

Invitation for Bids NO. IFB No: [CPC/JICA/ICB/01/18-19]				
Reference Identification No: [OPTCL/JICA/PKG-1]			Loan Agreement No: [ID-P245]	
NAME OF PROJECT: Design, Supply and Installation of 2X160MVA Auto Transformer ,220/132 KV Out Door Type GIS Grid Sub-station at (Gundichapada),Dhenkanal.in Odisha State of India under PACKAGE-1 Under Japan International Cooperation Agency (JICA)'s ODA Loan.				
REPLY TO PRE-BID QUERIES RECEIVED FROM FIRMS ON VARIOUS DATES				
NAME OF CLIENT:- ODISHA POWER TRANSMISSION CORPORATION LIMITED, Bhubaneswar				
Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
1. COMMERCIAL QUERIES				
1	Volume-I , section IV Bidding Forms	Bid security Format	Please provide the client Swift details for taking the swift BG. Also please confirm that bid security is payable at Bhubaneswar. If it is payable at bhubaneswar, please provide the list of Bhubaneswar banks and branch details where the BG will be encashed.	ICICI Bank Bhubaneswar, (The Unique Identifier for field 7037 is "OPTCL541405793") IFSC Code ICIC0000061. Branch Address: ICICI Bank Ltd Bhubaneswar Main Branch, Bhubaneswar
2	Volume-I , BDS & Section-III Evaluation & Qualification Criteria	, ITB, 11.2 (i) & cl no: 1.1.3.1	As per referred clause, the following to be submitted, 1. Details of Manufacturing / Fabrication / Service facilities of the Bidder or its Sub-Vendor / Sub-Manufacturer. 2. Type Test certificate of the Bidder or its Sub-Vendor/Manufacturer, of the Major items of Plant & Equipment (GIS Equipment with GIB, Transformers, CR panel, CT & PT, LA and Isolator) conducted as per EQC to be supplied under this contract. 3. Details of credential of Sub-Vendor/Manufacturer to be engaged under the Contract in satisfaction of EQC. 4.Details of credential of Sub-Contractor(s) to be engaged under the Contract in satisfaction of EQC. Also, as per cl no: 1.1.3.1 of evaluation & qualification criteria, type test and supply record to be furnished for Transformers, CT & PT, CRP, SAS, GIS. Since, specific qualification criteria is mentioned for GIS & SAS equipments for manufacturers in EQC 2.5, we propsoe to submit credentials and Type test reports of the above mentioned equipments only during bid submission. Balance type test reports of the main equipments will be submitted after award of contract. Kindly confirm.	It is recommended to submit all the credentials and type test reports during bid submission itself.
3	Volume-I Sec-IX Contract Forms	Effective Date of Contract	As per the referred clause, "The Effective date of contract shall be reckoned from the date when the Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor. we understand that contract agreement will be executed only after the clear handing over of site for construction of Substation in addition to the above clause. Kindly confirm.	As per SBD
4	Volume-I General	BoCW cess	We understand that 1% BOCW cess shall be applicable only on the Civil & Installation works. Please confirm.	BOCW cess shall be applicable on the whole contract value. The same shall be deducted from bills as applicable from time to time(the present rate being @1%)
5	Vol-I, Section-III -Evaluation & Qualification criteria & Technical specification of transformers	cl no: 1.2.2 e vii) & cl no: 5.2 of transformer spec	As per the referred clause, "For the purpose of evaluation, loss capitalization of the Transformer shall not be considered." But as per the Transformer specification, capitilized cost is mentioned which is applicable for evaluation of bid. As both the clauses are contradictory, request you to kindly clarify whethe the loss capitilization is applicable for bid evaluation or not. Also, please define the maximum losses allowed in transformers, incase the loss capitalisation is not considered for evaluation	As per the Clause 1.2 Economic Evaluation, Section III, "Loss capitalization of the Transformers shall not be considered for evaluation." Since the loss capitalization of transformers are not considered for evaluation of bids, the Power transformer shall be supplied confirming to the Technical specification. TS says "Loss figure for the transformers should not exceed as detailed below :- (A) 160MVA, 220/132 KV Auto Transformer: i) No load losses- 30.00 KW ii) Load (Copper) losses including Auxiliary losses- 205.00KW The transformer losses, guaranteed in the bid are to be supported by design calculations along with documentary evidences."
6	General		We understand that operation and maintenance of the substation is not in the scope of the bidder.Please confirm.	Confirmed.
7	General		We trust that, OPTCL will hand over the legally encumbrance free land to the bidder at the time of NOA. Please confirm.	Confirmed.

Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
8	Vol-I, Section - IX, contract forms	Appendix - 4 Time schedule	In reference to the referred annexure of work completion format, the total scheduled duration for completion of works is 24 months and Defect Liability period is 12 months from the date of commissioning. Kindly Confirm.	As per SBD
9	section IX, contract Forms	Appendix 5 List of Major items of plant and installation Services and List of Approved Subcontractors	As per the referred clause, The bidder can propose any Subcontractors/Manufacturers for items, but no Subcontracts shall be placed with any such Subcontractors/ Manufacturers for items until the Subcontractors have been approved in writing by the Employer and their names have been added to this list of Approved Subcontractors. If so, pls confirm the approval time and procedure from the date of request for a Subcontractors/Manufacturer.	As per SBD
10	Vol-III - Technical specifications of Transformer	Technical Annexures, Annexures - I to Annexure - IX	As per the referred clause, for the power transformers, various documents like "Annexure-I: Schedule of quantity & Delivery, Annexure-II: Maximum flux density & Core weight calculation, Annexure-III: Details of loss calculation, Annexure-IV: Guaranteed Technical Particulars, Annexure-V: Additional schedule of information, Annexure-VI: Check-List towards type test reports, Annexure-VII: Calibration status of testing equipment's & Instruments/ meters, Annexure-VIII: Check List for delivery schedule & Annexure-IX: Abstract of Terms & Conditions", Annexure-II to IX are to be filled up in complete shape by the bidders, failing which their tenders are liable for rejection". We understand that, above documents as per annexures are being asked by OPTCL while inviting tenders for procurement of individual equipment directly from manufacturers. However, in this regard we would like to highlight that, present tender being turnkey package for construction of overall substation involving numerous equipment's & multiple manufacturers for each equipment/ items, it is very difficult for an EPC contractors to collect all of the documents during tendering stage apart from its own qualification documents. Hence we request you to accept our proposal of submission of only the Manufacturer's standard GTPs along with the Manufacturer's authorization letters during tendering stage & remaining documents shall be submitted during execution stage for all the equipment's as applicable, as per tender documents. Undertaking to this effect can be submitted from our end during tendering stage. Please confirm your acceptance	Confirmed.
