

Reference Identification No.: [OPTCL/JICA/PKG-4]			
Invitation for Bids NO. IFB No: [CPC/JICA/ICB/4/17-18]			
Loan Agreement No: [ID-P245]			
NAME OF PROJECT: Procurement of 220/132/33kV Turumunga S/S and T/L and 132/33kV Chandipur S/S and T/L in Odisha State of India under Package-4.			
CLARIFICATION TO ADDITIONAL QUERIES RECEIVED FROM FIRMS AFTER SUBMISSION OF REPLY TO PRE-BID QUERIES			
Sl.No.	Query	NAME OF CLIENT:- ODISHA POWER TRANSMISSION CORPORATION LIMITED, Bhubaneswar	OPTCL Reply
1	We shall import the LL conductor from Abroad, Custom Duty, Port Clearance shall be paid by Client, because it is a JICA funded project. Pls confirm		As per Standard Bid Document.
2	Inspection of LL Conductor cost shall in the scope of Client or Contractor, Pls confirm.		As per Standard Bid Document.
3	Payment towards Imported items, Client shall pay the payment in US DOLLAR/YEN/EURO/INR. Pls confirm		As per Standard Bid Document.
4	PV of LL conductor shall be from Country of Origin instead of SBD PV formula. Pls confirm		As per Standard Bid Document.
5	ROW scope shall be in the scope of Contractor as per GCC, regarding Land Compensation shall be in the scope of Contractor or Client. Pls confirm		The Right of way shall be solved by the contractor and all expenses there of shall be borne by him. However, OPTCL shall render all helps in co-ordination with law and order department for solving the same.
6	Is there any Capitalization losses for Power Transformers, Kindly confirm.		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 :- 20MVA, 220/33KV Power Transformer: i) No load losses- 12.00 KW ii) Load (Copper) losses including Auxiliary losses- 65.00KW 160MVA, 220/132 KV Auto Transformer: i) No load losses- 30.00 KW ii) Load (Copper) losses including Auxiliary losses- 205.00KW 20MVA, 132/33KV Power Transformer: i) No load losses- 12.00 KW ii) Load (Copper) losses including Auxiliary losses- 65.00KW The transformer losses, guaranteed in the bid are to be supported by design calculations along with documentary evidences."
7	Forest Clearance shall be in the scope of Contractor or Client, Pls confirm		Forest Diversion Proposal if any shall be arranged by OPTCL.
Sl. No..	Volume / Section	Clause No / Drawing No.	Bidder's Query 1. COMMERCIAL QUERIES Client's Reply
1	Vol-I, Section-VII, General conditions	Clause number 14, Taxes & Duties	We understand that 1% BOCW cess shall be applicable only on the Civil & installation works. Please confirm. 1% BOCW cess shall be applicable on both material and civil & installation work.

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2	Vol-I, Section-III - Evaluation and Qualification Criteria	Clause 1.2.1 - v - Quantifiable Deviations and Omissions	As per the referred clause, "Loss capitalization of the Transformers shall not be considered for evaluation." Since the loss capitalization of transformers are not considered for evaluation of bids, this enables the bidders in proposing low efficiency (Higher loss) Transformers with lower grade raw materials without being penalised for impacting the long run operational cost to OPTCL. Hence, we request you to please consider loss capitalization of Transformers to provide equal platform for bidders proposing relatively better efficiency. Kindly confirm & also provide us the capitalization amount applicable for each kilo - watt of relative loss difference.	The Power transformer shall be supplied conforming to the Technical specification. TS says "Loss figure for the transformers should not exceed as detailed below :-" 20MVA, 220/33KV Power Transformer: i) No load losses- 12.00 KW ii) Load (Copper) losses including Auxiliary losses- 65.00KW 160MVA, 220/132 KV Auto Transformer: i) No load losses- 30.00 KW ii) Load (Copper) losses including Auxiliary losses- 205.00KW 20MVA, 132/33KV Power Transformer: i) No load losses- 12.00 KW ii) Load (Copper) losses including Auxiliary losses- 65.00KW The transformer losses, guaranteed in the bid are to be supported by design calculations along with documentary evidences."
3	Vol-I, Section-IX - Contract Forms	Appendix 4. Time Schedule	We understand that, Mobilization schedule & construction schedule have to be submitted by the Bidders as per Bidding forms (Page BF-25 & BF-26), separately for Substation works & Transmission line works. But, as per Appendix 4 - Time schedule, manufacturing of equipment's is to be completed by 9.5 months & line needs to be charged by 17.5 months & handed over by 18 Months and substation testing and pre commissioning needs to be done by 14.5 months and charging of substation by 18 months from the effective starting date, whereas the overall completion period is 24 months. Hence, we request you to remove the time completion requirements for each sub activity subject to the condition that, overall completion period of 24 months is met by the successful bidder. And also the contractual clauses are not to be imposed for each activity in the schedule provided rather to be considered only for the final completion duration. Also, please confirm that Mobilization schedule & Construction schedule can be prepared by the Bidders keeping in view of the overall completion period of 24 months.	As per Standard Bid Document.
4	Vol-III, Part-II	GTP Formats	We have received GTP formats for various equipment's along with the hardcopy of tender documents. In this regard, we request you to accept GTPs in Manufacturer's standard formats & type test reports to the extent made available by Manufacturers during tender stage. The exact technical particulars & Type test reports for offered equipment/ material will be submitted during execution of the project. Please confirm	As per bid document

