

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

Pre Bid Queries related to General terms & Condition (Commercial):-

1.	31.3	The Employer reserves the right to vary the quantity of any of the spares and/or delete any items of spares altogether at the time of Award of Contract.	We request you to cap on the amount of variation. We suggest that the variation should be permitted up to 15%, beyond which it should be considered a change order that would be required to be mutually discussed.	The provisions of the Bidding Document shall prevail.
2.	7 (x)	CONTRACTOR’S GENERAL RESPONSIBILITIES: PATENT RIGHTS AND ROYALTIES	Please note that IPR indemnity shall be subject to contractor products not being modified, revised, or used in an unauthorized manner or used in combination with other product by Purchaser.	The provisions of the Bidding Document shall prevail.
3.	7(xv) :Spares	(a) The Contractor shall carry sufficient inventories to assure ex-stock supply of spares and same shall be supplied as promptly as possible but in any case within six months of placement of order. (b) It shall be mandatory for the Contractor to specify the unit rates and prices for the spares as specified in the Schedule of Prices. The RECTPCL, however, reserve the right,	We request you to cap on the amount of variation. We suggest that the variation should be permitted up to 15%, beyond which it should be considered a change order that would be required to be mutually discussed.	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

		during the execution of Contract, to vary the quantity of spares specified in the Schedule of Prices.		
4.	25 : EXTENSION OF TIME FOR COMPLETION	The Contractor may claim an extension of the Time for Completion, if the completion of the Works is delayed by any of the following causes: (i) Extra or additional work ordered in writing under Clause-32 hereof. (ii) Delay by any other Contractor engaged by the RECTPCL, which affects this contract materially. (iii) Any suspension of the works under Clause-23 hereof except when due to the Contractor’s default. (iv) Any force majeure conditions.	We would like to request you that bidder should also be reimbursed for costs incurred as a result of Delay by any other Contractor engaged by the RECTPCL, which affects this contract materially. We request for your confirmation on the same.	The provisions of the Bidding Document shall prevail.
5.	27: LD	sum equivalent to 1.0% of the Contract price plus GST payable thereon per week of delay or part thereof subject to a maximum of 10% of the Contract price plus GST payable thereon.	We request you to kindly revise LD rates to 0.5% per week with a cap of 5%	The provisions of the Bidding Document shall prevail.
6.	31 : DEFECTS	The provisions of this Clause shall	The warranties and remedies are conditioned	The provisions of Bid Document are amply

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	AFTER TAKING OVER	apply to all replacements or renewals carried out by the Contractor as if the replacement and renewals had been taken over on the date they were completed. The Defects Liability Period for the Works shall be extended by a period equal to the period during which the Works cannot be used by reasons of a defect or damage. If only a part of the Works is affected, the Defect Liability Period shall be extended only for that part. In neither case shall the Defects Liability Period be extended by more than twelve months.	upon (a) proper storage, installation (by properly certified installers or under the supervision of properly certified supervisors, if required), use, operation, and maintenance of Products, (b) Buyer keeping accurate and complete records of operation and maintenance during the warranty period and providing Seller access to those records, and (c) modification or repair of Products or Services only as authorized by Seller in writing. Failure to meet any such conditions renders the warranty null and void. Seller is not responsible for normal wear and tear. We request your confirmation on the same.	clear. The provisions of the Bidding Document shall prevail.
7.	36(iii)	The Contractor’s Risks are all risks other than those identified as the RECTPCL’s Risks.	Contractor risks should be clearly defined. This makes the ambit vague and broad.	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.
8.	37 : CARE OF THE WORKS AND PASSING OF RISK	(i) Contractor’s Responsibility for the Care of the Works. The Contractor shall be responsible for the care of the Works or any section thereof from the Commencement Date until the Risk Transfer Date	Bidder/seller cannot be responsible for the background work already carried out. bidder can only be responsible for the outstanding work being done by them and its impact, if any. Please accept the same.	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		<p>applicable thereto under Sub-Clause (ii) of this Clause.</p> <p>The Contractor shall also be responsible for the care of any part of the Works upon which any outstanding work is being performed by the Contractor</p>		
9.	37(v) : LOSS OR DAMAGE AFTER RISK TRANSFER DATE	<p>After the Risk Transfer Date, the Contractor's liability in respect of loss of or damage to any part of the Works shall, except in the case of gross misconduct, be limited:</p> <p>(a) to the fulfillment of the Contractor's obligations under Clause-31 hereof in respect of defects therein, and</p> <p>(b) to making good forthwith loss or damage caused by the Contractor during the Defects Liability Period.</p>	The general legal parlance is gross negligence or wilful misconduct. Please clarify which one do you mean	To be dealt on case to case basis and in this connection Employer is the sole judge.
10.	38 : DAMAGE TO PROPERTY AND INJURY TO	<p>(i) Contractor's Liability Except as provided under Sub-Clause (iii) of this Clause, the Contractor shall</p>	This period needs to be better defined. The start period needs to be defined.	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

	PERSONS	be liable for and shall indemnify the RECTPCL against all losses, expenses and claims in respect of any loss of or damage to physical property, death or personal injury occurring before the issue of the last Defects Liability Certificate to the extent caused by; (a) defective design, material or workmanship of the Contractor. (b) gross negligence or breach of statutory duty of the Contractor, his subcontractors or their respective employees and agents.	Also, keeping in view that the defect liability certificate may be granted piecemeal, depending on the work/scope ()clause 31(i)(a), our liability/indemnity has to be limited to the specific portion for which the defect liability certificate has not been granted only. Please add change shown in red	
11.	39 : LIMITATIONS OF LIABILITY: (I) LIABILITY AFTER EXPIRATION OF DEFECTS LIABILITY PERIOD	The Contractor shall have no liability to the RECTPCL for any loss of or damage to the RECTPCL’s physical property which occurs after the expiration of the Defects Liability Period unless caused by gross misconduct of the Contractor.	The general legal parlance is gross negligence or wilful misconduct. Please clarify which one do you mean	To be dealt on case to case basis and in this connection Employer is the sole judge.
12.	39 : LIMITATIONS OF	The RECTPCL and the Contractor intend that their respective rights,	We request you to modify the said clause as per change suggested in red	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

	LIABILITY: (I) LIABILITY AFTER EXPIRATION OF DEFECTS LIABILITY PERIOD	obligations and liabilities as provided for in these conditions shall alone govern their rights under the Contract and in relation to the Works. Accordingly, the remedies provided under the Contract in respect of or in consequence of: a) any breach of Contract, or b) any gross negligent act or omission, or c) death or personal injury, or d) loss or damage to any property are to be to the exclusion of any other remedy that either may have against the other under the law governing the Contract or otherwise.		
13.	45 : OWNERSHIP	Ownership of goods shall pass from the Contractor to the RECTPCL on arrival of the goods at site. However, such passing of ownership shall not in any way dilute the responsibility of the Contractor to insure the goods as per Clause-40 hereof and shall not absolve the Contractor	We request you to modify the said clause as per change suggested struck off.	The provisions of the Bidding Document shall prevail

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		of his obligations and liabilities under the Contract. The goods shall be handed over back to the Contractor for performance of services under the Contract for which Contractor shall submit an Indemnity Bond to the purchaser as per proforma attached at section-ix, volume-i.		
14.	Indemnity bond	form of indemnity bond to be executed by the contractor for the equipment handed over in one lot by(abbreviated name of the employer)..... for performance of its contract	We should indemnify for damage caused as a result of an act or omission on our part. We cannot indemnify for damage caused due to act or omission on part of the employer. We request your confirmation on that same and modify the INDEMINITY BOND accordingly	The provisions of the Bidding Document shall prevail.
15.	Indemnity bond	form of indemnity bond to be executed by the contractor for the equipment handed over in installments by(abbreviated name of the employer)..... for performance of its contract	We should indemnify for damage caused as a result of an act or omission on our part. We cannot indemnify for damage caused due to act or omission on part of the employer. We request your confirmation on that same and modify the INDEMINITY BOND accordingly	The provisions of the Bidding Document shall prevail.
16.	Type Test	<u>GTR pg 339/1105</u>	As refer to <u>GTR pg 339/1105</u> on type tests. For GIS it is mentioned as 10 years but for	There is no such provision in the existing bidding document. Please go thoroughly

