CSS to Reputed private Organaization Engged In Power Business (As EPC). This experience acceptable or else?	Acceptable for Qualification criteria purpose.
5	2.0 Evaluation Criteria	Page No. 7	The bids will be evaluated commercially on overall lowest cost on Total BoQ Basis as calculated in Schedule of Items [Annexure I] .TPCODL reserves the right to split the order line item wise, among maximum Two (02) Nos. Bidder. Hence all bidders are advised to quote their most competitive rates.	Please confirm Qty to be split	as per tender specification/ clause
6	2.1 Price Variation Clause:	page No. 8	The prices shall remain FIRM during the entire contract period.	Please Confirm. Request to accept PVC Clause	as per tender specification/ clause
7	7.5 Payment Terms	Page No. 14	On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to designated invoice portal. The payment shall be released within 60 days from the date of submission of certified bills/ invoices.	As we are a MSME approved vendor, we request you to accept the payment terms of 100% payment within 45 days from the date of receipt of material at site. Also we being a MSME vendor would like to have our bills discounted through TReds platform.	noted
8	7.6 LIQUIDATED DAMAGES		each delivery lot shall be considered separately. For delay of each week and part thereof, from the delivery schedule specified for the lot, 1% of the contract value corresponding to the undelivered quantity of the lot subject to a maximum of 10% of the total contract value of the subject lot	Please consider 0.5 % Per Week & maximum 5% the total contract value.	as per tender specification/ clause
9		General	Supervision (Man power)	Please confirm	Supervision is required during Installation, testing & commissioning.
10	General	Page No.	** MSMEs registered in the State of Odisha shall pay tender fee of Rs. 1,000/- including GST.	Applicable to All MSME ?	as per tender specification/ clause

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11	General	Page No. 1	EMD is exempted for MSMEs registered in the State of Odisha.	Applicable to All MSME	as per tender specification/ clause
12	General	4) Reservation for MSME	It shall be mandatory to procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements.	Please confirm. Applicable to All MSME ?	as per tender specification/ clause
13	17. SPARES, ACCESSORIES AND TOOLS	Page No. 63	The Purchaser may order all or any of the spare parts listed at the time of contract award and the spare parts so ordered shall be supplied as part of the definite works	Spare To be provide Chargeble Base Or else ?	spare to be provided chargeble basis . However, bidder shall provide one no. SF6 gas leak indicator & one no. phase comparator as per spec. attached
				Presently we have not quoted for special tools, spares/accessories.	Operating Handles for operating ACB, RMU part to be provided by Bidder. If anything extra required that has to be declared by Bidder.
14	General		Mandatory Spare	Please Provide Mandatory Spare List	Mandatory sparelist recommendation to be provided by Bidder
15	17. SPARES, ACCESSORIES AND TOOLS	63	The bidder shall also provide the required quantity of 11kV cable whenever the same is asked for by the Purchaser	Cable Supply Scope not in BA account	Noted
16	5.3 DISTRIBUTION TRANSFORMER 5.3.1 GENERAL	46	The transformer shall be double-wound, copper coil, oil immersed, naturally cooled (ONAN) and hermetically sealed type with corrugated tank. The transformer shall be suitable for service with fluctuations in supply voltage up to plus 12.5% to minus 12.5	Please confirm Transformer Type (Oil Immersed Natural Cooled)	Yes (ONAN type) and hermetically sealed

Note:

This document shall be an integral part of the tender and bidder shall submit signed/stamped copy of this document along with technical bid, as a token of acceptance. The tender document stands modified only to the extent stipulated herein above in this document. All other terms & conditions shall be strictly followed as per Bid documents.