11	Vol III , Technical Specification for 400 / 220 / 132 kV Outdoor Gas Insulated Switchgear (GIS)	cl no: 4.2.13, other services	As per the referred clause, We understand that consultant is applicable for the said project. Therefore, We request you to provide the consultant details and also kindly define the contractor scope with the consultant during the prebid, postbid and in getting the engineering approvals after the award of contract.	Will be provided to the bidder in the event of award of the contract.
12	Volume-I , Section-IV Section- VII General Conditions	Biding Forms , SCh No: 6, Grans Summary GCC cl no: 14, Taxes & Duties	As per the referred clause " GST/ any other taxes/duties/levies shall be inclusive in the bid price and shall not be paid/reimbursed separately" Also "If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor, Subcontractors or their employees in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction therefrom, as the case may be, in accordance with GC Clause 36 hereof" Kindly explain on the term "equitable adjustment" and the modality in which it will be operated.	As per SBD.

Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
13	Vol-I, Section-III - Evaluation and Qualification Criteria	Clause 1.2.1 - ii (a) - Quantifiable nonmaterial nonconformities	<p>As per the referred clause, "ii. The cost of all quantifiable nonmaterial nonconformities or omissions (minor omissions or missing items) shall be evaluated as follows: (a) To this effect, the Bid Price shall be adjusted for comparison purposes only, to reflect the price of missing or non-conforming item or component, by taking the price equal to highest unit rate quoted for the same item(s) by other bidders. However, if there is only one bid, the rate of that/those missing item(s) as estimated by the employer would be taken and Bid Price shall be adjusted for evaluation and comparison purposes only. In case of award of contract, the successful bidder would be required to supply missing item(s) free of cost and tax liability will be borne by the successful bidder".</p> <p>In this regard, since the complete scope has to be quoted by the Bidders on single responsibility basis, we request you not to add any amount on account of any missing item/ in case any items are not loaded as it may change the competitive position of a bidder due to highest price loading for a missing item. We request to modify the clause as below: "Any material/works not specifically priced by a bidder in BPS, shall be deemed to be included in the price of other material/ works." Please confirm your acceptance & amend the document accordingly</p>	As per SBD
14	Vol-I, Section-IX - Contract Forms	Appendix 1. Terms and Procedures of Payment Appendix 6 - Scope of works & Supply by the Employer	<p>As per the clause 1. a (ii), First instalment of the advance of 5 % shall be paid against evidence (Rental agreement with land lord) of establishment of site office.</p> <p>However, we understand that the contractor can set up their site office within the substation premises to speed up the execution activities, which is the normal industrial practice being followed. Please confirm.</p> <p>Further, the necessity of "Rental agreement with land lord" does not arise in such condition. Hence we request you to delete such requirement for availing the advance amount.</p>	As per SBD.
15	Vol-I, Section-IX - Contract Forms	Appendix 1. Terms and Procedures of Payment	<p>As per the referred clause it states that " All advance payment shall be interest bearing and shall be recovered progressively from each running bill"</p> <p>From the above clause we presume that interest bearing advance is optional and if contractor doesn't opt for the advance, then progressive payment shall be 90% on prorata basis for supply and installation services.</p> <p>Kindly confirm.</p>	Pl refer Addendum to on amended Appendix 1. Terms and Procedures of Payment.
16	Vol-I, Section-IX - Contract Forms	Appendix 1. Terms and Procedures of Payment	<p>As per the referred clause it states that " All advance payment shall be interest bearing and shall be recovered progressively from each running bill"</p> <p>Being the JICA funded project, we request you to provide the interest free advance to facilitate the mobilization activities. Kindly confirm our request.</p>	Pl refer Addendum to on amended Appendix 1. Terms and Procedures of Payment.
17	Vol-I, Bidding Forms	Bidding Forms, price schedules, schedule No:1 & Schedule No: 2	<p>From the referred schedules of Bidding Forms, We understand that the unit price as quoted in Sch-1/Sch-2 includes the Exworks price along with respective freight Charges and respective taxes(GST/Custom Duty) as applicable.</p> <p>Also, confirm that Taxes and Duties including custom Duties is taken for evaluation. Kindly confirm.</p>	As per SBD.
18		Soil investigation/ Soil profile data	<p>As requested in the Prebid meeting, since conducting soil investigation is not allowed for the bidders in the proposed substation plot due to code of conduct act on account of election, we request you to provide the soil investigation report or Soil bearing capacity data to design the foundations of the building and equipments of the substations by the bidder.</p>	Bidder's scope.
2. CIVIL QUERIES				

Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
1	Price schedule, schedule No.2 (supply) & Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl. No.15 & Sl. No.12	In schedule No. 2 - Supply, Sl. no: 15, Item for GI Cable trays including support GI angle for various cable trench section is given in meter. In schedule No. 4 - Installation and Other Services (Sub-station), Part A- Civil works, Sl. no: 12, item for cable trench is given meter and mentioned that this also including supply of GI angle for cable trays support. Please clarify, the GI angle required for cable trays support will be paid under supply schedule or installation schedule(Civil works).	PI refer amended BoQ.
2	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	--	Please furnish the soil investigation report (if available), in order to decide the foundation depth.	Bidder's scope.
3	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	--	Please furnish the contour map showing existing ground level(if available), in order to decide the foundation depth.	Bidder's scope.
4	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl no: 5 & 6	We trust that, the unit Qty. given in referred Sl. Nos. (i.e. Excavation, PCC & RCC) is inclusive of Foundation works required for the following : i. Towers structure foundations (Including LM) ii. Equipment structure Foundation iii. Bus duct & SF6 air bushing foundation iv. Outdoor GIS foundation Kindly confirm our understanding.	As per BOQ.
5	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	--	We do not envisage pile foundations for the proposed Dhenkanal SS. Please confirm. If it is required, we trust that the same shall be paid as an additional item with mutually agreed rate.	As per BOQ and SBD.
6	Volume - III (TS) E6 - Civil works, Page no: 23 & 41	13.1 & 16.18	The referred clause, the grade of reinforcement is mention as Fe 415. We propose to use Fe 500 grade, Since the same is not readily available in the market. Kindly confirm.	the grade of reinforcement shall be Fe 500 or above. PI refer BoQ.
7	Volume - III (TS) E6 - Civil works, Page no: 38 & 41	16.10 & 1.4 a	As per the clause no:16.10, the minimum thickness of external walls shall be 230mm. However as per clause no:1.4 b), it is indicated as " external walls shall be 250mm thick". Please clarify the wall thickness.	External walls shall be 250mm thick
8	Volume III (TS) E6 - Civil works, Page no: 53 & Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	III & --	As there is a discrepancy between Civil mode of measurement and price schedule. Please clarify whether the civil works will be paid as per price schedule or mode of measurement. If the Civil works shall be paid as per mode of measurement. Please include the following item in the price schedule separately. 1.Reinforcement steel 2.Misc. Structural Steel 3. Stone filling for Transformers.	As per price schedule.
