

Invitation for Bids NO. IFB No: [CPC/JICA/ICB/5A/16-17/] Reference Identification No: [OPTCL/JICA/PKG-5A] Loan Agreement No: [ID-P245]			
NAME OF PROJECT: PROCURMENT OF PLANT DESIGN, SUPPLY AND INSTALLATION OF SUB-STATIONS (220kV,33kVAIS S/S), TRANSMISSION LINE (220kV) AT GOVINDPALLI IN ODISHA STATE OF INDIA UNDER PACKAGE-5A.			
REPLY TO ADDITIONAL QUERIES RECEIVED FROM FIRMS AFTER SUBMISSION OF REPLY TO PRE-BID QUERIES			
NAME OF CLIENT:- ODISHA POWER TRANSMISSION CORPORATION LIMITED, Bhubaneswar			
S.NO	Reference clause	Query	Reply
Electrical Queries			
New 220/33kV Gobindapalli substation			
1	General	Soil Resistivity Value; We request OPTCL to please provide	Bidder's scope.
2	Single line diagram	Please clarify in the SLD where SI and DI Isolators are used for both 220kV & 33kV.	The SLD attached to the bid document is indicative. There is No DI in 220KV bays. There are six nos. Dis in 33kV bays (DI with ES in outgoing feeders and DI w/o ES in transformer bays)
3	Electrical layout	Kindly furnish the electrical layout with plot size, location of control room and elevations so that the quantity can be estimated.	The Bidder's has to design the same considering the site condition and furnish to OPTCL for approval.
4	Description of Items (Schedule 1-SS) Price Schedule Item No.-10.	BOQ of the total 33kV Isolators as per the SLD is 28 but the price schedule proposes for 16Nos.Kindly clarify the actual requirement.	PI quote as per the amended BOQ.
5	Description of Items (Schedule 1-SS) Price Schedule Item No.-6.	Please clarify the Class of IVT.	As per technical specifications.
6	Description of Items (Schedule 1-SS) Price Schedule Item No.-10.	BOQ for 30KV LA in SLD is 6 nos. instead of 18 as per requirement, whereas Price schedule reflect the same is 24 nos. Kindly clarify the actual requirement.	PI quote as per the amended BOQ.
7	Description of Items (Schedule 1-SS) Price Schedule Item No.-22.3.2 & 3.	In the SLD it shows that the auxiliary transformer is connected through Isolator but the price schedule calls for AB switch and Fuse. Kindly clarify.	PI quote as per the amended BOQ.
8	Cl. No 1 Technical Particulars of 400/220/132 & 33kV Isolator)	The rated current for the 33kV Isolator mentioned in the Technical Particulars is 800A but the price schedule calls for 1250A. Kindly Clarify	PI quote as per the amended BOQ.
9	General	Kinly confirm if coupling device, telephone instruments and HF cable are owner supplied items.	PI quote as per the amended BOQ.
10	General	Please provide the specification of earthing system	Bidder's scope.
11	E-19 Distribution board	The outgoing feeders for MSB, ACDB, DCDB etc. have been specified in the specifications. Please confirm in case of increase in feeders, same shall be payable.	As per SBD.
12	General	Request you to provide the control room layout.	Bidder's scope.
13	General	Please provide the specification for bus post insulators	PI refer technical specification E20-CONDUCTOR,EARTH WIRE,INSULATOR,HW,CCs.
14	General	Please specify the KN rating of BPI to be used in switchyard and the ones to be used for Isolators	PI refer technical specification E20-CONDUCTOR,EARTH WIRE,INSULATOR,HW,CCs.
15	E-23 Control and power cable Pg. 25 of 25	As per Specification 630sqmm, XLPE cable to be considered for LT transformer to Main ACDB connection. Same is not considered in price schedule. Please clarify.	PI quote as per the amended BOQ.
16	E-23 Control and power cable Pg. 25-26 of 25 & (Schedule 1-SS) Price Schedule Item No.-20.1.2 & 3	The cable sizes 3.5Cx185mmsq & 3.5Cx120mmsq are specified in the price schedules but the purpose of the same have not been identified in the specifications.	PI quote as per the amended BOQ.
