



BHARAT HEAVY ELECTRICALS LIMITED

PROJECT ENGINEERING MANAGEMENT

PROJECT : 2X800MW TANGEDCO UPPUR-BTG
PACKAGE : VENTILATION SYSTEM
TENDER ENQUIRY NO.: PE/PG/UPP/E-5780/2017 Dt. 28.11.2017.

DATE: - 12.12.2017

Corrigendum-02

In reference to the above mentioned tender enquiry for VENTILATION SYSTEM package, there are reply of pre bid queries as appended below.

All the other terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Bidders are requested to ensure submission of offer on or before due date.

Regards

VINIT
KUMAR
VERMA

Digitally signed by VINIT KUMAR
VERMA
DN: c=IN, o=BHARAT HEAVY
ELECTRICALS LIMITED,
postalCode=201301, st=Uttar
Pradesh,
2.5.4.20=d548b01156ed58ab733462
02c216ee861e12e8b63f0d6c65273
23d5766b2f,
serialNumber=8b70562ef6f7d5c55
8c26fb12c7db987645ca810453d36
85305ea07a561880, cn=VINIT
KUMAR VERMA
Date: 2017.12.12 15:13:17 +05'30'

Vinit Kumar Verma
Dy. Mgr./ PG-BOP



BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING MANAGEMENT

Pre-Bid Query:

Description	BHEL Reply
In price format cum BOQ, you have mentioned to provide the local control panel at Sr. 15, whereas same shall be not required as per electrical scope matrix.	Bidder understanding is correct i.e local control panel is not specified in electrical scope matrix of technical specification. However, in the C&I portion refer clause no. 1.5 of Specific Technical Requirements page 445 of 679 it is clearly mentioned that “Local control panels for ventilation system, wherever applicable, shall be provided by the vendor”.

**VINIT
KUMAR
VERMA**

Digitally signed by VINIT
KUMAR VERMA
DN: c=IN, o=BHARAT HEAVY
ELECTRICALS LIMITED,
postalCode=201301, st=Uttar
Pradesh,
2.5.4.20=6548fa01156ed58ab7
33462e2c216ee861e12e8b63f3
f0fd6527323d5766b2f,
serialNumber=8b7f06e2ef4d7d
-9c059c26fb12c7db987c445ca8
10453d3685305e07a561880,
cn=VINIT KUMAR VERMA
Date: 2017.12.12 15:13:28
+05'30'

	1x800 MW TANGEDCO NORTH CHENNAI TPP VENTILATION SYSTEM PRE-BID CLARIFICATION SCHEDULE		SPECIFICATION NO:PE-TS-423-554-A001	
			VOLUME: II	
			SECTION: 4	
			REV. NO. 00	DATE: 7th December 2017
			SHEET: of	
PRE-BID CLARIFICATION SCHEDULE				
S. NO.	SECTION/CLAUSE/PAGE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED	
1	Sl.No. 4.b) of Price Schedule	Motorized Actuator with single phase indicated lamps, etc.	Kindly confirm, whether motorized Actuator of single phase or 3 phase since customer specification indicates Motorized Actuator of 3 phase only. Where as in Price schedule under sl no 4.b) indicates 1 ph Actuator only.	
2	Clause No.2.1.10.7.1 (c), Volume-II Section-2, Page no. 47 of 679	Air Washer shall be double bank spray type mainly In the Air Washer Plant Room	The internals Air Washer contain Pre & Fine Filter both whereas PID indicated only one layer of Filter.Kindly confirm	
3	Clause No.2.1.10.8.15, Volume-II Section-2, Page no.63 of 679	Axial & Propeller fans shall have single piece cast aluminium impeller with blades of aerofoil design The same shall be spray or hot dip galvanized.	Single piece cast aluminium constructed propeller fans are not available in the market. Only MS fabricated Impeller will be available and the same items we have supplied in our earlier BHEL projects. Kindly confirm .	
4	Refer PID for Air Washer & UAF and page 454 of 679		Please confirm No. & type of instruments will be considered as per PID. Since there is lot of confusions in the different clauses of specification, like clause No. 2.3.3.1 - General requirement, chapter-III under technical specification (C&I)	
5	Refer PID for UAF and page 42 of 679 vol-II Sec 2		Double bank spray arrangement is shown in PID where as in the specification of UAF indicates single bank spray arrangement. Please confirm which one is correct. If it is double bank please confirm the design criteria of circulating water quantity.	
6	Refer Annexure-III of Price Schedule		Kindly provide the correct sheet of Guaranteed Power Consumption (GPC) under the same Annexure.	
7	Clause No.2.1.10.4.j, Page No.42 of 674	Circulating waterfor UAF, it shall be min. 0.6 cu.m/1000 of air flow whereasefficiency of UAF is 90%	Please confirm.	
8	Clause No.2.1.10.7.1.(c), Page No.46 of 674	Aie Washer shall be Pre & Fine Filter	Please confirm.	

