



ODISHA POWER TRANSMISSION CORPORATION LIMITED
Janpath, Bhubaneswar-751022,Orissa.
NOTICE INVITING TENDER-NIT NO. 25 / 2012-13

CORIGENDUM -III TO NIT No. 25/2012-13

Package No	Description of the Package	Scheduled	Revised			
		Date of bid submission	Date of bid submission	Opening of techno commercial bid	Project completion period	EMD amount
23-01	DESIGN, ENGINEERING, SUPPLY, ERECTION, TESTING & COMMISSIONING OF 2X40 MVA (220/33 KV) 220/33 KV GAS INSULATED (SF6) SUB-STATION AT INFOCITY-II ,BHUBANESWAR & ASSOCIATED 220 KV DC LILO LINE ARRANGEMENT ON ONE CIRCUIT OF THE EXISTING NARENDRAPUR-MENDHASAL DC LINE ON TURNKEY BASIS ” (Bidding Document No. Sr. G.M-CPC- TENDER- GIS INFOCITY-II-PACKAGE- 23 / 2012-13)	16.10.2012 11.30 AM	31.10.2012 01.00 PM	31.10.2012 03.00 PM	24 months from the date of NOA	Rs 35,00,000.00

SI No.	DESCRIPTION	Bid Doc Volume/ CI No/Sub CI No.	AS PER EXISTING TENDER SPECIFICATION	REVISED
1	BIDDER'S QUALIFICATION CRITERIA (BQC)/ QUALIFYING REQUIREMENTS (QR).	Vol-I(INV)/5.0	<p>Para-[A]: 220/33 KV SUB-STATION WORK:</p> <p>5.1.1 The Bidder should have Designed, Constructed and Commissioned minimum One (01) Number 220 KV or higher voltage class sub-station having minimum 3 (three) Nos. Bays of 220 KV or higher voltage class on Turn-Key basis.</p> <p style="text-align: center;">OR</p> <p>5.1.2 The Bidder should have Erected (including civil foundation works), constructed, Tested and Commissioned minimum 8 (eight) nos. of 220 KV or higher voltage class Bays.</p> <p style="text-align: center;">The above works (5.1.1 or 5.1.2) should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of Two</p>	<p>Para-[A]: 220/33 KV SUB-STATION WORK:</p> <p>5.1.1 The Bidder should have Designed, Constructed and Commissioned minimum One (01) Number 220 KV or higher voltage class sub-station having minimum 3 (three) Nos. Bays of 220 KV or higher voltage class on Turn-Key basis.</p> <p style="text-align: center;">OR</p> <p>5.1.2 The Bidder should have Erected (including civil foundation works), constructed, Tested and Commissioned minimum 8 (eight) nos. of 220 KV or higher voltage class Bays.</p> <p style="text-align: center;">The above works (5.1.1 or 5.1.2) should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of One (01)</p>

