



परियोजना इंजीनियरिंग
प्रबंधन

Project Engineering
Management

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)

Ref: PE/PG/EN1/E-5545/CORRIGENDUM-01

Date: 24/04/2017

Subject: BOQ Cum Price Schedule (amendment) for Indian bidder of CHEMICAL DOSING SYSTEM of 2X660 MW ENNORE SEZ STPP.

Our Ref: TENDER ENQUIRY NO: **PE/PG/EN1/E-5545/2016** dated **03.04.2017** of **CHEMICAL DOSING SYSTEM of 2X660 MW ENNORE SEZ STPP** project.

Price schedule is amended for subject package for Indian bidders. Revised price schedule (amendment) Rev01 attached here with. All bidders to note the same and quote accordingly.

Thanking You

With regards

For & on behalf of BHEL

AK PANDEY

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Rev 01

2 x 660 MW ENMORE SEZ SUPERCRITICAL THERMAL POWER PROJECT
PACKAGE-CHEMICAL DOSING SYSTEM;TECH SPEC.NO.-PE-TS-412-154-A001 R1

BOQ CUM PRICE SCHEDULE(Doc.No.-PE-PT-412-154-A001) TO ENQUIRY NO.PE/PT/ET/2018 Date:

FOR INDIAN BIDDER												FOR FOREIGN BIDDER	
S. No.	DESCRIPTION	UNIT	QTY	Unit Ex-Works Price(duty packed) INR	Total Ex-Works Price(duty packed) INR	EXD% AS APPLICABLE on self manufactured items (INR)	GST @.....% AGAINST C FORM AGAINST E/VE2 (INR)	VAT @.....% (INR)	Freight including Service Tax In terms of percentage (- %) of Total Ex- Works Price (INR)	Total For site price (INR)	Unit CAF at Indian Port Price(CURRENCY)	Total CAF at Indian Port Price(CURRENCY)	
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART & MANDATORY SPARES comprising of design (i.e. preparation and submission of drawing documents including 'As Built' drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & facilities (as applicable), fit of lubricants & consumables (excluding chemicals), mandatory spares alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	2	3	4	5	6	7	8	9	10=5+7+8	11	12	
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.												
2.1	Prices inclusive of all prevailing taxes, duties and other levies for SUPPLY PART comprising of design (i.e. preparation and submission of drawing documents including 'As Built' drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & facilities (as applicable), fit of lubricants & consumables (excluding chemicals), alongwith spares for erection, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order. (Break-up of prices as per Annexure 1)	Set	1			NIL AS PER CLAUSE NO.18C OF SCC							
2.2	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for Mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break-up of mandatory spares is to be furnished as per Annexure-1).	Lot	1										
Particulars of Bidder / authorised representative													
Name	Designation	Signature	Date	Company Seal									