9	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl.no : 16 & Sl.no : 15	In the price schedule item for drain is given separately, however in road work it is mentioned that, the road shall be have Provision of drains on both the side of the roads for easy discharge of rain water. Please clarify, whether the drain will be paid along the road work (or) the same shall be paid separately.	The drains on both the side of the road are an integral part of "road works" and will not be paid separately.
10	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	--	Please confirm, whether we can propose the substation in multi levels. If yes, RCC / stone masonry Retaining wall may be required to be provided. Kindly add an item for the same in the price schedule.	As per BOQ and SBD.
11	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl.no : 21	As per the referred item no. 24 of Price Schedule, the pump house shall be connected to the main road of the switchyard with an approach road. Please confirm whether the approach road for the pump house will be paid as per item no. 21 or item no. 15 of Price Schedule.	Approach road to the pump house is a part of the total scope of the item 'PUMP HOUSE'.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
12	Volume-III (TS) E2 - General Technical Clause, Page no: 16	10.2.2.	As per referred clause, it states that "The minimum weight of the zinc coating shall be 610 gm/sq. m". We wish to propose the following galvanizing thickness for structures as per codal provisions of IS 4759 1. 610gm/sq. m for fabricated steel articles 2. 300gm/sq. m for threaded works (10mm dia and over) Kindly confirm.	As per technical specifications and relevant IS.
13	Scope of works-VOL-II- Section I (Page no: 11) & Price schedule, schedule VIIB (Civil & Erection) Civil works	--	We trust that , if any additional civil item is required in addition to Price schedule item, the same shall be payable as additional item with mutually agreed rate by M/s OPTCL. Please confirm.	As per SBD.
14	Volume III (TS) E6 - Civil works, Page no: 13	8.1	As per referred clause, Manholes shall be provided wherever required. However there is no separate item for the same in the price schedule. Kindly add an item for the same in price schedule.	As per BOQ.
15	Volume III (TS) E6 - Civil works, Page no: 23 & 25	13.1 & 14.1	As per referred clause, Building plinths shall be minimum 300mm above finished ground level. However, as per clause no:14.1, Building plinths shall be minimum 500mm above finished ground level. Please confirm which clause has to be followed.	Building plinths shall be minimum 500mm above finished ground level.
16	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl.no : 20	As per referred item (Sl. No. 20) in price schedule, construction of security shed and watch tower shed at the corners of switch yard is in bidder's scope. However item for security shed is given under Sl. : 20.1 and item for watch tower shed is not included in Price Schedule. Please include the item for the watch tower shed in Price schedule.	As per BOQ.
17	Volume III (TS) E6 - Civil works, Page no: 4 & 46	2.1.1 & 25.0	As per referred clause, The garden to be developed in front of the control room building shall be of size 30mX20m. As per referred clause, a garden in front of the control room building to be developed shall be of size 30mX10m. Please confirm the size of garden to be developed.	As per BOQ.
18	General Layout (Plan) 220/132kV Dhenkanal (New) GIS Substation	--	As per GA drawing, FPPH building, Water tank for fire fighting, DG building and vehicle parking shed are in bidder's scope. However there is no separate items for the same in price schedule. Kindly add separate items for the same in price schedule.	As per BOQ.
19	Price schedule, schedule No.2 (supply)	Sl.no : 17	As per Sl. No. 17, All equipment support structure shall be pipe type. However as per Sl. No. 17.4, it is mentioned that lattice type for equipment. Kindly confirm type of structure to be provided for equipment support structures.	PL.refer amended BoQ.
20	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl.no : 29, 30 & 20	Kindly provide following drawings in order to estimate quantum of civil work. 1. Control Room Building 2. Residential Quarters - D type & E type 3. Security shed	Bidder's Scope.
21	Price schedule, schedule No. 4. Installation and Other Services (Sub-station), PART A - Civil Works	Sl.no : 6	We presume that, concrete allied works (RCC, PCC etc.,) required for foundation works are given under referred line item. However there is no separate item for the reinforcement steel. Kindly add separate line item for the same in price schedule in order to bring more competitive in bidding.	PL.refer amended BoQ.
3. ELECTRICAL QUERIES				
1	Vol- II, Schedule-1-SS ,	Sr.no.1	As per the line item description, the Short Circuit rating for 245kV outdoor GIS is indicated as 50kA for 1 sec. However, the same is indicated as 40kA for 3 sec as per E3-System data Sl.No.11. Please check and clarify the actual short circuit level & its duration.	Short circuit rating for 245kV outdoor GIS shall be 50kA for 3 seconds. PI refer amended BoQ.
2	Vol- II, Schedule-1-SS ,	Sr.no.2	As per the line item description, the Short Circuit rating for 132kV outdoor GIS is indicated as 40kA for 1 sec. However, the same is indicated as 31.5kA for 3 sec as per E3-System data Sl.No.11. Please check and clarify the actual short circuit level & its duration.	Short circuit rating for 145kV outdoor GIS shall be 40kA for 3 seconds. PI refer amended BoQ.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
3	Vol- II - Price schedule, Schedule-1-SS ,	S.No.1.3, Outdoor GIS equipment (220kV)	As per referred line item description of price schedule, 2000A current rating is mentioned for 220kV busbar. However, as per Tender SLD the current rating of Bus bar is indicated as 3150A. Please check and confirm the bus bar current rating.	Continuous current rating for 245kV outdoor GIS Busbar shall be 3150A . PI refer amended BoQ.
4	Vol- II - Price schedule, Schedule-1-SS ,	S.No.2, Outdoor GIS equipment (132kV)	As per referred line item description of price schedule, 1250A current rating is mentioned for 132kV busbar & bays. However, as per Tender SLD 2000A current rating is mentioned for busbar & all bays. Please check and confirm the current rating.	Continuous current rating for 145kV outdoor GIS Busbar shall be 2000A . PI refer amended BoQ.
5	Vol- II - Price schedule, Schedule-1-SS ,	S.No.1, Outdoor GIS equipment	As per referred line item description of price schedule, 50kA for 3 sec is mentioned for all 220kV equipment. Whereas 50kA for 1 sec is mentioned for Disconnector and Ground switch in GIS technical specification, Clause No.4.2.2 & 4.2.3	Short circuit rating for 245kV outdoor GIS shall be 50kA for 3 seconds. PI refer amended BoQ.
6	Vol- II - Price schedule, Schedule-1-SS ,	S.No.2, Outdoor GIS equipment	As per referred line item description of price schedule, 40kA for 3 sec is mentioned for all 132kV equipment. Whereas 40kA for 1 sec is mentioned for Disconnector and Ground switch in GIS technical specification, Clause No.4.2.2 & 4.2.3	Short circuit rating for 145kV outdoor GIS shall be 40kA for 3 seconds. PI refer amended BoQ.