		<p>(02) years reckoned from the date of opening of Techno-Commercial Bids.</p> <p>The bidder may or may not be the manufacturer of 220kV or above voltage class GIS switchgear/modules. In case the bidder is not the qualified GIS equipment manufacturer, they must obtain authorization(**as per format enclosed Annexure- XXVIII of Vol-IA), from the manufacturer of GIS equipments meeting the under mentioned criteria of (I) to (IV).</p> <p><u>Equipment qualifications: SF6 Gas Insulated Switchgear:</u></p> <p>(I) The bidder should supply the Gas Insulated Switchgear (GIS) equipments (220 KV & 33 KV) from internationally reputed GIS manufacturer.</p> <p>(II) The GIS manufacturer must have the following performance for the SF6 gas insulated sub-station equipment duly Designed, Manufactured, Tested (as per IEC or equivalent standard) & Supplied to 220kV or above voltage class SF6 Gas</p>	<p>years reckoned from the date of opening of Techno-Commercial Bids.</p> <p>The bidder may or may not be the manufacturer of 220kV or above voltage class GIS switchgear/modules. In case the bidder is not the qualified GIS equipment manufacturer, they must obtain authorization(**as per format enclosed Annexure- XXVIII of Vol-IA), from the manufacturer of GIS equipments meeting the under mentioned criteria of (I) to (IV).</p> <p><u>Equipment qualifications: SF6 Gas Insulated Switchgear:</u></p> <p>(I) The bidder should supply the Gas Insulated Switchgear (GIS) equipments (220 KV & 33 KV) from internationally reputed GIS manufacturer.</p> <p>(II) The GIS manufacturer must have the following performance for the SF6 gas insulated sub-station equipment duly Designed, Manufactured, Tested (as per IEC or equivalent standard) & Supplied to 220kV or above voltage class SF6 Gas Insulated</p>
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		<p>Insulated sub-station.</p> <p>(III) The 220 KV or above voltage class SF6 Gas Insulated switchgear from GIS supplier/manufacturer must have been supplied to at least Two (02) nos. of GIS substations (with Min 4 bays each substation) in India and the 220kV GIS equipments/bays, must have been operating satisfactory at minimum Two (02) Nos. GIS substations in India and for a minimum period of Two (02) years, as on the date of bid opening.</p> <p>(IV) 220 kV or above voltage class GIS modules must be type tested at internationally reputed testing laboratories i.e. KEMA (Holland) ,CESI (Italy) ,CERDA (France) & PHELA(Germany). Type test reports shall not be older than Ten (10) years, as on date of bid opening.</p> <p>The bidder shall submit as a proof (V) 220kV GIS Equipments compliance to the above stipulations, a list of past supplies for last Five (05) years, customer's</p>	<p>sub-station.</p> <p>(III) The 220 KV or above voltage class SF6 Gas Insulated switchgear from GIS supplier/manufacturer must have been supplied to at least ONE (01) no.. of GIS sub stations (with Min 4 bays in substation) in India and must have been operating satisfactory of the said GIS substations for a minimum period of ONE (01) year,as on the date of bid opening.</p> <p>220 kV or above voltage class GIS modules must be type tested at internationally reputed testing laboratories i.e. KEMA (Holland) ,CESI (Italy) ,CERDA (France) & PHELA(Germany). Type test reports shall not be older than Ten (10) years, as on date of bid opening.</p> <p>The bidder shall submit as a proof of 220kV GIS Equipments compliance to the above stipulations, a list of past supplies for last Five (05) years, customer's certificate</p>
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		<p>certificate regarding the satisfactory operation of 220kV or above voltage class GIS equipments supplied and commissioned in India meeting the criteria (I) to (IV) above.</p> <p>** Please note that bidder shall submit of manufacturer authorization only from One GIS equipment manufacturer. In case of submission of authorization letters by the bidder, from more than one GIS equipment manufacturer, the bid of such bidder will be rejected without giving any reasons thereof.</p> <p>** The bidder shall undertake operation and maintenance for Three (03) years of the GIS substation after its completion and shall depute his trained personal at substation round the clock. The bidder shall keep the necessary spares at substation to carry out the maintenance of GIS during the period of operation of Three(03) years after the guarantee period as stipulated in the Tender specification. The personal shall be</p>	<p>regarding the satisfactory operation of 220kV or above voltage class GIS equipments supplied and commissioned in India meeting the criteria (I) to (IV) above.</p> <p>** Please note that bidder shall submit of manufacturer authorization only from One GIS equipment manufacturer. In case of submission of authorization letters by the bidder, from more than one GIS equipment manufacturer, the bid of such bidder will be rejected without giving any reasons thereof.</p> <p>** The bidder shall undertake operation and maintenance for Three (03) years of the GIS substation after its completion and shall depute his trained personal at substation round the clock. The bidder shall keep the necessary spares at substation to carry out the maintenance of GIS during the period of operation of Three(03) years after the guarantee period as stipulated in the Tender specification. The personal shall be trained by GIS supplier. The bidder shall</p>
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			<p>trained by GIS supplier. The bidder shall obtain undertaking from GIS manufacturer in this regard, shall enclose in the bid. The SF6 gas insulated sub-station equipment manufacturer should have dedicated GIS service team operation in India. Such undertaking shall be in the Non-Judiciary stamp papers of worth minimum Rs. 100/-</p>	<p>obtain undertaking from GIS manufacturer in this regard, shall enclose in the bid. The SF6 gas insulated sub-station equipment manufacturer should have dedicated GIS service team operation in India. Such undertaking shall be in the Non-Judiciary stamp papers of worth minimum Rs. 100/-</p>
1	<p>BIDDER'S QUALIFICATION CRITERIA (BQC)/ QUALIFYING REQUIREMENTS (QR).</p>	<p>Vol-I(INV)/5.0</p>	<p><u>Para- [B]: 220 KV TRANSMISSION LINE WORK:</u></p> <p>5.1.3 The bidder should have completed construction of Transmission line projects of 220 KV or, higher class, involving supply of materials, tower foundations, erection, stringing, testing and commissioning with a cumulative line length of not less than 50% (FIFTYPERCENT) (to be quantified against each package rounded off to the next whole No.) against each package and should have been completed during last 10 (ten) years and should be in successful</p>	<p><u>Para- [B]: 220 KV TRANSMISSION LINE WORK:</u></p> <p>5.1.3 The bidder should have completed construction of Transmission line projects of 220 KV or, higher class, involving supply of materials, tower foundations, erection, stringing, testing and commissioning with a cumulative line length of not less than 50% (FIFTYPERCENT) (to be quantified against each package rounded off to the next whole No.) against each package and should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of One (01) years</p>