Signature

Rev01

3 x 600 MW ENCORE BEZ SUPERCRITICAL THERMAL POWER PROJECT											
PACKAGE:CHEMICAL DOSING SYSTEM:TECH.SPEC.NO. PETS-412-164-AD01 R1											
MANDATORY SPARES LIST-ANNEXURE 4											
BIDDING PRICE SCHEDULE(Doc.No.PETS-412-164-AD01) TO ENQUIRE NO.PET/POWER/4-2016 Dated:											
FOR INDIAN BIDDER											
S. No.	DESCRIPTION	UNIT	QTY	Unit Ex-Works Price(daily packed) INR	Test Equipment Price (per set)	EDG AS APPLICABLE as per CONTRACT FORM	VAT @ - 12% (GROSS)	Freight including Services for in terms of percentage (- 1% of Total Ex-Works Price (INR))	Total Ex-Works Price (INR)	UNIT CIF at India Port Price(CURRENCY)	FOR FOREIGN BIDDER Total CIF at India Port Price(CURRENCY)
1	Cleaning pump & drive	None	1 no. for each type & size								
2	Agitator	None	1 no. for each type & size								
3	Call Mandatory Spares (for each unit)										
3	Each type of Inlet, SPN, LPTN, Line, MCB, MCCB used in the equipment/ system	None	20% of installed of each type								
4	Indicators, Relays, Electrical Metering and Skill Mounted Instruments										
A	For skill mounted instruments	None	10% of total number of instruments for each type and requirements for each type and model or a minimum of one instrument for each type and model, whichever is more								
B	Temperature, Transmitters and Electronic Transmitters (For Pressure, Temp, DP, Flow Level), Temperature, Pressure, Flow & Level Switch, Safety switches, Gauges, Meters, Transmitters, or any other instrument etc. meters, any other instrument etc.	None	10% of total number of instruments for each type and requirements for each type and model or a minimum of one instrument for each type and model, whichever is more								
C	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with their sets of electric cables	None	10 % of installed of each type and requirements for each type and model or a minimum of one instrument for each type and model, whichever is more								
D	Relay Based Control Panels	None	10% of quantity installed.								
A	LEDs for indicating lights	None	300% of installed of each type, current rating								
B	Control circuit board (MCMC) CDD Semiconductor fuses	None	20% spare of quantity installed of each type & rating.								
C	Relays modules & contacts	None	5% spares of each size installed								
D	Alarm Annunciation System	None	20% of quantity installed								
A	Un-engineered window boards complete with LED etc.	None	10% (10) percent of each type & size installed								
B	LEDs for annunciation face windows and	None	10% (10) percent of each type & size installed								
7	Direction hardware	None	10% (10) percent of each type & size installed								
A	Instrument covers	None	10% (10) percent of each type & size installed								
B	Condensate pots of each type & size installed	None	10% (10) percent of each type & size installed								
C	Manifold	None	10% (10) percent of each type & size installed								
D	Flange	None	10% (10) percent of each type & size installed								
B	Stroke actuator (I to E converter)	None	10% of qty. installed of each category covered or at least 2 category covered, whichever is more (whichever is more)								
Blocklist Mandatory Spares											
B	415 V Motors	None	110 Nos. each for small motors up to 30 kW & 4 Nos. each for more than 30 kW								
A	Terminal plates	None	2 sets								
B	Heaters	Sets	4 sets each type of motor								
C	Greasing arrangements	Sets	10% of the installed quantity or minimum 1 number whichever is higher								
D	Motor of each type and rating	None	4 sets								
E	Bearings (OE and MSE) for each type and rating of motor	Sets									
TOTAL											
Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidder's scope of supply.											
Particulars of bidder / authorized representatives											
Name	Designation	Signature & Company Seal	Date								

Signature

rev 01

ANNEXURE-I

2 x 600 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT

PACKAGE-CHEMICAL DOSING SYSTEM;TECH.SPEC.NO.-PE-TS-412-154-A001 R1

BOQ CUM PRICE SCHEDULE(Doc.No.-PE-PF-412-154-A001) TO ENQUIRY NO.PE/QUENYE-2016 Dated:

FOR INDIAN BIDDER										FOR FOREIGN BIDDER			
S. No.	DESCRIPTION	UNIT	QTY	Unit Ex-Works Price(daily packed) INR	Total Ex-Works Price(daily packed) INR	EDQ @.....% AS APPLICABLE on self-manufactured items (BIR)	CST @.....% AGAINST C FORM AGAINST E/NEZ (BIR)	VAT @.....% (BIR)	Freight including Service Tax in terms of percentage (.....%) of Total Ex-Work Price (BIR)	Total For site price (BIR)	Unit GBP at Indian Port Price(CURRENCY)	Total GBP at Indian Port Price(CURRENCY)	
2.1	BREAK-UP OF SUPPLY PRICES GIVEN IN 2.1 OF MAIN SHEET. Prices inclusive of all prevailing taxes, duties and other levies for SUPPLY PART comprising of design (i.e preparation and submission of drawing/documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & facilities (as applicable), delivery, installation, commissioning, start-up, training, O&M, spare parts, consumables, etc. for the period specified above, complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements to placement of order.	Set	1										
2.1.1	Hydrazine dosing skid	No.	2										
2.1.2	Ammonia dosing skid	No.	2										
2.1.3	NaOH dosing skid	No.	2										
2.1.5	Supply of Commissioning spares inclusive of all prevailing taxes, duties and other levies etc. (As per BHEL NIT & tender technical specification, amendment & agreements to placement of order.)	Set	1										
TOTAL													
Particulars of bidder / authorised representative													
Designation				Signature				Date		Company Seal			
Name													

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