7	Vol- II, Schedule-1-SS ,	Sr.no.3 & 7	The short time rating as per the technical specification of outdoor isolators shall be 40kA for 3sec & 31.5kA for 3sec respectively for 220kV & 132kV system. However, as per E3 (system data) the same is indicated as 40kA for 1sec & 31.5kA for 1sec respectively for 220kV & 132kV system. As per BPS, the short time rating of GIS equipment shall be 50kA for 3sec & 40kA for 3sec respectively for 220kV & 132kV system. Hence, please check and confirm the actual short time current & duration to be followed for 220kV & 132kV outdoor air insulated isolators.	PI refer revised BoQ.
8	Vol- II - Price schedule, Schedule-1-SS ,	S.No.3 & 7, Isolator	As per referred line item description of price schedule, Outdoor type Air insulated Isolator shall be provided in 245kV and 132kV line bay. But the same is not indicated in Tender SLD. Please check and confirm.	PI refer Layout, the same is indicated.
9	Vol- II - Price schedule, Schedule-1-SS ,	S.No.3 & 7, Isolator	Outdoor type center break Isolator is shown in Tender General layout of 245kV and 132kV line bay . But the technical specification provided is for double break isolator. Please check and confirm the type of isolator. If it is center break isolator, please provide the specification for the same	TS for 245kV and 132kV Outdoor type center break Isolator uploaded.
10	Vol- II - Price schedule, Schedule-1-SS ,	S.No.4 & 8, CVT	As per referred line item description of price schedule, Outdoor type CVT shall be provided in 245kV and 132kV line bay. But the same is not indicated in Tender SLD. Please check and confirm the requirement of CVT for Line bays.	PI refer amended BoQ.
11	Vol- II - Price schedule, Schedule-1-SS ,	S.No.8, CVT	As per referred line item description of price schedule, 6600pF capacitance value is mentioned. Whereas in the Technical specification E16-IVT & CVT, Appendix-I, sl.no.29, 4400pF is mentioned for 132kV CVT. Please check and confirm the capacitance value of 132kV CVT.	PI refer amended BoQ.
12	Vol- II, Schedule-1-SS ,	Sr.no.10, 132kV cable termination kit	Please provide the 132kV EHV cable size for connection between 132kV outdoor line equipment to 132kV GIS bay (or) Please confirm whether BPS line item no. 12.14 is applicable for Line bays also.	PI refer amended BoQ.
13	Vol- II, Schedule-1-SS ,	Sr.no.10, 132kV cable termination kit	Please bifurcate the referred line item as indoor (GIS) and outdoor 132kV cable termination kit.	PI refer amended BoQ.
14	Vol- II - Price schedule, Schedule-1-SS ,	S.No.16.7, Energy meters	With respect to Energy meters please confirm the following: a) specification detailing the requirements such as ABT & TOD features b) Whether separate CT & PT cores are required? c) Bays for which Energy metering is required at each voltage level	PI refer amended BoQ.
15	Vol- II, Schedule-1-SS ,	Sr.no.19, FOTE	Please specify the following for FOTE: a) Number of directions b) Distance between Dhenkanal & Remote end stations	As per SLD.
16	Vol- II, Schedule-1-SS ,	Sr.no.19.5, RTU	As per referred line item description of price schedule RTU is indicated in scope. As Substation Automation system is envisaged for this package, please clarify the requirement of RTU.	PI refer amended BoQ.
17	Vol- II - Price schedule, Schedule-1-SS ,	S.No.19.6 & 19.7, 48V battery and battery charger	The quantity of 48V Battery & charger is indicated as 1set. We presume 1set as 1number. Please confirm.	As per BoQ
18	Vol- II - Price schedule, Schedule-1-SS ,	S.No.19.6 & 19.7, 48V battery and battery charger	As per Volume-II, Chapter- E19-Distribution board, Clause No. 10.1 (A), SI No. 8, 2 set of 48V DCDB is mentioned. However, as per BPS, the battery & charger set shall be 1 number only. Please clarify the 2nd incomer source for 48V DCDB.	PI refer amended BoQ.
19	Vol- II - Price schedule, Schedule-1-SS ,	S.No.19.12, Earth Flat, Cable Tray, Telephone cable, ACDB, DCDB, Foundation rail, Junction Box,.	Please note that Earth flat & ACDB are once again repeated under SI. No. 19.12 of BPS. Already these items are covered under SI. No. 14 & 25 respectively. Please clarify the items to be quoted under this line item of BPS against Earthing & ACDB.	PI refer amended BoQ.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
20	Vol- II, Schedule-1-SS ,	Sr.no.20.1	As per referred line item description of price schedule,160MVA, 220/132kV Auto transformer is mentioned. However, the technical specification provided is for 160 MVA, 220/132/33 KV AUTO TRANSFORMER. Please check and confirm the requirement of tertiary winding.	As per Technical specification.
21	Vol- II, Schedule-1-SS ,	Sr.no.20.3	Short time current rating for 33kV equipment is not indicated in the BPS. From the technical specification, E3 (System data) we understand that the 33kV system Short circuit current rating is 25kA for 3 sec. Please confirm.	As per TS.
22	Vol- II, Schedule-1-SS ,	Sr.no.20.3	Please clarify the source of 33kV system supply for 33/0.415kV auxiliary transformer.	From the existing 132/33KV S/S through cable.
23	Vol- II, Schedule-1-SS ,	Sr.no.24.1 & 24.2	We understand that location of 220kV and 132kV CRP is in yard AC kiosk. Please confirm whether Bidder's understanding is in order. We also understand that, even though it is GIS package, AC kiosks housing C&R Panels are to be located near adjacent bays. Kindly confirm.	To be decided during detailed engineering.
24	Vol- II, Schedule-1-SS , protection	Sr.no.24.1.7, Numerical centralised bus bar	As per referred line item description of price schedule, centralised busbar protection is indicated for 220kV. If the Control & relay panels are located in the yard AC kiosk, then Decentralized Busbar protection is the preferred solution. Please check and confirm.	As per TS.
25	Vol- II, Schedule-1-SS ,	Sr.no.24.1.3, Distance protection relay	As per referred line item, 4 nos of distance protection relays are provided for 4 line bays. Whereas, as per Technical specification of 220kV line protection, Main-I & Main-II protection are required for 220kV line bays. Accordingly the quantity shall be 8Nos. instead of 4Nos. Please check and confirm the requirement.	PL refer amended BoQ.
26	Vol- II, Schedule-1-SS ,	Sr.no.24	We request OPTCL to provide bay-wise Line item for Control & relay panels (similar to Bhadrak outdoor GIS package) instead of quantifying the number of protection relays & auxiliary relays.	PL refer amended BoQ.
27	Vol- II - Price schedule,	Schedule-1-SS, Sl No. 25, AC system	As there is no line item available for Diesel generator in Price schedule, please clarify the source for Emergency AC supply.	DG set is available in existing 132/33KV Dhenkanal S/S.