திருச்சி  1x800 MW TANGEDCO NORTH CHENNAI TPP VENTILATION SYSTEM PRE-BID CLARIFICATION SCHEDULE		SPECIFICATION NO:PE-TS-423-554-A001	
		VOLUME: II	
		SECTION: 4	
		REV. NO. 00	DATE: 7th December 2017
		SHEET: of	
<u>PRE-BID CLARIFICATION SCHEDULE</u>			
S. NO.	SECTION/CLAUSE/PAGE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED
9	Sl.No.6 under Sub-section-C1, Page No. 27 of 674 of Specific requirement	Design margin shall be maintain as follows: For Fan a)Head-20% b)Flow-20% For Pump a)Head-20% b)Flow-15%	Kindly confirm the design margin for fan & pump shall be 20% against head and 20% against flow would be simultaneously or either of eac. which will be far larger model from the designated capacity as per the specification.
10	Mandatory Spare List Sl.No.v.2) &vi) of sub-section:E, Sheet 3 of 4, Page 617 of 679	Sl.No v.2)Ten (10) percent of total number of condensate pots size installed. Sl.No vi) Bidder to supply 10% or 1 no. (whichever is more) of each type of sensor/instrument non nucleonic density transmitter etc.	Items indicated in the referred clause and sl Nos are totally irrelevant and not applicable for the system we are quoting for. Hence it would not be possible for quote. Kindly confirm your acceptance.
11	Page No.68 of 679 , Sl.No. 10,11,12, 13...	... welding socket, Special Requirement, etc...	Kindly specify the scope of supply and is it relevent to the system ?
12	Price Schdule of Tender Document		Please provide Excel Sheet of Price Schedule
13	Annexure-II ,page no 617 of 679		There is no List of mandetory spares against particular Annexure and page. Pl.furnish.

Bidder to follow specification.

C&I to reply: BIDDER TO CONSIDER 10 % or 1 No. for applicable items like instruments etc.

Clause no 10, 11 (a), 12 and 13 mentioned in page no 68 of 679 are not applicable.

please use price format which is given at the time of enquiry.

refer annexure II of BOQ

PRICE FORMAT ANNEXURE - III Guaranteed Power Consumption For Ventilation System				Doc No:	PE-PF-423-554-A001	
				Rev No:	1	
				Date of issue	Nov-17	
NAME OF PROJECT:		1X800 TANGEDCO NORTH CHENNAI TPP				
NAME OF PACKAGE:		VENTILATION SYSTEM				
TECHNICAL SPECIFICATION No:		PE-TS-423-554-A001				
ENQ NO		PE/PG/NC3/E-5781/2017 Dt. 28.11.2017				
S.NO.	DESCRIPTION OF EQUIPMENT	NO OF EQUIPMENT		TOTAL GUARANTEED POWER CONSUMPTION FOR EACH	DUTY FACTOR	TOTAL KW
		WORKING 3A	STANDBY 3B			
1	2	3A	3B	4	5	6=3Ax4x5
1	VENTILATION SYSTEM FOR TG BUILDING					
1.1	Centrifugal Fan of air washers.	8	0		1	
1.2	Pumps for circulation of water in spray chamber of above air washer	4	4		1	
1.3	RE Units 50,000 CMH	16	0		1	
1.4	Centrifugal Fan of UAF for ESP bld.	1	0		1	
1.5	Pump for above UAF.	1	1		1	
				TOTAL (KW)		
Note:	Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as 691 KW. So long bidder's quoted guaranteed power consumption (GPC) above remains within this EPC, there will be no technical loading of bid on power consumption for evaluation. However, if bidder's quoted GPC exceeds EPC, there shall be technical loading of bid for evaluation @ Rs 588401/- per KW of additional power over EPC. Bidder's guaranteed power consumption at motor input terminals (not shaft power) as furnished in relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case power consumption is noted higher than EPC / bidder's quoted GPC whichever is higher, during inspection/ PG test, penalty @ Rs 588401/- per KW shall be levied on vendor.					
Particulars of bidder / authorised representative						
	Name	Designation	Signature	DATE	Company Seal	