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			instrument transformer 5 years. Trust IT refers to AIS equipments. Please confirm.	with the Bidding document.
17.	Qualifying Requirement		As refer to Technical QR <u>pg 54/1105</u> mentions "Type tested" as in our case we have to provide additional 10% PBG for the GIS portion as a part of JDU. We request you to kindly waive off the requirement of PBG and amend requirement of the additional BG.	Please refer para 1.1 of Section-III, Vol-I Qualification Requirement.
18.	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.	The provisions of the Bidding Document shall prevail.
19.	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	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.	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		<p>based on technological support of Parent Company (Principals) or Collaborator(s) or Subsidiary Company as per the provision of bid document.</p> <p>(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 Company or a Joint Venture Company as per the provision of bid document.</p> <p>(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.</p> <p>(iv) Twelve (12) months from the date of Taking Over/Completion of Facilities for all equipment/materials other than those specified at (i), (ii)</p>		
--	--	--	--	--

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		and (iii) above".		
20.	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 Clause no-39(i)(b), Limitation of Liability under Section –IV, Vol-I in this regard.
21.	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.
22.	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	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 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	Bidder has to meet the specification requirement.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

		manufacturing plant shall only be acceptable. With regard to Validity of Dynamic short circuit test, refer clause 3.13 above.	the same manufacturing plant shall only be acceptable. With regard to Validity of Dynamic short circuit test, refer clause 3.13 above.	
23.	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.
24.	Attachment-20	Attachment – 20: Affidavit signed and stamped with company seal by a full time Director/ CEO/ Chairman-cum-Managing Director and attested/ notarized by a Magistrate/ Notary for correctness of all the information/ details/ data/documentary evidences etc. as submitted by the bidder are correct.	Kindly provide format of atachment-20 as same is not found in tender document and amendment while it is required as per tender document	Bidder may use their own format.
25.	Clause No. 9 of ITB AND Clause No. 31.1 of	The Employer reserves the right to conduct e-Reverse Auction (e-RA) in accordance with clause 29.0 of ITB. Subject to ITB Clause 32, the Employer will award the contract to	Kindly confirm mode of finalization of order through L1 bidding or through reverse auction process.	It depends on the discretion of management of RECTPCL. This information will be shared before opening of Financial Bid.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	ITB	the successful Bidder (also referred to as the L1 Bidder)		
26.	Emd	EMD -BG	Since There is no change in tender specification number, We will submit the previously submitted EMD BG with amendment in validity as per tender requirement. We request you to kindly accept the same.	Bidder is required to submit fresh BG in lieu of EMD for this tendering process.
27.	DD		Since our previously submitted DD is still valid hence we shall submit the same DD. We request you to kindly accept the same.	Bidder is required to submit fresh DD in lieu of tender document fee for this tendering process.
28.	Special power of Attorney		Since our submitted SPOA is valid for tender validity period hence we shall be resubmitting the previously submitting SPOA. We Request you to kindly accept the same.	Accepted.
29.	Integrity pact and safety pact		We request your confirmation and acceptance of previously submitted integrity and safety pact.	Bidder is required to submit fresh integrity and safety pact for this tendering process.
30.	Integrity pact		We request you to please add following in the integrity pact as per legal advise. This bond shall be co-terminus with the contract signed between RECTPCL and GE.	Provision of bid document shall prevail.
31.	Form No. 16 Safety Plan Clause No. 14		Amount indicated for safety account in the mentioned clause is very high. We request you to kindly reduce it.	Provision of bid document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
32.	Clause No. 6 (i)/GCC/Page no. 9 of 42		Drawing approval and comments shall be given within 7 days from the date of submission of drawing. Please confirm	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.
33.	GCC/ CLAUSE No. 27		We request you to kindly revise liquidated damage to 0.5% to 5% of the delayed portion.	Provision of bid document shall prevail.
Following clauses are missing in the tender. We request you to kindly add following clauses:-				
34.		safety	contractor has no responsibility or liability for the pre-existing condition of purchaser’s equipment or the site. prior to contractor starting any work at site, purchaser will provide documentation that identifies the presence and condition of any hazardous materials existing in or about purchaser’s equipment or the site that contractor may encounter while performing under this contract. purchaser shall disclose to contractor industrial hygiene and environmental monitoring data regarding conditions that may affect contractor’s work or personnel at the site. purchaser shall keep contractor informed of changes in any such conditions.	Bidder may access the site and may provide the details regarding presence of hazardous materials (if any) at proposed site.
35.		lol & consequential losses	the total liability of contractor for all claims of any kind arising from or related to the	The provisions of Bid Document are amply clear. The provisions of the Bidding

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

			formation, performance or breach of this contract shall not exceed the total contract price. contractor shall not be liable for loss of profit or revenues, loss of use of equipment or systems, interruption of business, cost of replacement power, cost of capital, downtime costs, increased operating costs, any special, consequential, incidental, indirect, or punitive damages, or claims of purchaser for any of the foregoing types of damages. contractor shall not be liable for advice or assistance that is not required for the work scope under this contract.	Document shall prevail.
36.		termination and suspension by supplier for default in payments	there is no recourse available to the supplier in case timely payments are not received by supplier. supplier shall have the right to suspend performance and terminate contract at risk and cost of the employer in the event of default in payment by the employer.	The provisions of the Bidding Document shall prevail.
37.		nuclear use	the material/equipment/services sold by the supplier are not intended for use in connection with any nuclear facility or activity, and the purchaser warrants that it	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

			shall not use or permit other to use the material/equipment/services for such purpose, without advance written consent of supplier. if in breach of this, any such use occurs, supplier (and its parent, affiliate, suppliers and subcontracts) disclaims all liability for any nuclear or other damage, injury or contamination.	
38.	GCC/Clause 3/ Page 7 of 42	The Contractor shall not, without the prior consent of the RECTPCL, assign the Contract or any part thereof, or any benefit or interest therein or there under, otherwise than by: (i) A charge in favour of the Contractor’s bankers of any monies due or to become due under the Contract,	Please consider deletion of sub clause (i) of clause 3. Assignment of payables to bankers may be required for factoring, eventually increasing the cash flow of the project.	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.
39.	GCC/Clause 6 (i) / Page 9 of 42	“.....The Engineer-in-charge shall accord and convey the approval to the design calculation and drawings, if found in order, within 30(thirty) days from the receipt of the drawings from the	Please consider adding the following after this clause. “If no action is taken within the time frame as mentioned above, the documents shall be deemed to be approved.”	The provisions of Bid Document are amply clear. The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		Contractor. Otherwise he shall apprise the Contractor of his comments on such design calculations and drawings within the above mentioned period.		
40.	GCC/Clause 24 / Page 25 of 42	“.....The Contract shall become effective on the date of signing of Contract Agreement between RECTPCL & successful bidder. The effective date shall be considered as commencement date.”	Requested to kindly link commencement date with the access to site in clause 18 of GCC. The commencement date should start after the access and hand over of site to the contractor.	The provisions of the Bidding Document shall prevail.
41.	GCC/Clause 19 (vii) / Page 21 of 42	Clarification	Please clarify if the land / space for labour huts / housing shall be provided by the Employer.	Please refer clause no. 19 (i)- Engagement of Labour under Section- IV, Vol-I, General Condition of Contract in this regard.
42.	GCC/Clause 23 (i) / Page 24 of 42	Addition	Please add the following subclause : (d) Contractor shall have the right to suspend / slow the progress of works in case of delay in payment / obligations of the employer.”	The provisions of the Bidding Document shall prevail.
43.	GCC/Clause 27 / Page 26 of 42	“..... a sum equivalent to 1.0% of the Contract price plus GST payable thereon per week of delay or part thereof subject to a maximum of 10% of the Contract	Please consider the following change: “..... a sum equivalent to 1.0 0.5 % of the Contract price plus GST payable thereon per week of delay or part thereof on the balance portion of works subject to a	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		price plus GST payable thereon.”	maximum of 10 5% of the Contract price plus GST payable thereon.”	
44.	GCC/Clause 39 / Page 36 of 42	Limitation of Liability	Total Limitation of liability for the contract shall be maximum / limited to 100% of the contract value.	The provisions of the Bidding Document shall prevail.
45.	SCC/Clause 4 / Page 3 of 24	Indemnity	We request for introduction of reciprocal indemnity to be provided by the employer to contractor.	The provisions of the Bidding Document shall prevail.
46.	Appendix-3, Insurance Requirements	The Contractor shall take the policy in the joint names of Employer and the Contractor. The policy shall indicate the Employer as the beneficiary. However, if the Contractor is having an open policy for its line of business, it should obtain an endorsement of the open cover policy from the insurance company indicating that the dispatches against this Contract are duly covered under its open policy and include the name of the Employer as jointly Insured in the endorsements to the open policy	Please consider the following: “The Contractor shall take the policy in the joint names of and make the Employer as additional insured and the Contractor. The policy shall indicate the Employer as the beneficiary. However, if the Contractor is having an open policy for its line of business, it should obtain an endorsement of the open cover policy from the insurance company indicating that the dispatches against this Contract are duly covered under its open policy and include the name of the Employer as jointly Insured in the endorsements to the open policy	The provisions of the Bidding Document shall prevail.
47.	Appendix-7 GUARANTEES,	Clarity	A cap for the Liquidated Damages w.r.t non-performance is required. Further rejection of	The provisions of the Bidding Document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	LIQUIDATED DAMAGES FOR NON PERFORMANCE		the equipment may be deleted.	
48.	Payment		Kindly clarify whether Payment shall be done by RECPTCL or JKPDD	Please refer Clause-2.1 of Appendix-1, Procedure of Payment of the bidding document.
49.	Drawing Approval		Kindly clarify following:- 1. When Transfer of title will happen 2. Drawing approval time and approval by RECPTCL OR JDPDD?	In this regard bidder may refer following clauses for better understanding. 1. Please refer GCC clause no. 30 (i)- Taking Over. 2. Please refer GCC clause no. 6 - Drawing.
CLARIFICATION ON SCOPE OF WORK AND TECHNICAL SPECIFICATIONS:-				
50.	Tender SLD	Detail A for neutral formation	In the furnished SLD “Detail A’, only one LV neutral formation is indicated, we understand that separate neutral formation is to be done for both LV-1 and LV-2 of offered three-winding Power transformer. Please confirm.	Bidder may note that, Attached SLD with Technical specification is indicative. However your understanding that Separate LV neutral formation is required to be done is in order.
51.	Section-I, cl. No. 4.1.1.c Schedule-I item	220kV and 33kV Auxiliary Bus module to connect spare unit..	As per price schedule and section project, 220kV and 33kV Auxiliary bus module is to be considered for connection of spare transformer however the same is not	Bidder may note that, Clause No-4.1.1(c), Section – I, Vol-II and Price Schedule-1, item no. B.1.c is related to 220kV Auxiliary Bus module unit only to connect spare