28	Vol- II - Price schedule,	Schedule-1-SS , S.No.25.2.2, 220V DC Emergency DB	Please furnish the purpose of 220V DC emergency DB and its configuration as the feeder list for the same is not available in Section-E19- Distribution board.	As per BoQ
29	Vol- II, Schedule-1-SS ,	Sr.no.26, Battery type	As per referred line item description of price schedule, 350Ah plante type battery is mentioned. Whereas, as per Technical specification of battery E17-BATTERY & BATTERY CHARGER, VRLA type is specified for 350Ah rating. Please check and confirm the requirement.	As per BoQ.
30	Vol- II, Schedule-1-SS ,	Sr.no.27, Battery charger	As per referred line item description of price schedule, 2 set of battery charger is mentioned. However, as per Technical specification requirement, Battery charger shall be float and float cum boost charger. We understand that 1 set of battery charger comprises of 1no. float and 1no. float cum boost charger. Accordingly, 2sets shall consists of 2No. Float chargers & 2No. Float-cum-boost chargers. Please confirm whether bidders understanding is order and inform all the bidders to quote suitably.	As per BoQ.
31	Vol- II - Price schedule,	Schedule-1-SS , S.No.33, 34 & 35	Please furnish the Annexures-I, II & III as mentioned in the line items 33, 34 & 35 of Bid price schedule.	Pl. refer Bid Document and TS.
32	E1: General clause,	1.3 Interfacial point of line termination	We understand that Transmission line hardware is not included in the scope of this package. The same shall be supplied by TL contractor. Please confirm whether Bidder's understanding is in order.	As per BoQ
33	Technical specification, Vol -II, E2, General technical clauses,	Cl. 12.4.4 & 12.4.5	Based on the referred clauses, we propose cable laying on angle supports in outdoor switchyard and on trays inside control building & GIS building. Please confirm.	As per TS nd BoQ.
34	Section E3 - System Data,	S.No. 17	As per the referred section, the creepage distance is given for 25mm/kV. However the creepage for SF6 to Air Bushing is mentioned as 31mm/kV as per Section E30A, Cl.4.2.7, Page 26 of 50. Please check and clarify.	Creepage for SF6 to Air Bushing mentioned as 31mm/kV as per Section E30A, Cl.4.2.7 shall be considered.
35	Technical Specification Vol.II - E6, Civil works,	Clause No. 12.8.1	As per referred clause, clear (vertical) space of at least 300mm shall be available for each tier in cable trench. But as per same clause, page No. 19(table), gap between two angles shall be 200mm. As both the clauses are contradicting, Please check and confirm actual vertical space between tiers.	The data given in the table is to be considered.
36	Vol -II, E21-CONTROL & RELAY PANELTO B,	Clause No.7.6.1.11	As per referred clause, Low/medium impedance biased differential relay shall be provided for Busbar protection. We interpret medium impedance as high impedance. Please confirm whether Bidder's understanding is in order.	As per TS.
37	Vol -II, E21-CONTROL & RELAY PANELTO B,	Clause No.7.6.1	We don not envisage any bus bar protection for 132kV system as the same is not mentioned in the BPS. If required please add a separate line item. Please check and confirm the requirement.	As per TS and BoQ.
38	Vol -II, E21-CONTROL & RELAY PANELTO B,	Clause No. 11.2, 220/132KV Transformer protection panel Sl No. 1 & 3	As per referred clause , Sl No.1, REF can be in built feature of transformer differential IED. But as per Sl No.3 of the same clause, Separate REF relay shall be provided. Please check and confirm the actual requirement.	As per TS and BoQ.

Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
39	Vol -II, E24 -Sub Station Lighting System		Kindly provide the uniformity ratio (i.e.Min/Max) & Maintenance factor for indoor & Outdoor Lighting.	Will be provided to the bidder during project execution.
40	Vol -II, E24 - Sub Station Lighting System,	Cl.7	As per the referred clause the details of Lighting Transformer is provided. But in price bid schedule the same is missing. Please include the lighting transformer in the price bid schedule, if required. The rating of Lighting transformer is indicated as 100kVA (or) 75kVA in specification. Please check and confirm the exact rating.	As per BOQ.
41	Vol -II, E30A, GIS technical specification,	Clause No.4.2.1 , Rated current	As per referred clause rated current has been mentioned at 40 Deg. C. But as per Clause No. 4.2.2, Page No. 20, Nominal rating of GIS components shall be 50 deg C. As both the clauses are contradicting, we propose to follow 40Deg. C ambient for all GIS bays in line with IEC.	50 deg C shall be followed.
42	Vol -II, E30A 400_220_132kV Outdoor GIS Spec		a) Whether integral type LCC is acceptable for 220kV and 132kV GIS equipment. Please confirm b) Please specify the degree of protection for LCC panel?	a) Confirmed. b) IP54
43	Vol -II, E30A 400_220_132kV Outdoor GIS Spec	cl.4.2.19 a)	As per the referred clause the type test should be carried out atleast one (1) year before the date of NIT. As the validity is very stringent we request OPTCL to check and extend the validity of type test reports to 10 years.	As per technical specifications.
44	Vol -II, E30A 400_220_132kV Outdoor GIS Spec	cl.4.2.22, Truck crane	As per the referred clause, Truck crane of suitable capacity is mentioned for outdoor GIS maintenance. In this regard, please add a separate line item in the BPS & furnish technical specifications for the same.	The bidder is required to include the cost of truck crane for the installation and erection only in Price of GIS modules of schedule no.4 under the bidder's responsibility, but the supply of truck crane is not in the scope of the contract.
45	Vol -II, E31-33 -132-220 KV XLPE CABLE SPEC,	Cl.no 8.7.1.0	We do not envisage prequalification test for EHV cables under this package. Please confirm	As per TS.
46	Vol -II, E31, 132kV Power cable,	Clause No. 1.3.5, Cable parameter, SI No. viii), Fault level	As per referred clause, Fault level for Conductor & Metallic sheath shall be 31.5KA for 1 sec for 132kV Power cable. But, as per price schedule, 132kV GIS short circuit rating shall be 40kA for 3 sec. In this regard, please check and confirm the Fault level to be considered for 132kV Cable.	PL. REFER TS- TECHNICAL DATA FOR 132KV SINGLE CORE 1000 & 630 SQMM XLPE INSULATED CABLE
47	Vol -II, E31, 132kV Power cable,	Clause No. 2.0 Page No. 45/81	As per referred clause, Bonding cable and link boxes are envisaged for 132kV XLPE power cable. Please add separate line item for the following a) Cable Joint b) Bonding cable c) Link box Else, please clarify in which item these accessories shall be quoted.	PL refer amended BoQ.
48	Vol -II, E31, 132kV Power cable,	Clause No. 2.1.3 Page No. 45/81	As per referred clause, type test report validity for 132kV power cable shall be 5 years. But as per clause no. 7.1.0.5, Page no. 47/80, Type test validity for the 132kV Cable & accessories shall be 10 years. We shall provide valid test reports not older than 10 years. Please confirm acceptance.	Type test report should not be more than five years old, reckoned from the date of bid opening.
