



BHARAT HEAVY ELECTRICALS LIMITED/PEM-NOIDA

Corrigendum-1

PROJECT: 4X270 MW BHADRADRI TPS

Date: 17.02.2018

PACKAGE: EFFLUENT TREATMENT PLANT

ENQUIRY NO: E-5846/2017 Dtd. 06.02.2018

Dear all,

Please note the following.

1. Due date of tender submission is now extended from 17/02/2018 (02:00 pm) to 28/02/2018 till 2:00 pm and P1 shall be opened on 28/02/2018 at 3:00 pm.
2. Pre-bid queries of vendors are attached along with corrigendum-1.
3. Bidders (who had already submitted their offer) are requested to review their offer once again and should incorporate all the necessary amendments, revisions updated over website till date. It should be complete in all respect.
4. Please ensure submission of offer on or before due date.

Kindly ensure submission of offer on or before due date and time.

**GURU
DAS**

Digitally signed by GURU DAS
DN: cn=IN, o=BHARAT HEAVY
ELECTRICALS LIMITED,
postalCode=201301, st=Uttar Pradesh,
2.5.4.20=3db2e6c6c6397422000b9a92
49f42f5f61e92945b626eadf3af7beb0a0
8b453,
serialNumber=19460d240f2b0f295a0b/
a9d5fb2ec0cc4ddd4ece06fe8add06e30
dc5a1986c7, cn=GURU DAS
Date: 2018.02.17 16:07:20 +05'30'

GURU DAS
DY.MGR/BOP-Ordering

A		B	C	D	E	F	G
1		Schedule For Pre-Bid Clarifications					
2	Volume	Section	Clause No.	Page No.	Specification Requirement	Clarification	Reasons For Clarifications
3	SPECIFICATION NO. PE-TS-411-164-A001, R1	Section-1A	4.1.1	125 of 481	Thermocouple / RTD elements (10% of each type and length of elements, or a minimum of one number, whichever is more.) - 2 Lot	M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% of each type and length of elements, or a minimum of one number, whichever is more"	To reduce impact on pricing
4	SPECIFICATION NO. PE-TS-411-164-A001, R1	Section-1A	4.1.2	125 of 481	Thermowells for each type of temperature sensors (10% or minimum of one for each type, whichever is more.) - 2 Lot	M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% of each type and length of elements, or a minimum of one number, whichever is more"	To reduce impact on pricing
5	SPECIFICATION NO. PE-TS-411-164-A001, R1	Section-1A	4.2.1	125 of 481	Transmitters and Electrical Transducers (10% of total number of offered for each model and type for the project or a minimum of one number, whichever is more.) - 2 Lot	M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% of total number of offered for each model and type for the project or a minimum of one number, whichever is more"	To reduce impact on pricing
6	SPECIFICATION NO. PE-TS-411-164-A001, R1	Section-1A	4.3.1	125 of 481	Local gauges/ Switch (for Pressure, DP, Temperature, Flow, level, etc.) (10% of total number of Instruments offered for each model and type for the project or a minimum of one number, whichever is more.) - 2 Lot	M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% of total number of Instruments offered for each model and type for the project or a minimum of one number, whichever is more."	To reduce impact on pricing

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Schedule for Pre-Bid Clarifications					B	
A	B	C	D	E	F	G
1	2	3	4	5	6	7
Volume	Section	Clause No.	Page No.	Specification Requirement	Clarification	Reasons for Clarifications
1						
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A		B		C		D		E		F		G	
1		2		3		4		5		6		7	
Volume		Section		Clause No.		Page No.		Schedule for Pre-Bid Clarifications		Specification Requirement		Clarification	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.4.17		126 of 481		Interposing / coupling relays of each type. - 2 Lots (5% of total quantity)		Considering 2 Lots for the respective Electronic/I/O/PLC related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "3% requirement".		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.5.1		126 of 481		Fuses (3 times, the one hundred percent spare replacement fuses shall be furnished with each panel board). - 2 Lots		Considering 2 Lots for the respective Electronic/I/O/PLC related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "Three times 100% spare replacement".		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.5.2		126 of 481		Electronic modules for UPS, Charger, static switch & stabilizer and DC power supply system with each set consisting of at least one number of each type of electronic module for Inverters, chargers, static switch, stabiliser etc. - 2 Sets		M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "At least one number of each type of electronic module for Inverters, chargers, static switch, stabiliser etc."		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.5.3		126 of 481		Battery cells - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% requirement".		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.5.4		126 of 481		Thyristor without heat sink - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC/UPS related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% requirement".		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.5.5		126 of 481		Semiconductor fuse - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC/UPS related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "10% requirement".		To reduce impact on pricing	
SPECIFICATION NO. PE-TS-411-164-A001, R1		Section-1A		4.6.2		127 of 481		Bulbs for indicating lights (Three times the one hundred percent spare replacement) - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC/UPS related items are in the higher end, 1 No. Spare would serve the purpose. M/s BHEL to quantify the No. of spares to be considered & clarify the meaning of "Three times 100% spare replacement".		To reduce impact on pricing	

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Volume		Section		Clause No.		Page No.		Specification Requirement		Clarification		Reasons for Clarifications	
SPECIFICATION NO. PE- TS-411-164-A001, R1		Section-1A		4.6.3		126 of 481		control circuit fuses of each current rating (Three times, the one hundred percent spare replacement) - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC/UPS related items are in the higher end, 1 No. Spare would serve the purpose. M/s BH&L to quantify the No. of spares to be considered & clarify the meaning of "three times 100% spare replacement".		To reduce impact on pricing	
21													
SPECIFICATION NO. PE- TS-411-164-A001, R1		Section-1A		4.6.4		126 of 481		Push buttons, electrical control switches and illuminated push buttons etc - 2 Lot (10%)		Considering 2 Lots for the respective Electronic/I/O/PLC related items are in the higher end, 1 No. Spare would serve the purpose. M/s BH&L to quantify the No. of spares to be considered & clarify the meaning of "10% requirement".		To reduce impact on pricing	
22													
NIT Document		NA		NA		NA		NA		Kindly confirm whether the hardcopies of our submitted tender documents online need to reach the M/s BH&L on or before the Due Date viz. 17/02/18 (02:00PM), please confirm. Kindly provide the full address to which we need to send the hard copies, if required		For Clarity in understanding Tender Submission requirements	
23													
SPECIFICATION NO. PE- TS-411-164-A001, R1		Section-1A - Annexure-XII - Input Drawings		NA		233 of 537		Plot Plan provided by BH&L is available		BH&L to provide the layout of the treatment system		To arrive at the instrument cabling distances & enable better understanding of system spacing between the various sumps & the treatment area.	
24													

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Bidder to refer Electrical scope sheet included in sub section:1B for scope of cable in technical specifications, in which supply of Power cable, control cable, screen control cable is in BH&L scope. However, for scope of E&C for cables between both ends of bidder's equipment, bidder to refer plot plan and P & ID in which distances/locations between both ends has been provided. In addition, for scope of FO cable, bidder to refer elsewhere indicated in technical specification.