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	no. B.1.c, C.1.d		indicated in furnished SLD.	transformer whereas Item no. C.1.d is related to Auxiliary transformer or LT Transformer bay module and not linked with spare unit connection. Please note that 33kV side of Power transformer is connected with HT Power cables to GIS. In case of spare transformer, Power cables will be connected on LV side of spare transformer and other side of the cables shall be kept ready for connection with any phase in GIS as detailed in clause no. 4.1.3 (h) of Section 1 Project, Vol-II.
52.	Schedule-I item no. E.2.c	Shifting and re-erection of existing panel of Mirbazar and Wagoora substation	Please clarify the work involved for shifting and re-erection of existing panel of Mirbazar and Wagoora substation. We understand that offered DPC is to be mounted in existing panel at Mirbazar and Wagoora end. Supply of new panel for DPC at remote end is not in bidder’s scope. Please confirm.	Bidders are requested to visit site and access the requirement for DPC and quote accordingly.
53.	Section-I, cl. No. 4.1.3.d Section-IV, cl. No. 3.09	For 33kV system, one BCU for two bays..... All numerical relays shall communicate to station SAS on IEC-61850 communication protocol. It is envisaged that these protection IEDs	As per section project, 1 no. BCU can be provided for 2 nos. 33kV feeders whereas in 33kV switchgear specification Bay control cum protection (BCPU) IED can be offered for feeders. Thus, we have considered BCPU for each 33kV feeders to meet the protection	Bidders are requested to refer clause no-4.1.3.d, Sec-I, Vol-II in this regard.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

		shall be used for CB control & monitoring of bay equipment.	requirement. Please confirm.	
54.	Section-IV, cl. No. 3.09.02 Section-I Annexure-I item no. VIII. 1.3	Numerical Line Protection Relay The relay shall have instantaneous as well as time delayed three over current (50) and one earth fault (50N) protection elements... Numerical distance relay Main I for 33kV : Set 1	As per 33kV line feeder protection requirement, O/C & E/F protection to be provided whereas under list of mandatory spares, distance protection IED is mentioned. We have not considered 33kV feeder distance relay as the same is not applicable. Please confirm.	Noted & Confirmed
55.	Section-I, cl. No. 4.1.3.e	For 33kV GIS Bays, the requirement & specification for complete control and protection system shall be as specified in Section-IV of Tech. Specs.	As per section project, 33kV relay and protection system shall be as per Section-IV (33kV GIS switchgear specification). Thus, 33kV feeders control and relay panel configuration mentioned under section 18 (control and protection spec) is not considered. Please confirm.	Noted & Confirmed
56.	Section XVIII, Clause 33	CONTROL PANEL	We have not considered conventional control panel for 220kV and 33kV feeders since BCU based system is offered in line with section project and price schedule. Please confirm.	Bidder may note that, Swing Frame Panel with Glass Door shall be required in line with TS requirement.
57.	Section XVIII, Clause 27	WEATHER PROOF RELAY PANELS	Please confirm this item is not applicable for this project	Bidder may note that, this item is not applicable.
58.	Section XVIII,	BUS BAR PROTECTION	We have considered centralized low	Provision of bid document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Clause 26		impedance busbar protection for 220kV system. Please confirm.	
59.	Section XVIII, Clause 22	TEE protection	TEE protection not considered in scope since 220kV system is with Double Main bus scheme. Please confirm.	Bidder may note that, TEE is not applicable here.
60.	Section XVIII, Clause 33	Configuration of relay and protection panels	We have not envisaged any ABT/Non ABT/ Tariff meter for offered 220kV and 33kV feeders. Only cutout, wiring and TTB for owner supplied 1 no. meter shall be considered in offered CRP and 33kV switchgear. Please confirm.	Provision of bid document shall prevail. Please refer clause no-33, Section-XVIII, Vol-II in this regard.
61.	Section XIX, Clause 1.2	Existing RSCC	We have not considered any modification works/augmentation works at RSCC in present scope of works, bidder’s scope is limited to providing the data up to substation gateway for interface with existing RSCC. Please confirm. Also, please share the details of existing RSCC like make, type , etc.	Bidders may note that, Bidder’s scope is limited to providing the data up to substation gateway under present scope of work.
62.	Section XIX, Clause 14, vi	LIST OF EQUIPMENTS	We have considered A4 type colour printer present scope. Please confirm.	Noted
63.	Section-XX Transformer specification cl. No. 14.2	Cabling of spare unit with isolator switching arrangement shall be in such a way that spare unit of transformer can be connected in place of faulty unit without physically	We have not envisaged switching of spare transformer unit through isolator as the same is not mentioned in section project nor listed in price schedule. We understand that spare ICT shall be manually connected to switched	Please refer tender Drawing no-RECTPCL/J&K/DRG/23 in Annexure-II, Section-I, Project, Vol-II. Bidder may note that, Clause No-4.1.1(c), Section – I, Vol-II and Price Schedule-1, item no. B.1.c is

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

		shifting and all the control, protection, indication signals of spare unit shall be brought in common marshalling box of all the banks.	phase. Please confirm.	related to 220kV Auxiliary Bus module unit only to connect spare transformer, item no. B.1. (f) is related to SF6 Air Bushing whereas Item no. C.1.d is related to Auxiliary transformer or LT Transformer bay module and not linked with spare unit connection. Please note that 33kV side of Power transformer is connected with HT Power cables to GIS. In case of spare transformer, Power cables will be connected on LV side of spare transformer and other side of the cables shall be kept ready for connection with any phase in GIS as detailed in clause no. 4.1.3 (h) of Section 1 Project, Vol-II. Please go thoroughly with the price schedule. Provision of bid document shall prevail.
64.	Section-XX Transformer specification, Annexure-G	Bushing CT details not available.	Please furnish the bushing CT requirement for 1-Ph 53.33MVA, 22/33/33kV Transformer as the same is not mentioned in Annexure-G of Transformer specification.	Please refer Table No-3 under Annexure-G to Section-XX, Vol-II thoroughly in this regard.
65.	Section-XX Transformer specification, Annexure-G	Neutral CT requirement	Please clarify whether external NCT is required to be provided for HV and LV side of Power Transformer, incase required then please revise the price schedule and furnish	Bidders may note that, External NCT are required in line with specification requirement and CT details are mentioned in Table no-3 in Annexure-G, Section-XX,