17	Description of Items (Schedule 1-SS) Price Schedule Item No.-25	In fire fighting equipments annexure-I is referred to but could not be found in the tender documents. Kindly furnish the same.	PI. refer TS E29-FIRE FIGHTING SPEC
18	General	We presume that intigeration with LDC is not in our scope of work.	AS per tender condition.
19	General	Provided SLD is not matching with Bid price schedule. In BPS total no of 33kV line feeders are 4 nos. Whereas SLD reflects the same is 5 nos. Kindly clarify actual requirement.	SLD is indicative only. PI quote as per amended BOQ.

20	General	Orientation of line feeder & transformer bay in provided SLD is not matching with Layout of 220/33kV S/S. Along with this orientation of future bay is also not as per provided layout. We presume that orientation given in SLD are correct one. Kindly confirm/clarify.	SLD is SLD is indicative only.Final layout is in bidder's scope to be approved by OPTCL considering the site condition.
21	General	Whether quantities provided in the price schedule includes post insulators for Isolators. Please clarify.	Post insulators for Isolators are included within the Scope of supply of Isolators .
22	245 KV Current Transformer	Accuracy class as per price schedule is 0.2s, while as per specification it is 0.2. Please clarify.	PI quote as per the amended BOQ.
23	36 KV Current Transformer	BPS reflects 36kV 800-400-200,25kA,4 core single phase CT with 3 PS class & 1 0.2s class, whereas technical specifications reflects 36kV 800-400-200,25kA,3 core single phase CT with 2 PS class & 1 0.2s class. Kindly clarify actual requirement.	PI quote as per the amended BOQ.
24	36 KV VCB	BPS reflects 36KV, 1250A, 25KA, VCB, whereas Current rating of VCB as per specification is 1600A. Please clarify.	PI quote as per the amended BOQ.
25	IPS 4" Aluminium Tube	Welding sleeve required for tube is not included in the price schedule.	Bidder has to consider the same and include in their quoted price as per the bid document.
26	Earth Wires & it's Hardware Fitting	Earthing spikes of 9 Mtr, 7 mtrs, & 5 Mtr long to be mouted on sub-station gantries. Further, please also provide details of down conductor for connecting Earthing spikes with Switchyard earthing grid.	As per technical specifications and BOQ.
27	Fire Fighting System	As per price schedule hydrant, HVWS, NIFPES fire protection system not be considered for Transformers. Please confirm the requirement.	Hydrant system is not in present scope of supply.
28	General	Please provide conductor type for Main, Transfer & Equipment Bus.	PI quote as per the amended BOQ.
29	Switchyard Lighting	Indoor Lighting BOQ is not included in price schedule for Yard AC kiosk etc.	Bidder's scope as per the TS.
30		Supply of cables for lighting will be covered in cable items. Please confirm.	YES
31	TECHNICAL SPECIFICATION FOR SUB-STATION AUTOMATION FOR GRID SUBSTATION: The Substation Automation System (SAS) is proposed for Grid sub-station with installation of Bay control Unit in relay panels ,work station (Main & stand by),Engineering Station, HMI, Large video screen of 60inches	Please confirm requirement of Large video display for substation automation system. If it's required please confirm if it will be "60" in 4x2 Matrix type" or "60" Single Cube type" Large video screen.	PI refer the TS for Large Video Wall- - 60" Full HD
Existing Balimela substation			
1	General	Please provide following existing drawings: 1. Electrical layout Plan & section 2. Existing Earthmat and cable trench layout 3. Existing Switchyard Lighting layout and Switchyard panel room Lighting & Air conditioning layout 4. Existing 220kV C & R panel schematic and 220kV bus bar protection system details 5. SLD & Plot Plan	Will be provided in the event of award of contract.
2	General	We understand that sufficient space is available in existing main cable trench for the laying of all power/control cables under present scope. Kindly confirm	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
3	General	We presume that there are sufficient spare feeders in ACDB and DCDB for the extension scope of works and no new panels are required.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
4	General	We presume that there is enough space in the existing control room for new control and relay panels.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
5	General	We presume that there is enough space in the switchyard in the existing substation for two new bays.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
6	Price Schedule SI No. (26) : Sub-station Automation System	Please clarify the scope of SAS, Bus-bar Augmentation & Integration with existing system for extension Sub-station. Please also provide make of CRP SAS at existing substation.	PI quote as per the amended BOQ.

Existing Malkangiri substation

1	General	Please provide following existing drawings: 1. Electrical layout Plan & section 2. Existing Earthmat and cable trench layout 3. Existing Switchyard Lighting layout and Switchyard panel room Lighting & Air conditioning layout 4. Existing 220KV C & R panel schematic and 220kV bus bar protection system details 5. SLD & Plot Plan	Will be provided in the event of award of contract.