		<p>operation for a minimum period of Two (02) years reckoned from the date of opening of Techno- Commercial Bids.</p> <p>OR</p> <p>5.1.4 The bidder should have completed construction of Transmission line projects of 220 KV or, higher, involving erection of Tower & Foundation, stringing, testing and commissioning with a cumulative line length of not less than 75% (SEVENTY-FIVE PERCENT) (to be quantified against each package rounded off to the next whole No) indicated against each package and should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of Two (02) years reckoned from the date of opening of Techno-Commercial Bids.</p> <p>5.1.5 In addition to the above (5.1.4) or (5.1.5), the Bidder should have own tower manufacturing facility or should have access with Transmission line tower manufacturer for supply of tower</p>	<p>reckoned from the date of opening of Techno- Commercial Bids.</p> <p>OR</p> <p>5.1.4 The bidder should have completed construction of Transmission line projects of 220 KV or, higher, involving erection of Tower & Foundation, stringing, testing and commissioning with a cumulative line length of not less than 75% (SEVENTY- FIVE PERCENT) (to be quantified against each package rounded off to the next whole No) indicated against each package and should have been completed during last 10 (ten) years and should be in successful operation for a minimum period of One (01) years reckoned from the date of opening of Techno-Commercial Bids.</p> <p>5.1.5 In addition to the above (5.1.4) or (5.1.5), the Bidder should have own tower manufacturing facility or should have access with Transmission line tower manufacturer for supply of tower materials. (Format of undertaking placed at Annexure-XVIII in</p>
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			materials. (Format of undertaking placed at Annexure-XVIII in Vol.-IA of bidding document).	Vol.-IA of bidding document). OR The Bidder who meets the QR as indicated in Cl. No. 5(PARA-A)-Vol-I and does not meet the QR as indicated in Cl. No.5(PARA-B) above, can participate in the tender, provided they submit the following undertaking in the Non-Judiciary stamp paper(worth Rs.100/-). “We M/S----- do hereby undertake that, if the contract (Sr. G.M-CPC-Tender-GIS Infocity-II-Package-23/2012-13) is awarded to us we will purchase the tower structural & the line materials from the OPTCL approved vendor & Erection of the said materials will be carried out through the approved Rate Contract holder of OPTCL”. * NAME OF THE RATE CONTRACT HOLDERS OF OPTCL & VENDOR LIST FOR THE STRUCTURAL MATERIALS MAY BE COLLECTED FROM THIS OFFICE.”
3	Project completion schedule/ Bar	Vol-I(INV)/33 &	Completion period for the project: 24 Months from the date of place of NOA/LOA.	Completion period for the project: 24 Months from the date of place of NOA/LOA. Project completion schedule/Bar Chart is

	chart	INB/16.6		enclosed.
4	Bid Security (EMD)	Vol-I(INV)/3	Rs. 0.70 Crores	Rs. 0.35 Crores
5	3.1.2 Conductor Type and Contacts	- Vol-II-TS-E30/3.1.2	Conductors shall be made of copper.	<i>The Bus bar conductors made of Aluminium having type tested with short circuit current rating 40 KA for 3 sec. 220kV GIS is with Aluminium Bus bars of rated current rating 2000 Amp at 50 deg centigrade ambient and should have been type tested for short circuit current of 40kA for 3 sec. 33 KV MAIN BUS Current Rating: 2000 Amp at 50 deg centigrade ambient (short ckt current 25 KA for 3 sec) & 33 KV RESERVE/TRANSFER BUS Current Rating: 1250 Amp at 50 deg centigrade ambient (short ckt current 25 KA for 3 sec).</i>
6	GIS Encapsulation	Vol-II-TS-E30/7	Three Phase for 220 KV & 33 KV Side.	The module shall be (1) Single phase/Three phase encapsulation for 220 KV Side GIS & (2) Three phase encapsulation for 33 KV side GIS.

7			PRE BID QURIES OF DIFFERENT PROSPECTIVE FIRM's	Clarification to Pre bid queries are uploaded. The bidders are to download & furnish the document along with the Bid, which will form a part of the tender document.
8	Bidding Proposal Sheets	Vol-IB-Schedule 2A,2B,2C, 3	Bidding proposal sheet for Supply Contract (2A), F&I (2B),Erection Contract Cum AMC (2C) & Mandatory Spare (3).	Revised Bidding Proposal sheet is enclosed. 2A,2B,2C for sub-station and Transmission line, Schedule:3 for Mnadatory Spare & a separate contract for AMC (2D).
9	SAS	Vol-II-TS-E-21- 2.1 General system design	Bidder shall offer the Bay level unit (a bay comprises of one circuit breaker and associated disconnecter, earth switches and instrument transformer), bay mimic along with relay and protection panels and PLCC panels (described in other sections of technical specifications) housed in air-conditioned Switch yard Panel Room suitably located in switch yard and Station HMI in Control Room building for overall optimization in respect of cabling and control room building.	The relay panels & Bay control units are to be installed in the control room building.

ALL OTHER TERMS & CONDITIONS SHALL BE UNCHANGED.

CHIEF GENERAL MANAGER (CPC)