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

			the CT details accordingly.	Vol-II.
66.	Section XXI, cl. No. 1.1	Teleprotection & PMUs and for new technological requirements of Power System Operation such as Special Protection Scheme, Grid Security Expert System, Load Management.....	PMU supply and its integration to LDC/PDC is not considered in bidder’s scope. Please confirm.	Bidders may note that, PMU supply is neither applicable and nor in bidders scope.
67.	Single Line diagram, 160MVA, 220/33kV GIS S/s at Lassipora	Surge arrestor in 33kV GIS Transformer bay module	We observed that no surge arrestor has been shown either GIS type or AIS type for 220/33kV Transformer feeder module of 33kV GIS, hence same is not envisaged by us. Please confirm.	Bidders may note that, 33kV Surge arrestors are required for line feeders only and provision has been made accordingly.
68.	Section -1, Project. TECHNICAL SPECIFICATION, VOL-II, SEC-I Page 10 of 19	Sl. No. 4.1.3i) Auxiliary LT Transformers and associated equipment’s:- 250kVA, 33/0.433kV, Auxiliary Transformer with associated 36kV Isolators, with associated terminal connectors, Bus Post Insulators, conductor, clamps, connectors etc. complete in all respect for connection with GIS bay.	We observed that no surge arrestor has been shown either GIS type or AIS type for LT Transformer feeder module of 33kV GIS, hence same is not envisaged by us. Please confirm.	Bidders may note that, 33kV side of LT Transformer is directly connected to GIS through 33kV HT Cable, therefore, requirement of LA is not envisaged
69.	BPS, Schedule -1, Sl. No. C.2.ii	33kV Surge arrestors (1 Ph), 21 No.	Please note that 33kV Surge arrestors (1 Ph) qty. mentioned in BPS, 21 No. is not matching	Please go thoroughly with the BPS. It is amply clear.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			with the tender SLD. As per Single Line diagram, 160MVA, 220/33kV GIS S/s at Lassipora, only 18 No. 33kV Surge arrestors (1 Ph) is required. kindly confirm the requirement of 21 no. surge arrestors.	
70.	General	33kV Cable	we understand that 33kV cable is Earthed grade. Please confirm.	Please refer Section 12. Clause no. 2
71.	General	Heating requirement	We understand that Oil Type heat convectors to be provided to maintain indoor room temperature to satisfactory operation of following rooms: - a). Battery room b). GIS hall temperature as per Annexure -III. c). Control Room d). SAS room Kindly confirm whether our understating is correct.	Bidders may refer clause no-1.5, Section-XIII, Vol-II in this regard.
72.	Single Line diagram of 415V Main Switch Board	Incomer Cable size from 33kV Switchboard – 3R, 1Cx300 sq. mm. AL XLPE Cable from 33kV Switchboard to 250kVA Station Transformer – 33kV Voltage grade	We understand that single core single run per phase 300 sq. mm. AL XLPE Cable from 33kV Switchboard to 250kVA Station Transformer – 33kV Voltage grade to be considered by the bidder.	Confirmed

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			Please confirm.	
73.	Single Line diagram of 415V Main Switch Board	Incomer Cable size from 250kVA Trafo. To 415V Main Switch board- 7R, 1Cx300 sq. mm. AL XLPE – 1.1kV Voltage grade	We understand that two run per phase, single core 300 sq. mm. AL XLPE Cable + 1 spare run from 250kVA Trafo. To 415V Main Switch board – 1.1kV Voltage grade to be considered by the bidder. Please confirm.	Confirmed
74.	Make List		Please provide approved make list which can be considered for all equipments.	Please refer Annexure-IX, Section-I, Projects, Vol-II in this regard.
75.	Spare transformer switching scheme	<p>Snapshot of Section project Module description</p> <p>(vii) Three nos. 1-phase, 1600A, 40 kA, individual pole operated complete with manual and motor driven operating mechanisms for switching of Spare ICT through 220kV Auxiliary bus . The isolator must meet the operating requirement in terms of Phase to Phase insulation withstand requirement for connecting the same to auxiliary bus.</p> <p>(viii) Gas monitoring devices, barriers, pressure switches UHF protection required.</p> <p>(viii) Local control cubicle.</p> <p>c) 245kV Auxiliary Bus to connect spare unit of Transformer.</p> <p>(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.</p> <p>(ii) One nos. 1-phases, 1600A individual operated safety grounding switches complete with manual and motor driven operating mechanisms.</p>	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 outer edge of GIS hall. However, the connection of spare ICT unit to GIS Auxiliary bus through Busduct is not indicated in furnished layout. Please check and clarify the requirement and revise the layout accordingly.	Please refer tender drawing sl no- RECTPCL /J&K /DRG /23 in this regard.
		<p>Snapshot of GA for transformer connection</p>		

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15".
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER'S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

76.	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	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 respect to type tested unit. Failing which, type testing of transformer shall be carried out by the contractor at his own cost.	Bidder has to meet the specification requirement.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

		Transformer from the same manufacturing plant shall only be acceptable. With regard to Validity of Dynamic short circuit test, refer clause 3.13 above.	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.	
77.	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.
78.	Isolators for 33KV GIS		Isolator after the CB towards ICT/ Station transformer for 4 no. of feeder (2 Nos. of ICT feeders + 2os of station transformer) is not required as per the manufacturer switchgear standard type tested design (Schneider) , justification on the same has been attached here for your reference. (SLD :- 3-position disconnecter switch shall be provided for Bus Side only and the line side earthing shall be carried out through the	Provision of Bid document shall prevail.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			breaker. Hence, there is no requirement of separate line side isolator. Refer attached write-up on the same. Technical Specifications Vol-II, Section-I, 4.1.2 c) iii) & iv) : 3-position disconnect switch shall be provided for Bus Side only and the line side earthing shall be carried out through the breaker. Hence, there is no requirement of separate line side isolator. Refer attached write-up on the same.)	
79.	Price schedule1 & Page No. 271 of 1105	Part-C: Mandatory Spares & LIST OF MANDATORY SPARES Annexure-1 from Page No. 1 to 7	We understand that Mandatory spares as per Part-C: Mandatory Spares mentioned in Price schedule1 In line with Tender specification LIST OF MANDATORY SPARES Annexure - 1 from Page No. 1 to 7 as applicable for respective equipment. Kindly confirm.	Bidder’s understanding is in order.

CLARIFICATION WITH RESPECT TO CRP,SAS AND TELECOMMUNICATION EQUIPMENT:-

80.	Tender SLD	Detail A for neutral formation	In the furnished SLD “Detail A’, only one LV neutral formation is indicated, we understand that separate neutral formation is to be done for both LV-1 and LV-2 of offered three-winding Power transformer. Please confirm.	Bidder may note that, Attached SLD with Technical specification is indicative. However your understanding that Separate LV neutral formation is required to be done is in order.
81.	Section-I, cl. No. 4.1.1.c	220kV and 33kV Auxiliary Bus	As per price schedule and section project, 220kV and 33kV Auxiliary bus module is to be	Please refer tender drawing sl No-RECTPCL/J&K/DRG/23

