



ANNEXURE-I (OF CORRIGENDUM-II)

ORISSA POWER TRANSMISSION CORPORATION LIMITED

CLARIFICATION TO THE QUERRIES AGAINST PURI PACKAGE TENDER

NOTICE INVITING TENDER No. 7 / 2012-13.

BID DOCUMENT No. Sr. G.M-CPC-TENDER- PURI Package No-7/ 2012-13

Sl. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
1	Vol. I, Bidding Instruction, INV, Page 8 of 50, Cl. 4.0	Package No., Line Length and Type of Line mentioned in the table do not match with the scope of the package. Please clarify.	MAY BE READ AS: CONSTRUCTION OF 220 KV DOUBLE CIRCUIT LINE ON 220 KV DC TOWER FROM PGCIL S/S AT UTTARA TO PROPOSED PURI 220/132/33 KV SUB- STATION(APPROXIMATE LENGTH OF THE LINE IS 52.486 Kms)
2	Vol. I, INB, Page 47 of 50, Cl. 33.7	Please explain the extent / modalities of purchase preference available for Central Public Sector Enterprises in this package.	As indicated in Tender document
3	Vol. IA, SCC, Page 11 of 172, Cl. 5.2.1A	The PV formula for Towers may please be changed based upon Billets & Blooms, since IEEMA has stopped issuing indices for Steel Angles	As per IEEMA

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4	Vol. IA, SCC, Page 26 of 172, Cl. 6.0	Bidding Documents of Central Utilities like NTPC have a provision for compensating the bidder in the event of introduction of GST / any other tax. The typical clause reads as follows: "...in the event of introduction of GST / any other tax in lieu of existing Excise Duty / Service Tax and VAT/ Sales Tax, the impact of differential duty / tax liability if any on the Contract Price including Bought Out Items shall be adjusted in Contract Price subject to documentary evidence.". We request you to allow similar provision, which is just and equitable, in this tender. The bidder shall also be compensated for any statutory variation in existing tax rates also.	AS PER TENDER SPECIFICATION.
5	Vol. IA, SCC, Page 32 of 172, Cl. 9.0	The quoted rates shall be applicable as long as the aggregate effect of such quantity variation is limited to $\pm 15\%$ of the contract value. For any variation beyond this limit, the rates shall be mutually agreed.	As indicated in Tender document
6	Vol. IB, BPS, Page 9 of 56, Proposal Form, Cl. 9.1	The proposal form reads "The Exworks price component of equipment/ material (excluding spares), price and erection and including civil works price components stated in our proposal are firm prices and are subject to no price adjustment due to price variation..". This is contradictory with the provisions of SCC clause. Please rectify.	As indicated in Tender document
7	Vol. II, E3-Design Clauses/ E5 Cl-3.0-TS; & E3-System data- point. No. 11	As per referred clause, short circuit condition is mentioned as 40kA for 220kV & 132kV side, whereas the same is mentioned in system data as 31.5kA for 1 Sec. Kindly clarify the requirement.	40 KA

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8	BPS, Schedule 2A - Sl. No. 9.1, 9.2 & 9.3 and Sl. No. 18.1, 18.2 & 18.3	Kindly clarify the abbreviation for S/I & D/I for Isolators.	S/I : SINGLE ISOLATOR. D/I : DOUBLE ISOLATOR.
9	BPS, Schedule 2A - Sl. No. 19	We presume that 6 Nos. of 30kV Surge arrestors required for the DP structure arrangement of station transformer are included in the BPS clause referred. Kindly confirm.	6 NOS OF SURGE ARRESTORS FOR STATION TRANSFORMERS
10	Technical Specification/Drawings enclosed for reference	The following Drawings as listed in the column "Drawings enclosed for reference" are not available. Kindly furnish the same. a. 400kV typical layout b. Existing/ under construction 220kV layout c. Existing/ under construction 220kV Sectional layout. d. Existing /under construction 220kV SLD e. Existing /under construction 220kV Master Plan layout f. Proposed 400kV line route map g. Proposed 400kV Substation land map h. SLD for proposed 400kV Substation	THESE DRAWINGS ARE NOT REQUIRED. HOWEVER A TYPICAL INDICATIVE SWITCHYARD LAYOUT IS ENCLOSED.
11	Technical Specification/Drawings enclosed for reference	We have received the Control building - plan layout. Kindly confirm whether, we have to design the control room building as per the enclosed layout. Also, please furnish the section layout of the control building.	THE DRAWING ATTACHED IS INDICATIVE ONLY. CONTRACTOR TO DESIGN THE SAME & FURNISH FOR APPROVAL.
12	General -	We presume that the contour level as uniform level (i.e. uniform FGL for 220/132kV & 132/33kV switchyard). Please confirm.	BIDDER TO VISIT SITE & ASCERTAIN THE SAME.
13	BPS-SI.31.3 - Lighting	Kindly furnish the plot plan indicating the colony quarters & street where the lighting has to be carried out as mentioned in Bid Price Schedule.	A TYPICAL INDICATIVE SWITCHYARD LAYOUT IS ENCLOSED FOR REFERENCE.