49	Vol -II, E31, 132kV Power cable laying ,	Clause No. 1.1.5 Page No. 43/81	a) Please clarify that 132kV Power cable shall be laid in trefoil formation or fiat formation. b) Whether cables are laid on support angles inside trenches (or) laid on direct buried trenches?	cables are to be laid on support angles inside trenches
50	Vol -II, E31, 132kV Power cable laying ,	Clause No. 1.1.5 Page No. 43/81	Please include separate line item in price schedule for 132kV power cable accessories; a) Trefoil clamp b) Warning tape c) Warning net Else, please clarify in which item these accessories shall be quoted.	Bidder's scope to be considered in Erection of cable.
51	Vol -II, E31-33 -132-220 KV XLPE CABLE SPEC,	Clause No. 1.3.1, page No. 34 of 81	As per referred clause, 132kV Cable shall be preferred of FIPC type i.e. Fiber Integrated in the Power Cable. However, in price schedule separate 12C FO cable is mentioned which will be laid along the 132kV EHV cable between station. We understand that FIPC type cable is not applicable for this tender. Please confirm.	As per BoQ.
52	Vol -II, E31-33 -132-220 KV XLPE CABLE SPEC,	Cl.no 8.7.1.0 & 7.3.6	We do not envisage any repetition of type test and short circuit test on 132kV EHV cables if bidder submit valid test reports not older than 10 years. If type test and short circuit test need to repeated, then please inform all Bidders & include separate line item in the price schedule to quote special test charges. Please confirm	As per TS.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
53	Vol -II, E31-33 -132-220 KV XLPE CABLE SPEC,	Cl.no B.7.1.1 & C.1.6.0	As per referred clause of technical specification, reports of type tests conducted only at CPRI, KEMA (Netherland) & CESI (Italy) are acceptable. In this regard, we request OPTCL to accept test reports from the following renowned laboratories also: a) F.G.H,Germany, b) CERL,U.K., c) EDF, France, d) KERI, South Korea e) IPH-Berlin – Germany f) Xihari, China Please confirm acceptance	As per TS.
54	Vol -II, E32, Digital power line carrier equipment		As part of tender documents, specification for PLCC is enclosed. However, there is no separate line item for PLCC and its accessories in the BPS. We presume PLCC is not required for this project. Please confirm.	As per BoQ.
55	Vol -II, E35, Fiber Optic Terminal Equipment,	Clause No. 1.7, Network Management System (NMS)	We are considering only SDH equipment with necessary interface cards as per BPS. Network Management System as indicated in the referred clause is not envisaged in the present scope of work. We presume that NMS shall be included in a separate contract as it involves work at SLDC. Please confirm whether Bidder's understanding is in order.	As per BoQ and TS.
56	Vol -II, E21 & E37, TS of control and relay panel		There are two different Specification for Control and relay panel (E21 & E37). We presume that E21 is applicable for conventional control & relay panels. Hence we shall follow only E-37 which is SAS based. Please confirm whether Bidder's understanding is in order.	Revised Technical specification for SAS uploaded.
57	PRP Architecture		Please confirm whether Parallel Redundancy Protocol (PRP) architecture is required for Bay Control Unit (BCU), Bay Control Protection Unit (BCPU), protective relays both at bay level and station level.	The SAS shall be in the PRP based. The relays should be compatible to redundant communication architecture and shall be complied with IEC 62439-3 standards of parallel redundancy protocol (PRP). Revised Technical specification for SAS uploaded.
58	Vol -II, E43, 160MVA, 220/132/33kV Power transformer		We are not envisaging online DGA , Online insulating oil drying system & NIFPES for power transformers as same is not mentioned in the technical specification. Please confirm.	As per TS.
59	Vol -II, E43, 160MVA, 220/132/33kV Power transformer, Type test charges		As per referred clause, the charges for conducting each type test shall be quoted in the relevant price schedule. But in BPS there is no line item for type test charges. If type test shall be conducted, please include separate line item for same.	The cost of transformer shall be inclusive of all costs towards type test charges, Mandatory spares, Spanners & Special tools, and accessories, etc as specified in the Technical specification.
60	Vol -II, E43, 160MVA, 220/132/33kV Power transformer.		Please confirm if Bidder submits valid type test reports of already type tested transformer, can the repetition of type tests be waived off?	
61	General Inputs		Please furnish the following details: 1. Control room building layout 2. Equipment layout for Type-D & Type-E quarters 3. Remote end location and total length of the line 4. Cable trench section drawing	Bidder's scope. Pl. refer TS and BOQ.
62	General		Please furnish the specification for the following equipment: a) SMPS charger b) 350Ah plante battery c) Truck crane	Furnished
63	General		Kindly confirm whether the LBB is acceptable as inbuilt feature of Busbar protection relay.	LBB can be as inbuilt feature of Busbar protection relay.
64	Indoor lighting for control room building, FFPH, Quarters building and store building		Please include separate line item in price schedule for indoor lighting of control room building, FFPH, Quarters building and store building. Else, please clarify in which item these items shall be quoted.	Pl. refer BoQ.
65	Modular Cable sealing system		Modular Cable sealing system is not indicated in BPS. In this regard, we request OPTCL to check the requirement of cable sealing system and include a separate line item in the BPS if required.	Bidder's scope.
66	Visual monitoring system.		We do not envisage Visual monitoring system (VMS) for this package. If required, please provide the technical specification and add separate line item in the price schedule.	As per BOQ.
67	EPABX & Telephone system		We are not envisaging any EPABX & Telephone system in the present scope of work. If required, please add a separate line item in the BPS and furnish technical specification for the same.	As per TS.
68	Remote end substation		We do not envisage any scope of work in the remote end substations. Please confirm	As per BOQ and technical specification.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
69	Order of precedence		In case of discrepancies between Technical specification, Drawing & Bid price schedule please clarify the order of precedence to be followed	As per SBD.
70	Type test validity		We propose type test reports not older than 10 years as on date of Bid opening, for all major equipments such as GIS, EHV cables, Power transformers & Outdoor AIS equipments. Please confirm.	As per technical specifications.
71	Dynamic short circuit withstand test for transformer		We understand that Dynamic short circuit withstand capability of 160MVA transformer can be proved by means of calculations, as no testing requirements are envisaged in the specification. Further, if test reports are required, we request OPTCL to accept Dynamic short circuit withstand tests conducted on similar or higher rated transformers (both MVA & voltage) in line with IEC60076-5. If Dynamic short circuit withstand test need to repeated, then please inform all Bidders & include separate line item in the price schedule to quote special test charges.	As per TS.
72	Mandatory spare & special tools		Please confirm whether the following items are required: a) Mandatory spares for GIS & Transformer. If required, please provide the list of mandatory spares b) Special tools for GIS & Transformer. If required, please provide the list of tools	PL. refer amended BoQ.