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Schedule-I item no. B.1.c, C.1.d	module to connect spare unit..	considered for connection of spare transformer however the same is not indicated in furnished SLD.	
82.	Schedule-I item no. E.1.c	Shifting and re-erection of existing panel of Mirbazar and Wagoora substation	Please clarify the work involved for shifting and re-erection of existing panel of Mirbazar and Wagoora substation. We understand that offered DPC is to be mounted in existing panel at Mirbazar and Wagoora end. Supply of new panel for DPC at remote end is not in bidder’s scope. Please confirm.	Please refer our reply at sl no-52.
83.	Section-I, cl. No. 4.1.3.d Section-IV, cl. No. 3.09	For 33kV system, one BCU for two bays..... All numerical relays shall communicate to station SAS on IEC-61850 communication protocol. It is envisaged that these protection IEDs shall be used for CB control & monitoring of bay equipment.	As per section project, 1 no. BCU can be provided for 2 nos. 33kV feeders whereas in 33kV switchgear specification Bay control cum protection (BCPU) IED can be offered for feeders. Thus, we have considered BCPU for each 33kV feeders to meet the protection requirement. Please confirm.	Please refer our reply at sl no-53.
84.	Section-IV, cl. No. 3.09.02	Numerical Line Protection Relay The relay shall have instantaneous as well as time delayed three over current (50) and one earth fault (50N) protection elements...	As per 33kV line feeder protection requirement, O/C & E/F protection to be provided whereas under list of mandatory spares, distance protection IED is mentioned. We have not considered 33kV feeder distance relay as the same is not applicable. Please	Please refer our reply at sl no-54.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Section-I Annexure-I item no. VIII. 1.3	Numerical distance relay Main I for 33kV : Set 1	confirm.	
85.	Section-I, cl. No. 4.1.3.e	For 33kV GIS Bays, the requirement & specification for complete control and protection system shall be as specified in Section-IV of Tech. Specs.	As per section project, 33kV relay and protection system shall be as per Section-IV (33kV GIS switchgear specification). Thus, 33kV feeders control and relay panel configuration mentioned under section 18 (control and protection spec) is not considered. Please confirm.	Please refer our reply at sl no-55.
86.	Section XVIII, Clause 33	CONTROL PANEL	We have not considered conventional control panel for 220kV and 33kV feeders since BCU based system is offered in line with section project and price schedule. Please confirm.	Please refer our reply at sl no-56.
87.	Section XVIII, Clause 27	WEATHER PROOF RELAY PANELS	Please confirm this item is not applicable for this project	Please refer our reply at sl no-57.
88.	Section XVIII, Clause 26	BUS BAR PROTECTION	We have considered centralized low impedance busbar protection for 220kV system. Please confirm.	Please refer our reply at sl no-58.
89.	Section XVIII, Clause 22	TEE protection	TEE protection not considered in scope since 220kV system is with Double Main bus scheme. Please confirm.	Please refer our reply at sl no-59.
90.	Section XVIII, Clause 33	Configuration of relay and protection panels	We have not envisaged any ABT/Non ABT/ Tariff meter for offered 220kV and 33kV feeders. Only cutout, wiring and TTB for	Please refer our reply at sl no-60.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

			owner supplied 1 no. meter shall be considered offered CRP and 33kV switchgear. Please confirm.	
91.	Section XIX, Clause 1.2	Existing RSCC	We have not considered any modification works/augmentation works at RSCC in present scope of works, bidder’s scope is limited to providing the data up to substation gateway for interface with existing RSCC. Please confirm. Also, please share the details of existing RSCC like make, type , etc.	Please refer our reply at sl no-61.
92.	Section XIX, Clause 14, vi	LIST OF EQUIPMENTS	We have considered A4 type colour printer present scope. Please confirm.	Please refer our reply at sl no-62.
93.	Section-XX Transformer specification cl. No. 14.2	Cabling of spare unit with isolator switching arrangement shall be in such a way that spare unit of transformer can be connected in place of faulty unit without physically shifting and all the control, protection, indication signals of spare unit shall be brought in common marshalling box of all the banks.	We have not envisaged switching of spare transformer unit through isolator as the same is not mentioned in section project nor listed in price schedule. We understand that spare ICT shall be manually connected to switched phase. Please confirm.	Please refer our reply at sl no-63.
94.	Section-XX Transformer specification, Annexure-G	Bushing CT details not available.	Please furnish the bushing CT requirement for 1-Ph 53.33MVA, 22/33/33kV Transformer as the same is not mentioned in Annexure-G of Transformer specification.	Please refer our reply at sl no-64.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

95.	Section-XX Transformer specification, Annexure-G	Neutral CT requirement	Please clarify whether external NCT is required to be provided for HV and LV side of Power Transformer, incase required then please revise the price schedule and furnish the CT details accordingly.	Please refer our reply at sl no-65.
96.	Section XXI, cl. No. 1.1	Tele protection & PMUs and for new technological requirements of Power System Operation such as Special Protection Scheme, Grid Security Expert System, Load Management.....	PMU supply and its integration to LDC/PDC is not considered in bidder’s scope. Please confirm.	Bidders may note that, PMU supply is neither applicable and nor in bidders scope.
97.	General	Numerical Relay Test Kit	We Understand that Numerical relay test kit is not to be considered by the bidder. Please confirm.	Bidders are requested to refer sr.no F a) in BPS Relay test Tool kit is provided Under this item, Numerical Relay Test kit and tool kit is covered.
98.	Price Schedule_ Schedule-1_ Sl. No. E.2	Tele protection Equipments	Due to limitation of technology DTPC equipment shall be installed near to SDH equipment within 40 meter range. If distance b/w these two is more than 40 meter than additional convertors are required. Please confirm that DTPC shall be installed in SDH Cubicles or near to SDH equipment within 40 meter.	Since the entire job of substation and Control Room Building is to be done by bidder, it is therefore expected from bidder to ensure in totality Tele-protection system as well as communication etc.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
99.	Price Schedule_ Schedule-1_ Sl. No. P_B_4	Approach Cable & Accessories for Mirabazar & Wagoora	As Approach Cable are not required at Mirabazar & Wagoora Substation, we understand that same shall be provided by employer and splicing of Approach cable shall be in scope of employer. Please confirm our understanding.	Bidders are requested to visit site and access the requirement in totality and quote accordingly.
100.	TECHNICAL SPECIFICATION VOL-II, SEC-XXI TELECOMMUNICATION SYSTEMS / Cl. No. 1.1	A brief summary of the system requirements is as follows: (b) 64kbps & nx64kbps data channel support as required (c) Low speed (300 -1200 bps) data channel support as required (d) Voice (2 wires, 4 wires) channel support and integration with Employer’s/RLDC’s EPABX system. The details of EPABX System shall be provided during detailed engineering. (e) Data transport supporting Network Management channels	As per BPS bidder has to provide SDH equipment only. We understand that given interfaces of PDH equipment are not envisaged in current scope of work. Specification is provided for academic purpose only. Bidder has to quote as per BPS only. Please confirm our understanding.	Bidder scope is to provide the successful Telecommunication System under present scope.
101.	TECHNICAL SPECIFICATION VOL-II, SEC-XXI TELECOMMUNICATION SYSTEMS / Cl. No. 1.1	The FO Communication equipment to be supplied shall be a complete SDH node (add-drop multiplexer) providing all the features e.g.	As per BPS bidder has to provide SDH equipment only. We understand that given interfaces of PDH equipment are not envisaged in current scope of work.	Bidder scope is to provide the successful Telecommunication System under present scope.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	ATION SYSTEMS / Cl. No. 2.1.1	protection and performance monitoring. This will be used for delivering E1 as per ITU-T G.703 and Giga/fast Ethernet services except repeater stations. In case other interface such as Asynchronous Sub-channel data card RS232/ V.24/ V.28), Synchronous data card (V.35/X.21), 2 wire voice channel card or 4 wire (E&M) voice channel card as required, shall be supplied either in the same equipment or as independent PDH equipment.	Specification is provided for academic purpose only. Bidder has to quote as per BPS only. Please confirm our understanding.	
--	-------------------------------	---	---	--

CLARIFICATION RELATED TO CIVIL WORKS:-

102.	General	Contour survey and FGL	Please provide the contour survey drawing and proposed FGL of 220/33kv, GIS lassipora substations.	Bidders are requested to visit site to access actual requirement
103.	Price schedule, Part-C: Civil Works, Item no 2 And VOL-II, SEC-XVII Civil works- Cl. 3.0 Page no 9 Of	Contour survey	As per scope, contour survey has been considered in price schedule item no 2. However same mode of measurement said “The Contour survey work shall not be measured and paid separately and shall be deemed to be included in the item of site leveling work.	Item is Contouring and Levelling and not contour survey only.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