Sl. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
14	BPS-SI.31 - Lighting	In the referred clause of BPS, it has been quoted that the substation lighting shall be 'as per specification and approved drawings'. Please furnish the approved drawings.	DESIGN TO BE DONE BY THE CONTRACTOR & TO BE GOT APPROVED.
15	E14-Station Transformer	Please clarify the source for Station transformer. We presume the same is from State Electricity Board and the terminate inside switchyard (near Control building).	SOURCE OF STATION TRANSFORMER IS FROM THE 33 KV BUS OF THE PROPOSED SUB-STATION 220/132/33 KV.
16	E24-Substation Lighting Cl.2.1/BPS-SI. No. 31	Please furnish the maintainance factor to be adopted for outdoor switchyard, street lighting & control building lighting.	As per standard practice(guideline) adopted for sub-stion maintenance practice(CBIP)
17	E16-IVT, CVT	Please confirm the coupling capacitor values of 245kV & 33kV CVT.	AS PER TECHNICAL SPECIFICATION.(FOR LINE CVT 245 KV:4400 pF FOR COMMUNICATION) & 33 KV SIDE NO CVT IT IS IVT.
18	E17-220V Battery & Battery Charger- Cl.6.2 BPS 36	It is mentioned in the referred clause of Specification, one set of 220V Battery with two different capacities(i.e., 350AH & 645AH). However, In BPS two sets of 220V Battery with 350 AH capacity is mentioned. Kindly clarify the same.	BATTERY CAPACITY SHALL BE 350AH.
19	E17-48V Battery & Battery Charger- Cl.6.2 BPS 29.14	It is mentioned in the referred clause of Specification, one set of 48V Battery with two different capacities(i.e., 350AH & 645AH). However, In BPS two sets of 48V Battery with 350 AH capacity is mentioned. Kindly clarify the same.	BATTERY CAPACITY SHALL BE 350AH.
20	E17-Battery & Battery Charger- Cl.6.2/BPS- SI. No. 37	In Technical Specification, it is mentioned as Float & Float cum Boost Charger whereas in Bid Price Schedule -BPS 37, it is appearing as Float cum Boost Charger only. Please clarify.	FOR 48 V BAT CHARGER IT IS FLOAT CUM BOOST CHARGER & FOR 220 V BAT CHARGER IT IS FLOAT AND FLOAT CUM BOOST CHARGER.

SI. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
21	E21-Control & Relay panel - Cl.7.6	It is mentioned in the referred clause that future provision shall be provided to its ultimate capacity. Please confirm whether the same shall be considered based on the sapre bays provided I nthe switchyard.	AS PER TECHNICAL SPECIFICATION.
22	Scope of Work Cl.1/Bid Price Schedule	In Technical specification & Bidding instructions, it is mentioned that, the extension of 2 nos. 220kV bays are at Uttara. However, in BPS, the same is mentioned as Jatani (PGCIL). Please clarify.	UTTARA (PGCIL)
23	Technical Specification/Drawings enclosed for reference	Please furnish the following drawings of existing substation a. Single line diagram b. Layout Plan & Section including Control Building location c. Earthing layout indicating spacing of main mat. d. Cable Trench Layout.	ENCLOSED
24	E17-220V Battery & Battery Charger- Cl.6.2 BPS-SI. No. 36	We presume that Battery and Battery Charger has adequate capacity to cater to loads under extended scope.	OK
25	Scope of Work Cl.1/E19-Distribution Board	We presume that ACDB, DCDB & MLDBs have adequate feeders to cater the loads under extended scope of work.	OK
26	General - Cable trench	We presume that the main cable trench has sufficient space to accommodate LV power and control cables from/to control building for present scope of work.	OK
27	General - Lighting	New/existing towers shall be used for illumination of equipments. Please confirm.	YES
28	General - Location for placing C&R/PLCC panels.	Kindly confirm whether adequate space is available in the existing control building for placing the relay and control panels and as wel as PLCC panels for present scope of work.	DESIGN OF CONTROL ROOM BUILDING LIES WITH THE CONTRACTOR