2	General	We understand that sufficient space is available in existing main cable trench for the laying of all power/control cables under present scope. Kindly confirm	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
3	General	We presume that there are sufficient spare feeders in ACDB and DCDB for the extension scope of works and no new panels are required.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
4	General	We presume that there is enough space in the existing control room for new control and relay panels.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
5	General	We presume that there is enough space in the switchyard in the existing substation for two new bays.	Bidder's are advised to conduct a site visit in coordination with OPTCL to ascertain the same.
4	Price Schedule SI No. (26) : Sub-station Automation System	Please clarify the scope of SAS, Bus-bar Augmentation & Integration with existing system for extension Sub-station. Please also provide make of CRP SAS at existing substation.	Pl quote as per the amended BOQ. Existing SAS system at Malkangiri is of SIEMENS make.
COMMERCIAL			
1	No. of Contracts	Please clarify Whether it will be one contract or two/three separate contract for Supply, Erection and Civil.	As per SBD.
2	Clause No. 1.2.2 Other Factors, Section III. Evaluation and Qualification Criteria - Without Prequalification ii. No credit will be given for earlier completion. Clause No. PC 26.3, Section VIII. Particular Conditions Applicable (amount or rate) for the bonus for early Completion of plant and services in complete shape:0.5% per week of early Completion of the Facilities or part thereof, in accordance with the Time for Completion specified in PC 8.2. Maximum bonus: 2.5% of the contract price	Both referred clause contradict each other. Please confirm which clause to consider.	Clause No. 1.2.2: refers to Evaluation of the Bids. Where as Clause No. PC 26.3, Section VIII. Particular Conditions refers to completion of the project.

3	Vol-III(TS)-20MVA 220KV- Power Transformer ANNEXURE-I to IX	We understand that above documents as per annexures are being asked by OPTCL while inviting tenders for procurement of individual equipment directly from manufacturer.	As per tender condition.
	Section III. Evaluation and Qualification Criteria - Following Prequalification, 2.7 Sub-Contractor/Sub-Manufacturer:	However in this regard we would like to highlight that, present tender being turnkey package for construction of overall substation and transmission line involving numerous equipment & multiple manufacturers for each equipments it is very difficult for an EPC contractor to collect all the documents.	
	Section II. Bid Data Sheet, ITB 11.2(i)	Hence we request to accept our proposal of submission of only manufacturer authorization letter along with GTP during tendering stage and remaining documents shall be submitted during execution stage for all the equipments as applicable as per tender documents. Undertaking to this effect can be submitted from our end during tendering stage. Please confirm your acceptance.	
4	GST	Please confirm applicability of GST for the contract in case of implementation of the same after 1st July 2016, Whether GST Variation will be given or not for direct, bought out items and installation.	As per tender condition.
5	Clause No. 14, Section VII - General Conditions Concessional Sales Tax.	We understand that for availing concessional sales tax, necessary C-Form will be provided by OPTCL for both direct and bought out items. Please confirm.	Yes, OPTCL will provide the "C" Form.
5	Clause No. 14, Section VII - General Conditions Entry Tax.	Please confirm whether bidder's quoted price shall be inclusive of Entry tax. If yes kindly provide rate of entry tax for substation and transmission line items applicable in state of Odisha.	The price bid is inclusive of all taxes, duties and other payment. (Ref. Section-1-18(5)(d)) of the bid document.
6	Road Permit	Please confirm whether road permit is required for entry of substation and transmission line items in state of Odisha. If yes, kindly confirm whether OPTCL will provide border form or not.	As per tender condition.
7	Clause No. 14.4, Section VII - General Conditions Statutory Variation.	As per referred Clause we understand that statutory variation will be given for Bought out as well as Direct Items in case of change in Taxes. Please confirm.	As per tender condition.
8	Clause 1.2 Economic Evaluation, Section III. v. Loss capitalization of the Transformers shall not be considered for evaluation.	Both referred clause contradict each other.	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
9	Technical Specification for Transformer 5.2.2 Loss figure for evaluation of bid:- For total cost evaluation for comparison, capitalized cost of losses shall be calculated at the following rates per one-kilo watt of loss:	Please confirm which clause to consider. Please provide Guaranteed loss figure in case of capitalization is not applicable.	
