

CONSTRUCTION OF 2X40 MVA (220/33 KV) 220/33 KV GAS INSULATED (SF6) SUBSTATION AT INFOCITYII ,BHUBANESWAR & ASSOCIATED 220 KV DC LILO LINE ARRANGEMENT ON ONE CIRCUIT OF THE EXISTING NARENDRAPURMENDHASAL DC LINE ON TURNKEY BASIS.

Sl. No.	Volume	Section	Clause No	Page No	Description	ABB Observations	OPTCL Reply
1	Amendment	Pre-bid queries	42	6 of 53	The single line diagram for 33kV GIS is enclosed.	The same is not available with amendment documents. Kindly request you to provide the detailed SLD along with control & protection details.	SLD for 33 KV is already uploaded in OPTCL Web site. Please refer OPTCL website "GIS SUB-STATION LAYOUT". A copy of the same is also enclosed for reference. The Control & protection has already been clarified and uploaded in website as clarification to pre-bid conference. Please follow the same. 33 KV side shall also be provided with automation and the protection for 33 KV shall be O/C & E/F ,Frequency (Over/Under),LBB etc as per the requirement.
2	Amendment	Price Schedule	2.30	4 of 101	Main bus shall be rating of 2000A & reserve bus shall be 1250A	Two bus bars with two bus ratings is not possible. Hence we are offering two buses with rating of 2000A. Kindly request you to accept the same.	Yes
3	Amendment	Price Schedule	40 of 65,Pg:57 of 65 ,Pg:48 of 65			For a design ambient of 50°C, the current rating of 1250A CB shall be 1164A and 2000A bus bar rating shall be 1862A. This de-rated current rating is highly adequate as the maximum full load current of Incomer is 800A. Hence we request your acceptance for the above mentioned current ratings. We kindly requested you to accept your confirmation.	Circuit Breaker Current Rating for 33 KV: 1250 Amp. Bus Bar Rating shall be: 2000 Amp.
4	Amendment	Price Schedule	1.30	2 of 101	Main I & Main II bus rating shall be 2000A	Incomer Line & outgoing Transformer bay rating itself 3150A, whereas the rating of bus mentioned in the BOQ/Specification is 2000A. This is Contradictory. Kindly clarify the same.	The Circuit Breaker of 220 KV side Incomer & Transformer & Bus Coupler rating shall be 3150 Amp. But the 220 KV Bus-I & Bus-II shall be 2000 Amp
5		Price Schedule	34 & 35	22 of 101	Maintenance & Testing equipments, other tools & plants as per Annexure I & Annexure II.	We understand bidder to consider the Qty only required for 220/33kV SS(i.e Qty mentioned in 220/33kV Gopinathpur) only as per the tools & tackles as per Annexure I & Annexure II .Remaining substations(i.e.Qty in All132/33kV,All 220/132/33kV S/S) are not applicable for this package & we shall not quote for the same. Please Confirm our Understanding.	Yes to consider for 220/33 KV s/s only. Annexure-I & Annexure-II may be followed.
6	Amendment	Price Schedule	36.00	22 of 101	Any Special Tools & tackles for complete the installation of the 220kV GIS (To be supplied on returnable basis)	We are considering Tools & Tackles as per clause No 3.2.12 & 3.2.23 of 220kV GIS Specification, the same is included in the SL.No 35 of Price schedule. Hence we don't envisage any special tools & tackles in SI.No.36. Kindly confirm the same.	Both SI No. 35 & 36 are to be quoted.
7	Amendment	Price Schedule	AMC	93 of 101	AMC shall commence after the guarantee period.	Kindly confirm whether bidder need to consider the spares & consumable for the operation of these guarantee period also.	Yes.

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8					Guarantee Period	<p>The price schedules does not mention the operation & Maintenance of the substation during the warrant period. We understand that the operation of the substation during the Warranty period shall be done by OPTCL it self. Please confirm our understanding is correct.</p> <p>In the event if we have to consider the Operation and Maintenance of the proposed substation, kindly provide a line item along with the required no. of persons to enable us to quote accordingly.</p> <p>Please Clarify the same.</p>	<p>Operation shall be done by OPTCL. The maintenance, if any required to be done by the contractor. Operation shall be done as per the guide line recommended by the GIS manufacturer/contractor.</p>
9	Amendment	Price Schedule	11.20	6 of 101	33kV XLPE,Cu,3CX95 Sq.mm	<p>The fault level for 33KV system mentioned in the specification is 25kA for 3 sec. The size of the 33KV cable for interconnection the Axillary Transformer specified in the price bid/ specification is 3CX95 Sq. mm cable. 3C x 95 Sq mm Copper cable cannot withstand the SC fault of 25KA for 3 sec. We shall not liable responsible for the failure of 33KV 3C x 95 cable because of non withstanding of SC level of 25KA in the event of the successful bidder.</p> <p>Please confirm.</p>	<p>The 33 KV side cable for station transformer 3C x 95 Sq mm Copper HT XLPE cable.</p>
10		Mandatory Spares	16.00	101	TOOLS & SPARE PARTS ETC AS PER TECHNICAL SPEC GIS SYSTEM E30(CL No. 3.2.12 & 3.12.13)	<p>As Per this clause Nos 3.2.12 & 3.12.13 spares are already covered in SL.No.1.1 220kV GIS System,tools & tackles covered in Supply schedule 2A Sr.No.35</p> <p>Kindly request you to clarify the same whether we need consider in both schedules.</p>	<p>As per BPS & technical spec.</p>
11					Guarantee & AMC	<p>As the Per the Brief Scope of work (Scope details Voll-II A),Transformer,PLCC,RTU will be free issued by Customer. Hence the guarantee & AMC of the same shall be excluded from bidder's scope of work .</p> <p>Please confirm the same.</p>	<p>Yes,excluded from bidders scope.</p>
12	Amendment	Price Schedule	AMC	93 of 101	AMC	<p>As per the Specification does not specify regarding the number of Manpower required and their qualifications and the required spares for the 3 years annual maintenance contract.</p> <p>Based on our experience of O&M we can optimise the needed manpower and spares to keep the station uptime healthy , Please confirm whether as experienced supplier , we can do this optimisation</p> <p>We request you to kindly confirm the required spares, Number of Manpower to be deployed for the substation operation and maintenance and the qualification of operation and maintenance persons if envisaged to enable us to quote accordingly.</p> <p>Please clarify.</p>	<p>Bidder to decide.</p>