	62 & Cl. 23.2, page 54 of 62		We understand that contour survey paid as per price schedule item no-2. Please confirm our understanding is correct.	
104.	Price schedule, Part-C: Civil Works, Item no 3 iv	Tower Structure, Support structure for GIS 220kV, Lightning Mast	Please confirm that the mentioned item covered under following structure foundations 1) 220kv towers foundations 2) 33kv tower foundations. 3) Lighting mast foundations 4) 220kv Bus duct supporting structures foundations. 5) 220kv SF6 bushing foundations.	Yes, Towers, LM and other support structure foundation are covered under this item
105.	Price schedule, Part-C: Civil Works, Item no 3 v	Equipment’s structure for L.A, Isolator, BPI in 220kV/33kV AIS	We are understanding that all 220kv,33kv outdoor AIS Equipment foundations shall be cover this item. Please confirm Quantity of 220kv equipment foundations and 33kv equipment foundations shall be difference from one to other so, please bifurcate this item according to structure basis and amend that same in price schedule.	This covers all outdoor 220/33kV equipment foundation only. Auxiliary/LT Transformer is covered at no. 3 (ii). Please note that Quantity of Auxiliary/LT Transformer is 2 (Two).
106.	VOL-II, SEC-XVII	Drain Type.	As referred clause has been mentioned that	Bidders are requested to refer Tender

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Civil works- Cl. 6.0 Point e Page no 15 Of 62 and Drw no TND/RECTPPL/J&K/DRG/C14		<p>“Open surface drains shall be constructed with brick masonry or concrete blocks”. However same provided tender drawing shall be brick drain.</p> <p>We understand that brick drain shall be used for execution as per tender drawing. Please confirm our understanding is correct.</p>	drawing No. RECTPCL/J&K/DRG/9
107.	Price schedule, Part-C: Civil Works, Item no 13	Design and Construction of Drainage system	As per price schedule drainage system provided in Lum Sum item. Hence, we understand that construction of drainage shall be within boundary wall only and there is no outside drain considered in BOQ. Please confirm.	Bidders may note that, scope is limited to maximum 50M outside of Substation boundary in line with clause no. 6 of Section Civil Works.
108.	VOL-II, SEC-XVII Civil works- Cl. 7.0 Point d Page no 16 Of 62 and	Road	As referred clause, please confirm Strengthening of existing roads is not in bidder scope.	Bidders may note that, being a new substation, question of existing roads strengthening does not arise.
109.	VOL-II, SEC-XVII Civil works- Cl. 9.0, Page no 18 Of 62 and TND/REC/J&K/D	Fire wall	<p>1) As pre-tender layout fire wall shall be bidder scope. However same not reflected in price schedule. Please add the same item in tender BOQ.</p> <p>2) As referred clause minimum fire</p>	<p>Bidders may note that, Fire wall is coved under item No. 3.0 (i) of BPS.</p> <p>Firewall shall be completely RCC as per TS clause No. 9.1.3</p>

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

	RG/GA04		resistance shall be 4 hours. Since, we propose the RCC framed with brick paneling type fire wall. Please confirm.	
110.	General	Common burnt oil pit	We understand that common burnt oil pit is not in bidder scope. If it’s in bidder scope, please add the same in tender BOQ	Bidders may note that, all transformers are with oil collection pit. Please refer Section Civil works Clause No. 8.0 and is covered under Transformer Foundation.
111.	VOL-II, SEC-XVII Civil works- Cl. 13.5, Point no 7Page no 28 Of 62	First floor details shall comprise of finish as per schedule, 20 mm cement sand mortar and 50 mm thick PCC (1:4:8) over RCC slab.	As referred clause, it has been mentioned that “First floor details shall comprise of finish as per schedule, 20 mm cement sand mortar and 50 mm thick PCC (1:4:8) over RCC slab. However same 50mm thick PCC (1:4:8) over RCC slab is not reflected in finish schedule. So please confirm that, 50 mm thick PCC (1:4:8) over RCC slab not required and not to be executed.	Bidders may note that, 50 mm thick PCC (1:4:8) over RCC slab is required and need to be executed.
112.	Price schedule, Part-C: Civil Works, Item no 6 And VOL-II, SEC-XVII Civil works- Cl.	GIS Building and control room building	As per price schedule, it has been mentioned that “Design, Engineering and Construction of following buildings inclusive of PCC, RCC, reinforcement , internal cable trench (if required) internal and external finish, internal water supply, internal and external sanitation, septic tank and soak pit etc complete in all respects”.	Please go thoroughly with Cl. 21.1, SEC-XVII, Civil works, VOL-II

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	21.10, Page no 34 Of 62 and Cl 21.5.3 Page no 46 Of 62		<p>However, as per referred clause, “The 220kV GIS Hall shall be pre-engineered steel structure type and Control room cum administrative building shall be RCC Framed Structure type. Internal access to the GIS hall from control room building shall be provided. Further, 33kV GIS Hall/room shall also be RCC Framed Structure type”.</p> <p>The both are contradictory, please confirm that which type of building shall be considered for 245kv Gis hall, 33kv GIS hall, AHU room, Panel room and Control building & administration building.</p>	
113.	VOL-II, SEC-XVII Civil works- Cl. 21.5.2, Page no 46 Of 62	230mm Brick wall	As per referred clause mentioned that “In GIS building and the attached relay room 230mm thick brick wall shall be provided up to roof level of relay room attached to GIS hall. 50mm thick puff sandwiched panels as described above shall be provided above brick wall. Thus, we have considered 3.5 m height of 230mm brick wall for around GIS hall and along with relay panel room. Please confirm.	Bidders may note that, 230mm thick wall around GIS hall with 50mm thick puff sandwiched panels above brick wall in line with specification is in order, however height of wall shall be decided during detailed Engineering of GIS Hall.
114.	VOL-II, SEC-XVII	Rail cum Road	As referred clause said “The rail cum road	Bidders are requested to refer bold lines

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Civil works- Cl. 23.18, Page no 58 of 62		shall include all items such as excavation, compaction, rolling, watering, WBM, concrete, reinforcement, structural steel and rails with rail fixing details etc. complete as per approved drawing. This work shall not be measured separately as it is covered under respective item of BPS and described in above paras. However, the same Item not reflected in price schedule. Please add the same in price schedule.	in para.
115.	VOL-II, SEC-XVII Civil works- Cl. 19 iii, Page no 41 of 62 & Cl. No 23.20 Fire Water Tank, Page 59 of 62 And TND/REC/J&K/D RG/GA04,	Firefighting Pump house & Water tank	As referred clause 19 iii, the contractor shall carry out all the plumbing/erection works required for supply of water to Fire Fighting pump house , Security room beyond the single point as at (i) above. And As per clause 23.20 “This is a lump sum item. The contractor shall be required to complete the work in all respect as per approved drawings. The items including brick work if any, and miscellaneous steel including steel embedment Rungs, roof truss, corrugated AC Sheet roofing, door, pipe sleeves, internal finish, etc. shall be deemed to be	Yes, Fire Fighting Pump House and Tank is not required and therefore, supply of water to Tank and Pump House is not in the scope.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			included in this lump sum cost against item No. 7 of Civil works in BPS” However, we are understanding that firefighting pump house and water take is not in bidder’s scope , also same not reflected in tender layout. Please confirm.	
116.	Price schedule 0 a	Busduct & Sf6 bushing structures	--in continuous to above, we understand that Busduct supporting structures not covered above mentioned item. Please confirm	Bidders are requested to refer clause no. 4.1.1 (g) of section 1 for Bus duct and SF6 Bushing structure.
117.	VOL-II, SEC-XVII Civil works- Cl. 13.2, Page no 25 Of 62 And Cl 13.4 point 7 ,page 27 of 62	Snow accumulation	As referred clause said “The building shall be constructed as per the design and drawings to be developed by the contractor. Roof with slopes to be provided in case the substation is in snow bound terrain. Please provide the maximum accumulation of snow fall thickness shall be considered for design purpose.	Please refer Clause no-6.2, Section-I, Project, Vol-II in this regard.
118.	VOLUME-II, SECTION - XVII TECHNICAL SPECIFICATION, Civil works Cl 18.0, Page 41 of 62	Design, Engineering and construction of parking shed Car Parking Shed, Storein all respects.	1) As Per price schedule (capacity parking shed for 5 nos car is required however as per specification 10 nos. of car parking shed is required. We understand that price schedule shall prevail. Please clarify the final requirement. 2) We understand that car parking shed	1. Yes, Car Parking shed for 5 no. vehicle is required as per price schedule. 2. Bidder’s understanding is in order.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

	And Civil price schedule -item 7 and 6 v		only covered this item and store is covered in civil Item no 6 v (Store 6x15). Please confirm.	
--	---	--	--	--