SI. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
29	General - E21. C&R panels.	Kindly furnish the make & type of existing 220kV Bus bar protection, Substation automation / SCADA systems, Event logger, requirement of digital Input & Output, analog channels, which is not mentioned in tender document.	AS PER TECHNICAL SPECIFICATION. BIDDER TO VISIT SITE & ASCERTAIN THE SAME.
30	Vol-II, Part-II, Schedule-2C(Substation), SI.No:27.3 & 27.5	We trust quantities for foundation bolts are include under sl.no:27.3 and 27.5.Please confirm.	YES
31	Vol-II, Part-II, Schedule-2C(Substation), SI.No:27	Please clarify whether the structural steel for gantry columns,beams and equipment's structures will be paid on weight basis or number basis.	WEIGHT BASIS
32	Vol-II, Part-II, Schedule-2C(Substation), SI.No:B.1	Please furnish soil investigation report, if available with you.	SOIL INVESTIGATION TO BE DONE BY THE BIDDER
33	Vol-II, Part-II, Schedule-2C(Substation), SI.No:1.2.23.1	We request you to please accept brick wall room AC kiosk instead of prefabricated AC kiosk. Brick wall is more superior compared to prefabricated type in terms of performance.	AS PER TENDER SPECIFICATION.
34	Vol-IIA, Scope details, pg.No:20/30	Please furnish the details for the following tower and columns, since the same is missing 1) P2A-(Height and weight). 2) Q3-(Length and weight). 3) Q4-(Length and weight).	NA
35	Vol-II, Part-II, Schedule-2C(Substation), SI.No:B.1 & Vol-II,E-6 Civil works,Pg.no:74/84.	As per sl.no:B.1, PCC is given as 1:3:6 where as in mode of measurement (Pg.no:74 of 84) same is missing. Please include the same.	AS INDICATED IN BPS SCHEDULE -2C

SI. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
36	Vol-II,E-6 Civil works,Pg.no:73/84, Clause: III a) &Vol-II, Part-II, Schedule-2C(Substation), Sl.No:1.2.24	As per mode of measurement for earth work, quantity for 1) Tower foundations 2) Equipment foundations 3) Transformer foundations 4) Railcum road 5) Fire wall 6) Cable trench 7) Water tank 8) Reactor foundations 9)Buildings are paid under Sl.no.1.2.24 of schedule -2C, Please confirm.	AS INDICATED IN BPS SCHEDULE -2C
37	Vol-II, Part-II, Schedule-2C(Substation), Sl.No:14	Please furnish the FGL & Contour map for proposed substation to quantify stone pitching & toe wall.	TO BE ASCERTAINED BY THE BIDDER AFTER SITE VISIT
38	Vol-II,E-7, Switchyard Structure, Pg.no:9/11, Clause -1.10 -Galvanising	Please furnish the galvanization thickness for towers and equipment support structures.	REFER IS FOR TOWER STRUCTURE FOR EHV SUB-STATION AND LINE JOBS.
39	Vol-II, Part-II, Schedule-2C(Substation), Sl.No:6.3 - Approach Road	Please furnish the length of approach road.	TO BE ASCERTAINED BY THE BIDDER AFTER SITE VISIT
40	Vol-II, Part-II, Schedule-2C(Substation), Sl.No: 11- Boundary wall & Sl no.15 - Switchyard Fencing	Please clarify where fence and boundary wall to be provided.	YES, BPS SCHEDULE – 2C HAS THE PROVISION OF FENCING AND BOUNDARY.
41	Volume-II, Chapter E-22, & P.No:2 of 3, Clause 1.3	We are considering Split AC quantity as per actual instead of approximate quantity mentioned in Reference clause.Please confirm.	MINIMUM AS PER SPECIFICATION, BUT THE CONTRACTOR TO FURNISH THE DESIGN FOR APPROVAL. ANY INADEQUECY TO BE SUPLIMENTED.
42	Volume-II, Chapter E-22, & P.No:2 of 3, Clause 1.2	Kindly Confirm the Star rating of the Air conditioners to be considered.	YES, MINIMUM 5 STAR.

