Title	**:**	**Pre Bid Clarifications - IV**
EMPLOYER	**:**	**REC Transmission Projects Company Limited**
Project	**:**	**Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33-33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".**
Tender Specification No.	**:**	**RECTPCL/PIA/JKPDD/SS -02**
e-Tender Event No-	**:**	**RECTPCL/17-18/ET/7 [137037]**

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	Employer's Reply
Pre Bid Queries related to General Terms & Condition (Commercial):-				
1.	Type Test	GTR pg 339/1105	As refer to GTR pg 339/1105 on type tests. For GIS it is mentioned as 10 years but for instrument transformer 5 years. Trust IT refers to AIS equipments. Please confirm.	Please refer **Amendment-5** in this regard.
2.	Qualifying Requirement		Tender Document needs clarity on Type Testing of GIS Equipment.	Please refer **Amendment-4** in this regard.
3.	Price schedule	HSN/SAC Code	Since it is a lumpsum turnkey project so instead of HSN code SAC code shall be applicable for supply portion also. Hence SAC code of lumpsum turnkey contract shall be applicable for all items. We request you to change price schedule accordingly.	Provisions of Bid document shall prevail.
4.	Defect liability period	The Defect Liability Period: (i) **Forty Eight (48) months** from the date of Taking Over/Completion of Facilities for 220kV and 33kV voltage level GIS Circuit Breaker bay* to be supplied by the manufacturer who have established manufacturing/testing facilities for 220kV or above voltage level Gas Insulated Switchgear (GIS) in India based on technological support of Parent Company (Principals) or Collaborator(s) or Subsidiary Company as per the provision of bid document. (ii) **Sixty (60) months** from the date of Taking Over/Completion of Facilities for 220kV and 33kV voltage level GIS Circuit Breaker bay* to be supplied by the bidder from their Subsidiary or Group	We request to amend defect liability period of 12 months from the date of taking over for all equipments including GIS and transformer. Kindly confirm and amend said clause.	Provisions of Bid document shall prevail.

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		Company or a Joint Venture Company as per the provision of bid document. (iii) **Sixty (60) months** for (132kV/220kV/400kV Class) Transformer from the date of Taking Over/Completion of Facilities (or part thereof). For the purpose of this clause, the Measurable Defects as per the Technical Specifications shall also be considered for Transformer. (iv) Twelve (12) months from the date of Taking Over/Completion of Facilities for all equipment/materials other than those specified at (i), (ii) and (iii) above".		
5.	Limitation of liability		Limitation of liability is not capped anywhere. We request you to kindly cap it to 100% of the contract value.	Please refer **Amendment-4** in this regard.
6.	Section X:LT Transformer	Bidders may specifically note that transformers offered shall conform to dynamic short circuit test and dielectric test as per IEC: 60076. Test report for the same shall be submitted during detail engineering for approval.	No short circuit test shall be conducted and only calculation of dynamic short circuit shall be submitted. We request your confirmation on the same.	Bidder has to comply with the specifications of Tender Document.
7.	SECTION- XIX - TRANSFORMER (UPTO 400 KV CLASS)	5.4. **The validity of Type tests (except dynamic short circuit test) of Transformer shall be 5 years as on the date of NOA,** provided that offered transformer is of same design as that of type tested transformer and active materials like – CRGO, copper conductor and insulation material are of same or better grade with respect to type tested unit. Failing which, type testing of transformer shall be carried out by the contractor at his own cost. Further, type test report of Transformer from the same manufacturing plant shall only be acceptable. With regard to Validity of Dynamic short circuit test, refer clause 3.13 above.	We request you to amend the referred clause as below:- 5.4. **The validity of Type tests (except dynamic short circuit test) of Transformer shall be ~~5~~ 10 years as on the date of ~~NOA~~ Technical bid opening date ,** provided that offered transformer is of same design as that of type tested transformer and active materials like – CRGO, copper conductor and insulation material are of same or better grade with	Bidder has to meet the specification requirement.

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			respect to type tested unit. Failing which, type testing of transformer shall be carried out by the contractor at his own cost. Further, type test report of Transformer from the same manufacturing plant shall only be acceptable. With regard to Validity of Dynamic short circuit test, refer clause 3.13 above.	
8.	Interest bearing mobilization advance	Interest Bearing Advance (Optional*): Ten percent (10%)	We request you to please provide interest free advance.	Provisions of Bid document shall prevail.

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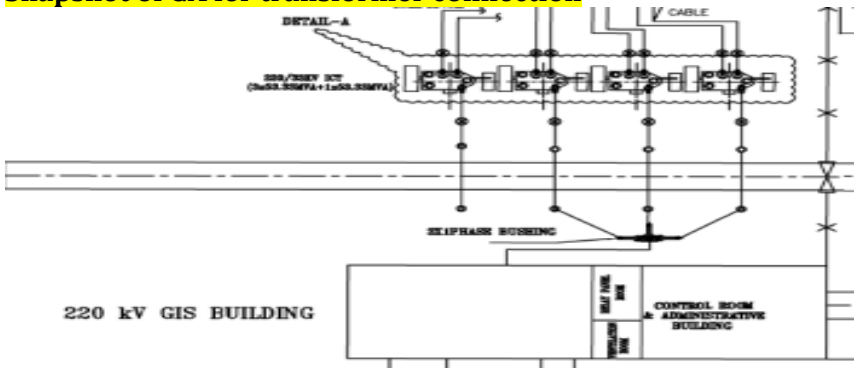
9.	Spare transformer switching scheme	**Snapshot of Section project Module description** (vii) Three nos.1-phase, 1600A, 40 kA, individual pole operated , isolator switches, complete with manual and motor driven operating mechanisms for switching of Spare ICT through 220kV Auxiliary bus . The isolator must meet the operational requirement in terms of Phase to Phase insulation withstand requirement for connecting the same to auxiliary bus. (viii) Gas monitoring devices, barriers, pressure switches UHF PD Sensors etc. as required. (viii) Local control cubicle. c) **245kV** Auxiliary Bus to connect spare unit of Transformer. (i) One number 1-phase (isolated) SF6 ducts inside GIS hall (up to outer edge of wall) for connection of spare unit with one ICT bay. (ii) One nos. 1-phases, 1600A individual operated safety grounding switches complete with manual and motor driven operating mechanisms. **Snapshot of GA for transformer connection** 	As per price schedule item no. B.1 (c') ; 220kV Aux. bus module is to be supplied to connect spare unit of transformer. As per section project, this module shall have Busduct upto inside edge of GIS hall. However, in order to perform the spare switching of transformer through Aux. bus using 1-Ph isolator, the spare transformer unit shall be connected to GIS module. Please furnish the 3 line diagram of Transformer switching scheme for better understanding.	Bidders are requested to refer **Amendment-6 (Technical)** in this regard.