CLARIFICATION RELATED TO TRANSFORMER:-

119.	Section I (project) page 255/1105 Clause 2.1	1 no. of 220kV bay for 4x53.33MVA, 220/33-33kV, Single Phase Power Transformers (One bank + one spare unit)	Voltage ratio of transformer is different in the specification and price schedule. Kindly confirm the rating/ voltage ratio. Whether it is <u>53.33 MVA 220/33 kV 1-ph transformers</u> or <u>53.3 MVA 220/33-33 kV 1-ph transformers.</u>	It is 53.33MVA, 220/33-33KV 1 Phase Transformer
120.	Price schedule (Schedule 1) Sr no A.1.1 (a)	160MVA (3x53.33 + 1x53.33 Spare), 220/33 KV, Single Phase transformers (Excluding insulating oil)- 4 nos	We understand that 1 no. 160 MVA (3 x 53.33 MVA + 1 x 53.33 MVA) transformers is required. Hence total 4 nos. 53.33 MVA transformer is there. <u>Kindly confirm the no of quantity of transformer required.</u>	Yes, 160MVA (3 x 53.33 MVA + 1x 53.33 MVA), 220/33-33kV, Single Phase Transformer is required i.e. 4 no. 53.33MVA, 220/33-33kV transformers are required
121.	Cl. No. 12.5 TECHNICAL SPECIFICATION VOL-II, SEC-I ,Page 17 of 19	The plinth height of outdoor GIS shall be decided during detailed engineering stage. The miscellaneous structural steel and foundation bolts required to fix the GIS module shall be deemed to be included in the item of	Please note that GIS Modules are inside the GIS building (Indoor Type). we assumed that Cl. No. 12.5 is applicable for Outdoor SF6 GIS Busduct/Bushing support structure only.	Bidder understanding is in order that clause no. 12.5 is related to outdoor SF6 GIS Bus duct / Bushing support structure only.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	(269 of 1136)	GIS module and shall not be payable separately.		
122.	1.4.9.2 Battery and Battery Charger , page 6 of 11 (686 of 1136)	Battery and Battery Charger	Two sets of batteries shall be provided to meet tender specifications, however please note that only one set will be mounted inside acoustic enclosure, due to space constraint the other set will be supplied loose therefore there will not be any provision for changeover between set of batteries. We request for your confirmation and acceptance on the same.	The bidder is to quote as per provision of bidding document.
123.	Item no. E.2.c (1103 of 1136)	Shifting and re-erection of existing panel of MirBazar/Wagoora as per Technical specification	Integration with existing SDH depends upon the available slots & working condition of existing equipment.	Bidder is expected to visit respective sites and access the requirement based on existing equipment.
124.	1.5 Control and Instrumentation, Page 7 of 11 (687 of 1136)	CONTROL AND INSTRUMENTATION	f) As per your specification we do not envisage requirement of Differential Protection Relay & its respective CTs at neutral side & same shall be mounted in panel.	Bidder is to meet specification requirement. Differential protection is required for DG set and respective CT,s to be installed in AMF panel for neutral side.
125.	1.6.1.1 DG Set Enclosure Page 8 of 11 (688 of 1136)	Diesel engine, alternator, AMF panel, Batteries and Chargers shall be installed outdoor in a suitable weather-proof enclosure which shall be provided for protection from rain,	As per manufacture standard DG set provided shall be self-ventilated if placed in open area and also there is no requirement of Axial Flow fans	The bidder is to quote as per provision of bidding document.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

		sun, dust etc. Further, in addition to the weather proofing, acoustic enclosures shall also be provided such that the noise level of acoustic enclosure....		
126.	1.9 Tests Page 10 of 11 (DG SET) (690 & 691 of 1136)		3) It is not possible to check the fuel consumption at site accurately. Fuel Consumption at site can be done by monitoring the Fuel level in Fuel Tank 6) & 7) Noise level & vibration cannot be measured at site accurately due to unavailability of free field conditions	Bidder has to meet specification requirement Bidder has to meet specification requirement.
127.	Ventilation (price schedule) (1108 of 1136)		Ventilation of 33KV GIS shall be with exhaust fan as per Bill of material. Please confirm	Bidder’s understanding is in order.
128.	EOT crane (439 of 1136)		Single girder EOT crane is to be considered, Please confirm	The bidder is to quote as per provision of bidding document.
CLARIFICATION RELATED TO 33 KV GIS:-				
129.	Volume-II, Section - IV Technical	LT Feeder Panels Rated Primary Current : 40A CT Ratio : 40 - 20 /1A	The CT Ratio for the same shall be 150/1-1A . Lower CT ratio's are not possible owing to	Please refer section – Project , Clause no. 4.1.2 (d) of technical specification

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Specifications Cl.9.00 d.2 Rated Primary Current (489 of 1136)		dimensional constraints. We request you to kindly accept the same.	
130.	Cl. 4.1.2.b. vi. (Sec-I Project) (260 of 1136)	GIS Cable termination enclosure with isolating link, cable termination kit for making connection to 36kV XLPE cable.	Isolating link for the cable termination is used in High Voltage GIS applications & not in Medium Voltage GIS. Hence same shall not be applicable.	Please note that GIS complying requirements of LSC 2B-PM class is required as per provision of specification, therefore alternate design solution for meeting above requirements is acceptable. However, same will be reviewed with respect to specification during detailed engineering.
131.	Cl. 4.1.3 d. (Sec-I Project) (262 of 1136)	For 33kV System, One BCU for two bays having facility of connecting all required digital I/O & analogue signal for both bays shall also be acceptable.	We have considered One BCPU unit for each panel	Please refer Section - Project Clause No. 4.1.3 (d)
132.	Cl. 6.2 (266 of 1136)	Altitude 1700m above mean sea level & Max. ambient temperature 50C & Min ambient temperature -15C	Manufacturer’s product has been type tested for standard ambient conditions 1000m Altitude & 40 deg C. The panels can work at 50 deg also, but a derating of 8% shall be applicable. For low temp , the panels can work until (-) 5 deg c . For	As 33kV GIS panels shall be installed indoor only where temperature will be controlled, therefore effect of temperature may not be applicable.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

			<p>further lower temp , the room needs to be heated.</p> <p>We Request you to kindly accept the same.</p>	
--	--	--	---	--

CLARIFICATION RELATED TO Annexure-1 – 220kV GIS Mandatory spares :-

133.	1.9,Page 2 Of 7 (275 of 1136)	Pipe length (Copper or Steel as applicable) for SF6 Circuit of each type - 1Set	Our design has no piping arrangement. Hence not applicable.	Noted
134.	1.11.1,Page 2 of 7 (275 of 1136)	Locking device to keep the Disconnectors (isolators) and earthing switches in close or open position in case of removal of the driving mechanism	When the operating mechanism of the disconnector or earthing switch is removed, the contacts cannot be disturbed from outside in our design. Hence we do not envisage the requirement of locking device.	Noted
135.	2.1,Page 2 of 7 (275 of 1136)	Complete Pole GIS Circuit breaker of each type and rating complete with interrupter, main circuit, enclosure and Marshalling Box with operating mechanism – 1No	Marshalling Box is not applicable as its functional requirement has been taken care inside operating mechanism box.	As bidder is meeting our functional requirement by providing Operating mechanism Box, it is acceptable
136.	3.5,Page 3 of 7 (276 of 1136)	Open / Close contactor assembly, timers, key interlock for one complete 245kV GIS (3 phase) dis-connector and (3 phase) earthing switch of each type and rating	Proposed interlocks are all electrical with pad locking arrangement. Key interlocking is not applicable.	Noted

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
---------	------------------	-----------------------------	-------------------	--------------------------

137.	4.2,Page 3 of 7 (276 of 1136)	Current Transformer: Secondary bushing of each type	Not applicable to GIS CTs as secondary cores are outside gas chamber.	Noted
------	---	--	---	-------

CLARIFICATION RELATED TO Price schedule - Sch-1 – 245kV GIS Equipment :-

138.	Item B.1 g) (1102 of 1136)	245kV,1600A, 1-phase/3Phase SF6 GIS Busduct alongwith support structure from GIS building to C/L of SF6 to Air bushing (Quantity mentioned here is for single Phase duct) – 200meter	245kV,1600A,40kA single phase busduct length indicated in price schedule is 200m.We understand that additional quantity if required based on final layout agreed at execution stage shall be will be paid by RECTPCL.	Bidder understanding is in order.
------	--------------------------------------	--	---	-----------------------------------