3. Mechanical QUERIES				
1	Price schedule point no. 23.8, Fire Extinguishers - 50 L Mechanical Foam		Due to BIS Standard changes 50 L mechanical foam production stopped. As per new standard IS 16018 for all trolley mounted extinguishers. Mechanical foam fire extinguishers will be available in the following capacities 20,45,60&125L. We will consider 45 L capacity instead of 50 L as per price shedule quantity. Kindly confirm	Confirmed.
2	General - Firefighting system		Our scope only supply of fire extinguishers - qty. as per price schedule. Kindly confirm	As per BoQ.
3	General - Firefighting system		We understand there is no requirement given for firefighting system (pumping system, hydrant system and HVWS system). so we will not consider the same. Kindly confirm whether we need to consider. Also if required please include the line item in the price schedule.	As per BoQ.
4	General - Firefighting system		We understand there is no requirement given for Fire detection and alarm system. . If required please include the line item in the price schedule. so we will not consider the same. Kindly confirm whether we need to consider. Also if required please include the line item in the price schedule.	Refer amended BoQ.
5	General - Ventilation system		Ventilation system requirement not given for Control Room Building and other. We will not consider any ventilation fans including toilets. Kindly confirm	As per TS.
6	Price schedule point no. 28.2.1 under Schedule-4- SS - Yard AC Kiosk :4500 mm (L)x4000mm (W)x 3500mm (H) with Air Conditioning (As per the		Specification not available for KISOK in (PKG-3-Vol-III of III-E22-AIR CONDITIONER). Kindly share the specification and provide separate line item for air conditioning.	E40-TS YARD AC KIOSK uploaded

Sr. No.	Clause Reference	Clause Description	Bidder's Observation	OPTCL's Reply
1	General	General	Please furnish Tender SLD for 220/132kV Substation	Uploaded in OPTCL website.
2	Vol III, Pg. No. 2/14, Cl. 2	-	Please furnish Overall Layout drawings and plot plan indicating location & orientation of 220kV & 132kV Over head Transmission lines.	Uploaded in OPTCL website.
3	Vol III, Pg. No. 2/14, Cl. 2	Substation Description- 400kV Busbar shall be rigid type and 220kV busbar shall be flexible strin type.	We understand the said clause reference is general in nature and not applicable for proposed 220/132kV Dhenkanal GIS S/S. Please confirm.	Confirmed.
4	Vol III, Pg. No. 5/14, Cl. 3	Drawings attached with the Tender Documents	Bidder couldn't find any drawings along with the Tender documents. Kindly furnish the same for Bidder to study the same.	Engineering and design is under the scope of the Bidder. However, the related drawings available will be provided in the vent of award of the contract.
5	Vol III, E3 System Data	220kV Fault Duration - 40kA / 1s 132kV Fault Duration - 31.5kA/ 1s	As per Bid Price Schedule, 220kV GIS shall be rated for 50kA/3s and 132kV GIS shall be rated for 40kA/3sec. Please confirm that fault rating for GIS shall be considered as per rating indicated in Bid price schedule and for all other equipments the SC rating shall be followed as per System Data.	220kV GIS shall be rated for 50kA/3s and 132kV GIS shall be rated for 40kA/3sec.
6	Vol III, E14 Station Transformer , pg. No 2 of 28	Rated HT/LT Voltage = 33/0.433kV	As per Bid Price Schedule Item no. 20.2, Station Transformer Rating is 33/0.4kV. Please confirm the voltage rating of Station Transformer to be followed.	As per BOQ.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
7	General	Bid Price Schedule	Please confirm that ratings & sizes indicated in Bid price schedule for Batteries, DCDB, ACDB & Earthing conductors are firm and there is no need to perform sizing calculation for the same.	As per BOQ and technical specifications.
8	General	-	Please furnish following drawings for estimation of the Tender quotation: 1. Key Single Line Diagram of 220/132kV Proposed substation. 2. Reference layout drawing of AC Yard Kiosk. 3. Aux. Single Line Diagram. 4. Control Building Layout. 5. Overall Plot Plan.	Apart from SLD and General layout Plan all other drawings are in Bidder's Scope.
9	General	-	Please inform whether 132kV cable will laid in Trenches on cable rack supports or will be directly buried.	132kV cable will laid in Trenches
10	General	-	Please inform whether 132kV cable will be grounded at both ends or only at one end.	As per technical specifications.
11	General	-	We have observed that no 48V DCDB is considered in the Bid Price Schedule. Please clarify how the 48V DC supply distribution will be done.	Pl. refer SI No.19.12 of SI. No.19 -ACCESSORIES FOR PLCC SYSTEM of Schedule No. 1. and 2 : (Sub-station).
12	Vol-II, Bid price Schedule, Cl.no. 25.1.1	Main ACDB rating is indicated as 800A, 50kA/1s	Please note that Station Transformer feeding Main ACDB is rated for 250kVA as per Bid Price Schedule. As the Main ACDB doesn't have any feeders which can substantially back feed the fault current only the Station Transformer will feed fault to Main ACDB. Considering the above scenario Bidder proposes rating of Main ACDB as 630A, 25kA/1s. Please confirm if Bidder's proposal is acceptable.	As per BOQ and technical specifications.
13	General	-	We understand that there is no remote end modification/supply is in scope of this tender. Please confirm.	As per SBD.
14	General	-	250kVA EDG specification is furnished, however in the Bid Price Schedule no item for EDG has been considered. Please confirm whether EDG is applicable for this Tender and if required please amend the bid price schedule.	As per BOQ.
15	Vol III, E6, Cl. No. 16.2	"An open space of 1 meter shall be provided on periphery of rows of Panels.....".	Bidder proposes to keep Panels wall flushed or 200 mm on the rear side of Panel rows for panels located in Yard AC Kiosk. Please confirm.	As per technical specifications.
16	Vol III, E6, Cl. No. 19	Water Supply - "Water shall be made available at a single point by Employer".	Please indicate the Water supply terminal point in the Tender Plot Plan and also inform the pressure of water at terminal point.	As per tender condition
17	Vol III, E37, Cl. No. IX	p. It is the bidders' responsibility for complete engineering/supply of necessary equipment at both the end, installation, testing & successfully commissioning of entire system as stated above including putting it to commercial operation	We presume that, the work at Remote Control Centre(s) will be done by OPTCL. Kindly confirm	As per tender condition.
18	BPS Item No. 24.1.7	-	We presume to supply the BB Protection System is limited to Current scope of work. No Futurebay is considered - Kindly confirm	BB Protection System should cover the Current scope of work as well as future scope.