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43	Volume-II, Chapter E-22, & P.No:2 of 3, Clause 1.2	We have considered R-134a refrigerant for Hi-Wall split AC. Kindly Confirm	TO BE EXAMINED DURING DETAIL ENGINEERING IN THE EVENT OF FINALISATION.
44	General	Kindly provide the Technical specification for ventilation system.	AS PER STANDARD PRACTICE PRESCRIBED FOR AIR CONDITIONING & VENTILATION FOR EHV SUB-STATION BUILDING.
45	Vol. IA, SCC, Clause 4.4, page 10 of 172	We understand that Bidders shall include cost of Type Tests & other tests in the Bid. Since the towers are as per OPTCL design, we understand that the type testing of towers are not in the scope of the bidder.	IN CASE YOU FURNISH THE DESIGN OF TOWER, THE SAME SHOULD BE TYPE TESTED, IF THAT DESIGN IS A NEW ONE. IF ALREADY THE TYPE TEST HAVE BEEN CONDUCTED WITHIN LAST FIVE YEARS ,THEN IT IS NOT REQUIRED.
46	Vol. IA, SCC, Clause 34 page 42 of 172	The Project License from the Govt is a time consuming activity and takes nealy 30 days from date of submission of the proposal. Request to kindly increase the period of submission to OPTCL: to 45 days from issuance of NOA	FURNISH THE DOCUMENTARY EVIDENCE THAT YOU HAVE APPLIED TO THE GOVT. FOR THE SAME.
47	Vol. IA, SCC, Clause 35 page 43 of 172	We understand that Land Acquisition for Tower Footing is not in the scope of the Bidder. Kindly reconfirm.	ROW PROBLEM LIES WITH THE CONTRACTOR
48	Vol. IA, SCC, Clause 35 page 43 of 172	Kindly clarify the scope of the Bidder pertaining to Forest Clearance	TO OPTCL A/C
49	Vol. IA, SCC, Clause 40 page 78 of 172	Since ROW is in the scope of the bidder, any delays arising out of the legal disputes in resolving ROW, may please be included as a reason for issuing Time Extension without any LD	AS PER TENDER CONDITION
50	Vol. IA, SCC, Clause 42 page 78 of 172	Kindly include "Legal disputes arising in resolving ROW" also as a Force Majeure clause	AS PER TENDER CONDITION

SI. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
51	Vol. IB, Sch 2C, Sl. No. 8 page 55 of 55	Kindly clarify the scope of the Bidder pertaining to the Statutory payment to Govt bodies for PTCC & Railway Crossing	AS PER BIDDING PROPOSAL SHEET 2C-LINE.
52	Vol. IB, Sch 2A & 2B, Item No.7	Please clarify the type of Insulator- Long rod or Disc Insulators	LONG ROD FOR LINE
53	Vol. IB, Sch 2C	The price schedule, the pile foundations are not mentioned. We understand that the pile foundations are not envisaged. Please confirm.	REFER THE REVISED BPS
54	NIT	since the process of site investigation, route survey, obtaining & vetting sub-vendor offers etc. will take more time, we request you to extend the bid submission date till 13/06/12 from the present due date of 16/05/12.	EXTENDED UPTO 1.6.2012
55	SCHD 2A-SS-24.4	EARTHING CONDUCTOR: 50X6 mm GI Flat for Raiser from the burial earth mat to equipment,structure etc)	BURRIAL: 75X10 mm GI FLAT. RAISER: 50X6 mm GI FLAT.
56	SCHD 2A-SS-34.1.12	BUS BAR PROTECTION BAY MODULES TO MATCH WITH THE EXISTING 220 KV BUS-BAR SYSTEM TO accommodate TWO NOS FEEDER BAY. SCADA & OTHE PROVISIONS	TO BE ASCERTAINED BY THE BIDDER AFTER SITE VISIT
57	SCHD 2C-SS-1.1.1 to 1.2.23.4 & 1.2.24.1 to 1.2.26	TO BE QUOTED ITEM WISE AS THE CELLS ARE NOT SHADED OR FOR ITEM 1.2.24.1 to 1.2.26 ARE TO BE QUOTED	REFER THE REVISED BPS (ANNEXURE-II)

Sl. No.	Clause reference	Query by different bidder	OPTCL,S REPLY
58	SCHD 2C-SS-2	CABLE TRENCH	THE RATES SHALL BE QUOTED AS PER BPS. CABLE TRAYS ARE TO BE PROVIDED , WHICH IS A SEPARATE ITEM VIDE CL No. 25.5 part-Electrical(G.I Cable Trays including support GI angle suitable for different sections i.e. Section:1-1,2-2,3-3 & 4-4 along with its accessories as per TS.)
59	SCHD 2C-SS-6	DRAINAGE	ROAD & DRAINS ARE SEPARATE ITEMS
<p align="center">REMARKS: BIDDERS ARE REQUESTED TO QUOTE THE PRICES IN REVISED BIDDING PROPOSAL SHEET FOR SCHEDULE 2A, 2B,3C FOR S/S & LINE & 3(MANDATORY SPARES).[REFER ANNEXURE-II(OFF CORRIGENDUM-II) - FOR REVISED BPS].</p>			