10	Section 9(Contract Forms),Appendix5	13. ACSR Panther/Zebra/Moose Conductor with Hardware, insulators & accessories: GPIL/Hindusthan Vidyut Products Ltd./Apar/Teracom Ltd./Traco cable company Ltd.	A list of major items of Plant and Installation Services is provided. In accordance with GC Sub-Clause 19.1, the Contractor is free to submit proposals for Subcontractors for additional items from time to time. No Subcontracts shall be placed with any such Subcontractors for additional items until the Subcontractors have been approved in writing by the Employer and their names have been added to this list of Approved Subcontractors.
11	Clause No. 14.4, Section VII - General Conditions Labour Cess	We understand that 1% BOCW cess shall be applicable only on the Civil and installation works. Please confirm	1% BOCW cess shall be applicable on both material and Civil & installation works.

8	TAXES & DUTIES		Kindly Confirm Sale-in-transit transaction shall be allowed and requisite C-Form Road Permits / Way Bills shall also be issued by OPTCL	OPTCL will provide the "C" Form.
9	Price Bid Evaluation		Kindly confirm Price Bid evaluation will not include Service Tax	The price bid is inclusive of all taxes, duties and other payment. (Ref. Section-1-18(5)(d)) of the bid document..
10	Right of Way & Trees / Crop Compensation		We understand that Right of Way / Way Leave Clearance and Crop Compensation	Bidder's scope.
11	Substation Location		Kindly provide the location of Substation (Co-ordinates Latitude – Longitude), Contour Map, Finished Ground Level (FGL)	Bidders are advised to go for site visit in co-ordination with OPTCL to ascertain al necessary details.
12	Section VII – Conditions of Contract	14.4 For the purpose of the Contract, in this GC Sub-Clause 14.4), <i>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.</i>	We understand that in an event of any Statutory variation shall be applicable to both Direct Transaction & Bought Out Items for Supply.	As per tender condition.
	Clause No.: 14.4		Further we understand that Erection / Service portion being a direct transaction, between a Contractor and Utility statutory variation shall be 100% applicable and accordingly price adjustment shall be done.	
			Kindly Confirm.	
13	Site for Project		We understand land grading, leveling, cutting, filling, site clearance for substation,	Bidder's scope.
14	Terminal Gantry Details		Kindly provide details of Terminal Gantry.	As per SBD.
15	Forest Clearance		Kindly confirm all forest clearance shall be in the scope of OPTCL.	OPTCL scope
16	Price Evaluation		We understand that Price Bid Evaluation shall be done on the basis of PRICES	The price bid is inclusive of all taxes, duties and other payment. (Ref. Section-1-18(5)(d)) of the bid document..
			Kindly confirm	
17	Price Variation Ceiling		Kindly specify whether there is any ceiling (+/-) in price variation.	As per tender condition.
18	Volume-III	Schedule-C.2 / C.3 / C.4 Line Conductor	There are two different formats for GTP of Conductors. Kindly confirm which format to consider final.	Refer the format applicable to the conductor and latest IS/IEC
19	Volume-III	Schedule-C.5 / C.6 / Earth wire	There are two different formats for GTP of Earth-wire. Kindly confirm which format to consider final.	Refer the format applicable to the conductor and latest IS/IEC
20	Submission Due Date		We kindly request your good self to please extend the submission due date of the tender by at least 4 weeks.	Extended up to 16 th May, 2016.
21	Volume-III (TS)-20MVA 220KV- Power Transformer	Annexure-V, VI, VII, VIII	We understand, Annexures-V to Annexure-VIII are to be submitted for all individual proposed OEM's for Power Transformers.	Yes.
22	Drawings		Kindly provide the below drawings:	Bidder's scope. Existing sub-station drawings and details would be provided in the event of award of contract.
			➤ Sectional Layout Diagram	
			➤ General Electrical Arrangement Diagram	
			➤ Staff Quarters detailed architectural drawing with civil specifications	
			➤ Earthing and Earth grid Diagram	
			➤ Cable Trench Sectional Drawing	
			➤ Cable Trench Road Crossing Arrangement Drawing	
➤ Cable Trench Laying Drawing				
➤ Detailed Architectural Drawings for Control Room Building & Store Room Building				
➤ Standard Drawings for G.I. Tubular Poles for Lighting				
23	Rate of Entry Tax / Octroi		Kindly specify the applicable rate of Entry Tax in Odisha State	The applicable rate of Entry Tax in Odisha State @ 2% at present.