139.	6.2.1.2 ,Page 11 of 47 (364 of 1136)	Space heaters : One or more adequately rated thermostatically connected heaters shall be supplied to prevent condensation in any compartment. The heaters shall be installed in the compartment and electrical connections shall be made sufficiently away from below the heaters to minimize deterioration of supply wire insulation. The heaters shall be suitable to maintain the compartment temperature to prevent condensation.	Space heaters shall be provided in LCC and operating mechanism.	The bidder is to quote as per provision of document.
------	--	---	---	--

CLARIFICATION RELATED TO CIVIL WORKS :-

140.	Price schedule,	Tower Structure, Support structure	As per price schedule - 15 nos provided in this	Please refer Schedule 1, item no. B1 (g) of
------	-----------------	------------------------------------	--	---

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

	Part-C: Civil Works, no 3 iv (1121 of 1136)	for GIS 220kV, Lightning Mast	item. Since As per Layout 220kv tower 5 nos, 33kv tower 7 nos, LM structure aapx- 2 nos, 220kv SF6 bushing -16nos and 220kv busduct shall be appx 15 nos. Since the Quantity of Each item is varies from one structure to other structure. Please bifurcate this Item according to structure basis and amend the same in Price schedule.	price schedule wherein supply of structure required for GIS Bus Duct from GIS building to C/L of SF6 bushing is already covered. Therefore, Bifurcation of item is as follows:- Tower structure for 4 No. 220kV Incoming gantries (5 Towers+ 4 Beam), 6 No. 33kV outgoing gantries (7 Towers+ 6 Beam), 1 No. Lightning mast and 4No. 33 KV Cable support structure.
141.	Price schedule O a And Section -1, Project. TECHNICAL SPECIFICATIO N, VOL-II, SEC- I Page 14 of 19 (1120 of 1136) (266 of 1136)	Lattice Structure (Gantry Towers, Beams, LM and Equipment/support structure) including Foundation Bolts And Cl. No. 6.2 Meteorological data: - Min Ambient temperature -15deg. C	As referred clause, minimum ambient temperature- 15deg.C Please provide the grade of steel shall be considered.	IS Steel Sections as per IS 2062, Designated yield strength 250MPa is to be considered

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

142.	VOL-II, SEC-XVII Civil works- Cl. 13.2, Page25 of 62 And price schedule -item 6 (i) (775 of 1136) (1122 of 1136)	Control room building	As referred clause, Control Room Building shall be of size 20 m X 25 m approximately. It will be a double storied RCC Framed structure if constructed separately away from GIS hall. However, as per Price Schedule Control room building shall 500 sqm only. Please confirm these 500-sq.m shall be single story (GF) only or double storied building(GF+FF).	Please refer tentative double story Control room drawing attached with document for tender purpose. Size of control room shall be optimized during detailed Engineering.
------	---	-----------------------	---	--

143.	price schedule -item 6 (i) and Tender drawing of control room & administrative building (1122 of 1136)	Control room building	As per price schedule control room building shall be 500 sqm. However, as per provided tender drawing appx outer to outer side of building shall be 20.278x15.517 so, total sqm of control room building shall be 630 sqm. We understand that control building shall be 500 sqm only and if size of building to be increased as per tender drawing same shall be paid as per actual execution. Please confirm.	The Control room size shall be optimized during detailed Engineering. Even though the area is indicated as 500 Sq.M but the payment shall be made to the contractor as per actual on per Sq.M basis.
------	--	-----------------------	--	--

CLARIFICATION RELATED TO OTHER (Technical)

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

144.	Section-III, Cl.4.5 Pg 6 of 72 (404 of 1136)	Customer's Requirement: Under Cl, it is mentioned that material and thickness of the enclosure shall be such as to withstand an internal flash over without burn through for a period of 300 ms at rated short time withstand current	Technical Issue: Burn through time Bidder's Remarks: As per IEC 62271-203, Under table 4, it is clearly mentioned that for GIS with short circuit rating greater than or equal to 40kA rms duration of current shall be 0.3s (300 ms) with no fragmentation (but burn through is acceptable). kindly confirm the same requirement as per IEC	The bidder is required to comply with the provision of bidding document.
145.	Section-III, Cl.4.29. iii Pg 9 of 72 (407 of 1136)	Customer's Requirement: Alarm necessary to indicate deterioration of the gas insulating system.	Technical Issue: Alarm in LCC Bidder's remark: No such functions have been incorporated in LCC and also the function of monitoring of status of SF6 gas we accommodate in the PDM system.	In case bidder is meeting functional requirement of alarm to indicate deterioration of gas insulating system through PDM, suggested alternate solution is acceptable.
146.	Sec-III, Cl.4.36 Pg 11 of 72 (409 of 1136)	Customer's Requirement: The enclosure shall be manufactured and tested according to the pressure vessel code (ASME/CENELEC code for pressure vessel).	Technical issue: Pressure vessel code Bidder's Remarks: As material codes are country based codes. For presure vesssel code , We follow KS-D6008 with Equivalent EN code (ENAC-42100). Also we will conduct all pressure test for enclosures as per Cl. 6.103-IEC 62271-203:2011.	Equivalent standard is acceptable in line with document provision for pressure vessel code (ASME/CENELEC/DIN or Equivalent). In case of equivalent, same will be examined during detailed Engineering.

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

147.	Sec-III, Cl.5.10.1 & 5.10.2 Pg. 24 of 72 (421 & 422 of 1136)	Customer's Requirement: Under Cl. It is mentioned that i) the type test report of electromagnetic compatibility test (EMC) of CSD shall be considered. ii) Functional tests are to be carried out on circuit breaker along with control switching devices.	Technical issue: CSD for type test and routine test Bidder's Remarks: As per BOQ and section project control switching device for circuit breaker is not mentioned. Kindly clarify the same.	The bidder is to quote as per provision of bidding document. Please note that CSD is not envisaged.
148.	SLD (282 of 1136)	Customer's Requirement: Safety grounding switch shall also be mechanically key interlocked with its associated disconnecter.	Technical Issue: Mechanical Interlock Bidder's Remarks: As per our standard practise, safety grounding switch is electrically interlocked with associated disconnecter. Kindly accept the same.	Noted
149.	Sec-III, Cl.8.1 Pg 28 of 72 (426 of 1136)	Customer's Requirement: Under Cl, it is mentioned that customer required class B for high speed make proof grounding switch.	Technical Issue: Class B for HES Bidder's Remarks: Kindly Clarify what is class B. As per IEC of GIS class B is not mentioned for HES. Kindly clarify the same.	Please refer Annexure - C of IEC: 62271-102 where in Class B is clearly defined.
150.	Wall mounted bushings	Customer's Requirement: N/A	Technical issue: Wall mounted bushings Bidder's Remarks: We suggest wall mounted bushings for this climatic conditions and high	Bidder is to meet specification requirement

Title	:	Pre Bid Clarifications -I
Employer	:	REC Transmission Projects Company Limited
Project	:	Design, Manufacturing, Supply, Erection, Testing & Commissioning of 160 MVA, 220/33 kV Gas Insulated Substation (GIS) at Lassipora on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15”.
Tender Ref No.	:	RECTPCL/PIA/JKPDD/SS -02
Tender Event No	:	RECTPCL/17-18/ET/8

SL. NO.	CLAUSE / DWG NO.	REFERENCE / EXISTING CLAUSE	QUERY DESCRIPTION	EMPLOYER’S CLARIFICATION
----------------	-------------------------	------------------------------------	--------------------------	---------------------------------

			altitude level for better performance. We further inform you that same have been communicated to JKPDD during previous project execution and JKPDD have accepted the same Kindly accept the same.	
--	--	--	--	--

CLARIFICATION RELATED TO COMMERCIAL DOCUMENT

151.			Whether bid can be submitted in JV or not as clause 4 of ITB doesnot mention of JV though the qualification criteria specifies for JV.	Please refer Clause no-4 of Qualification Requirement, Section-III, Vol-I of the bidding document in this regard.
152.			Whether the contract shall be awarded to lead bidder or to the JV.	Contract would be awarded to Joint Venture if the JV bid found to be the successful bidder.
153.			Whether the payment shall be made from client directly to the lead bidder or the JV.	Payment shall be made to Lead Partner of the Joint venture.