19	BPS Item No. 24.1.4	Differential relay quantities mentioned - 2 Nos.	However, As per Specification 220/132kV Trafo Shall have 2 Differential Protections Relays (2 for Each Transformer - Total 4 Nos). Kindly confirm, If required, kindly amend the BPS	Revised BoQ uploaded
20	BPS Item No. 24.1.5	Numerical OC & EF relay quantities mentioned are - 2 Nos.	However, As per Specification Each bay shall have Numerical OC & EF Relays, (2 Lines, 2 Transformers & 1 BC - Total Qty 5 Nos). Kindly confirm, If required, kindly amend the BPS	Revised BoQ uploaded
21	BPS Item No. 24.3.4	UPS 1 KVA - 2 Nos	As per Spec; 3kVA are required. Kindly confirm the Capacity & Qty. If required, kindly amend the BPS	UPS 3 KVA - 2 Nos
22	VOL-III (TS) E37-SUB-STATION AUTOMATION Clause XI	-	Kindly confirm the Architecture of the SAS System, Whether PRP is required in SAS. In protection relay requirements, this is not mentioned	The SAS shall be in the PRP based. The relays should be compatible to redundant communication architecture and shall be complied with IEC 62439-3 standards of parallel redundancy protocol (PRP). Revised Technical specification for SAS uploaded.
23	BPS Item No. 24.1.20	Event Logger Panel - 1 No	Since the System is with IEC 61850 based, kindly confirm the requirement of Separate Event Logger Panel	Not required. Quantity shall be considered as ZERO.
24	BPS Item No. 24.2.3	Distance relay quantities mentioned - 2 Nos.	As per Scope there are 4 Nos. of 132kV Lines. Kindly confirm the Qty., If required, kindly amend the BPS	Revised BoQ uploaded
25	Vol III, E29, Cl. No. 1.00.00	Intent of specification - HVWS	For 160MVA transformer, no fire protection system is defined in BPS. So we are considering the HVWS system for the transformer. plz confirm.	As per BOQ and Technical specification.
26	Vol III, E6, Civil works	Pumping system and hydrant system	For HVWS system, complete pumping system and FFPH is required along with hydrant system for control room building which is not defined in BPS. So we are considering the same. Plz confirm.	As per BOQ.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
27	Vol III, E6, Civil works	FFPH building is required	In BPS, FFPH building is not defined but in Civil TS FFPH building is envisaged. Plz confirm.	As per BOQ.
28	Vol III, E29, Cl. No. 9.00.00	Fire fighting system	we understand that conventional type fire detection system is to be required for CRB. Plz confirm.	As per BOQ.
Sr.No	Clause No	Description	Query	OPTCL Reply
1	ITB 11.2 (I), Option A - Section II. Bid Data Sheet	The Bidder shall submit with its Technical Bid the following additional documents: 1. Details of Manufacturing / Fabrication / Service facilities of the Bidder or its Sub-Vendor / Sub-Manufacturer. 2. Type Test certificate of the Bidder or its Sub-Vendor/Manufacturer, of the Major items of Plant & Equipment (GIS Equipment with GIB, Transformers, CR panel, CT & PT, LA and Isolator) conducted as per EQC to be supplied under this contract. 3. Details of credential of Sub-Vendor/Manufacturer to be engaged under the Contract in satisfaction of EQC. 4. Details of credential of Sub-Contractor(s) to be engaged under the Contract in satisfaction of EQC	Collection and Submission of Type test reports for Major items of Plant & Equipment (GIS Equipment with GIB, Transformers, CR panel, CT & PT, LA and Isolator) will become too bulky to submit along with technical bid. We request to kindly accept an undertaking from us to submit the type test test reports & GTP after award of the contract. Please Confirm.	It is recommended to submit type test certificates/GTP of all major equipments as per SBD.
2	ITB 18., Option A - Section II. Bid Data Sheet	Bidders shall quote for the entire Plant and Installation Services on a single responsibility basis.	Please Clarify this is a Single or Divisible contract supply & Erection Contract	As per SBD & BOQ given. This is indivisible "Works Contract" covering supply of Material/Equipment/Spares, Erection, Installation & Commissioning and Associated Civil Works.
3	EQC - Option A - Section III. Evaluation and Qualification Criteria	Gas Insulated Switchgear (GIS) (Outdoor type)	We request to kindly accept an undertaking from us to submit the type test test reports from after award of the contract.	As per SBD
4		Substation Automation System (SAS) and Protection Relays		As per SBD
5	2.5 Subcontractors/manufacturers	Commissioning of the works as per BOQ	However, As per the qualification requirement we will submit MAFAs per the tender format along with Performance certificates from Manufacturere along with the technical bid.	As per SBD
6	Section IX. Contract Forms Bank Guarantee Form for Advance Payment	[Note: For Bank Guarantee (BG), the following listed banks/branches may be considered for OPTCL convenience. 1) Union Bank Of India 2) State Bank of India 3) Uco Bank 4) United Bank of India 5) Axis Bank 6) IDBI Bank Ltd. 7) Andhra Bank 8) Syndicate Bank 9) ICICI Bank Ltd. 10) Bank of India	Please confirm the Bank along with following Details for Arranging EMD on SFMS platform 1) Beneficiary Account no. 2) IFS Code 3) Branch Code, 4) Branch Address.	ICICI Bank Bhubaneswar, (The Unique Identifier for field 7037 is "OPTCL541405793") IFSC Code ICIC0000061. Branch Address: ICICI Bank Ltd Bhubaneswar Main Branch, Bhubaneswar
7	ITB 22.1, Option A - Section II. Bid Data Sheet	In addition to the original of the Bid, the number of copies is: two (2)	We request you to please accept the original + 1 Copy for ease of submisson	As per SBD.
8	Option A - Section III. Evaluation and Qualification Criteria Clause -3 of 2.5 Subcontractors/manufacturers	3. 220 kV & 132 kV GIS shall have to be supplied from the same manufacturer.	Since approved vendor for GIS equipment is not mentioned in the Appendix 5. List of Major Items of Plant and Installation Services and List of Approved Subcontractor, We request you to please accept Separate Manufactureres for economic bidding.	As per SBD and technical specifications.
9	Appendix 5. List of Major Items of Plant and Installation Services and List of Approved Subcontractors	Approved Vendor List	Approved Vendor List for 220 / 132 / 33kV Gas Insulated Switchgear (GIS) is missing, please provide the same information.	The Manufacturer of 220 / 132 kV Ourdoor Gas Insulated Switchgear (GIS) must meet the requirements specified in the SBD and Technical specification.
10	General	8.3 To give Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may extend the deadline for the submission of Bids, pursuant to ITB 24.2.	In line with this clause, we request you to please extend tender closing date for 3 weeks on the basis voluminous documenatation and work involved with bid preparation.	Extension if any will be notified and uploaded on OPTCL website accordingly.
11	General		We under stand that Land Aqisition for site is completed by the Employer. Please Confirm	Yes.

Sl. No.	Volume / Section	Clause No / Drawing No.	Bidder's Query	OPTCL's Reply
12	General		Electrical Inspector fee if any to be paid for commissioning of line will be to the account of Employer. Please Confirm	Getting electrical inspector to inspect the plant and equipment is the responsibility of the Contractor. OPTCL shall endeavor to facilitate for getting electrical inspector to inspect. However, the statutory fees shall be reimbursed by OPTCL.

Sp. ch
12/14/19