5 Vol-III - Technical specifications - 20 MVA 220 kV - Power Transformer & 160 MVA, 220/132/33 Auto Transformer	Annexures - I to Annexure - IX Page number 72 of 96 to 96 of 96. Annexure-I to Annexure IX Page 76 to 100	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: List for delivery schedule & Annexure-IX: Abstract of Terms & Conditions", have to be filled up in complete shape by the bidders, failing which the bids 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 & transmission lines 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	As per Standard Bid Document.
6	2. CIVIL QUERIES		
7 Chandipur - Bid Price schedule, Schedule - 4 (Civil Works) - Part A Turumunga - Bid Price schedule, Schedule - 4 (Civil Works) - Part B	Sl.no : 25 & Sl.no : 21	As per the referred item of BPS, it is mentioned that the pump house shall be connected to the main road of the switchyard with an approach road. We trust that, the required road shall be paid an item no. 15.3 (Chandipur) & 9.3 (Turumunga) of BPS (i.e.) along with road works. Please confirm.	Approach road to the pump house is a part of the total scope of the item 'PUMP HOUSE'.
8 Volume III, Technical Specification	Civil Works, Cl.No. 11.1 and 19	As per the Cl.No. 19 of Civil works, it is mentioned that "The contractor shall be overall responsible for the supply of water within the switchyard for fire fighting, drinking purposes and other miscellaneous purposes". Also in Cl.No. 11.1 of civil works, it is mentioned " A pylon support system shall be provided for supporting the fire fighting system by the contractor". From the referred clauses, we presume that the fire fighting system is by HVWS. However in price schedule there is no separate item for fire fighting pump house and fire water tank. If it is required kindly add an item for the same in BPS.	Pl quote as per the BOQ.

9	Turumanga : Bid Price schedule, schedule 2 (Supply). & Turumanga : Bid Price schedule, schedule 4 (Civil works) S.No - 26 & 12 & S.No -14.6 & 2 Chandipur : Bid Price schedule, schedule 2 (Supply). & Chandipur : Bid Price schedule, schedule 4 (Civil works)	In schedule-2-Supply, SI no: 26 (Turumanga) SI no: 14.6 (Chandipur) item for GI Cable trays including support GI angle for various cable trench section is given in meter. In schedule-4-Erection(Civil works), SI no: 12 (Turumanga) SI no: 2 (Chandipur) item for cable trench is given meter and mentioned that this also including supply of GI angle for cable trays support. Please clarify, the supply of GI angle required for cable trays support will be paid under supply schedule or Erection schedule(Civil works).	The supply of GI angle required for cable trays support will be paid under supply schedule.
10	Turumanga : Bid Price schedule, schedule 4 (Civil works) SI.no: 5.1 & 5.2	We trust that, the unit Qty. given in referred SI.Nos. (i.e. Excavation, PCC & RCC) is only for tower (including LM), equipment foundations and any other item not covered elsewhere in BPS. Please confirm. And also reinforcement steel quantity is not included in the price schedule. kindly include the same.	The unit Qty. given in referred SI.Nos. (i.e. Excavation, PCC & RCC) is for tower (including LM), equipment foundations and Switchyard BMK, BAY MARSHALLING KIOSK, SWITCH YARD RECEPTACLE BOARDS and AC Console boxes. SI. No. 5.2.1.3 -(RCC) MIX 1:1.5:3 (of grade M20) is inclusive of Reinforcement steel. Pl.quote accordingly.
11	Chandipur : Bid Price schedule, schedule 4 (Civil works) SI.no: 1.17	We trust that, the unit Qty. given in referred SI.Nos. (i.e. Excavation, PCC, RCC & reinforcement) is only for towers (including LM), equipment foundations & switchyard portal structures foundations. Please confirm.	The unit Qty. given in referred SI.Nos. (i.e. Excavation, PCC & RCC) is for tower (including LM), equipment foundations and Switchyard BMK, BAY MARSHALLING KIOSK, SWITCH YARD RECEPTACLE BOARDS and AC Console boxes.
12	Turumanga : Bid Price schedule, schedule 4 (Civil works) Turumanga SS SI.No.15 & SI.No.16 & Chandipur SS SI.No.9 & SI.No.10	In the price schedule item for drain is given separately, however in road work it is mentioned that, the road shall have drains on both the side of the road. We presume that drains provided along road shall be paid separately as part of drain. Kindly confirm.	The drains on both the side of the road are an integral part of "road works" and will not be paid separately.
13	Turumanga : Bid Price schedule, schedule 4 (Civil works) Turumanga SS SI.No.23.1.1 & 23.2.1 & Chandipur SS SI.No.15.1.1 , 15.2.1 & 15.3.1	As per referred price schedule item, the Yard AC kiosk building is in bidders scope. However in BPS there is no separate item for the same. Kindly include the Yard AC kiosk building for 220kV, 132kV & 33kV.	Scope for Yard AC kiosk is available in the BOQ. Turumanga SS: SI.No.15.1.1 , 15.2.1 & 15.3.1 & Chandipur SS: SI.No.23.1.1 & 23.2.1
14	Chandipur : Bid Price schedule, schedule 4 (Civil works) SI.no: 1.18	As referred clause, the pile foundation quantity is paid in RM basis. We trust that, the pile quantity is given for Switchyard gantry/ portal structures & equipment foundation (if required). And pile foundations required for buildings, transformers are not covered in SI. no: 1.18 price schedule item. Please confirm our understanding is correct.	As per referred SI. No., the pile foundation quantity is paid in RM basis. The pile quantity is given for Switchyard gantry/ portal structures & equipment foundation (if required). The pile foundations required for buildings, transformers are not covered in SI. no: 1.18 price schedule item. Pile foundations required for buildings, transformers, boundary wall is covered in the respective items as per BOQ descriptions.