

**TENDER ENQUIRY FOR VIS FOR MILL FOUNDATION FOR 2 X 800 MW TANGEDCO UPPUR
TPP-BTG**

Date: 18.11.2017

CORRIGENDA-1

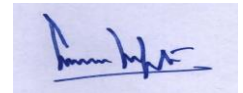
Tender Enquiry no.: PE/PG/UPP/E-5771/2017 Dt: 06.11.2017

DUE DATE
27-NOV-2017
02:00 PM IST

It may please be noted that bid submission due date for tender enquiry no. PE/PG/UPP/E-5771/2017 Dt: 06.11.2017 floated for "VIS FOR MILL FOUNDATION" package for subject project has been extended till 27.11.2017 (02.00 PM). Techno-commercial bid shall be opened on 27.11.2017 (03.00 PM). It may also be noted that drawings & revised Price format uploaded for this tender enquiry.

NO FURTHER EXTENSION FOR BID SUBMISSION SHALL BE GRANTED FOR THIS TENDER.

With Regards,
For & on behalf of BHEL



(Gaurav Gupta)
Dy. Mgr/PG-II/ BHEL-PEM

Please reply to:

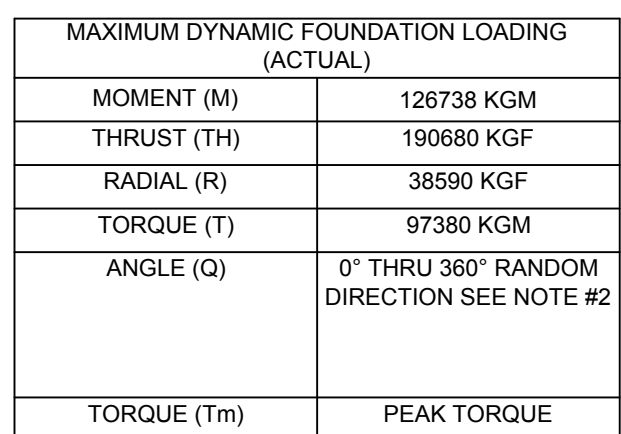
**Gaurav Gupta, Dy.Mgr
PG-II**

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Tel No. 0120-4368685/4368519, Fax: 0120-4329106

PROJECT:-2 X 800 MW TANGEDCO UPPUR TPP-BTG															
TENDER ENQUIRY NO.PE/PG/UPP/E-5771/2017 Dt: 06.11.2017															
ANNEXURE-I BOQ CUM PRICE SCHEDULE FOR SUPPLY OF VIS (STEEL HELICAL SPRING AND VISCOUS DAMPER) FOR MILL (18 NOS.) FOUNDATION															
NAME OF VENDOR: _____															
FOR INDIAN BIDDER															
FOR FOREIGN BIDDERS															
SL NO (1)	ITEM DESCRIPTION AS PER TENDER BOQ (2)	Required Load carrying Capacity (kN) for each foundation (3)	No of machine foundation (4)	HSN CODE (TO BE FILLED BY THE BIDDER) FOR EACH ITEM (5)	UNIT EX-WORKS PRICE (INR) (6)	TOTAL EX- WORKS PRICE (INR) (7)	FREIGHT CHARGES (8)	TOTAL PRICES (ex works + freight) (INR) (9)	APPLICABLE GST RATE IN % ON FREIGHT (10) (INR)	TOTAL PRICE F.O.R Prices with taxes (INR) (11)	UNIT C&F Chennai Sea Port Price (Currency) (12)	Total C&F Chennai Port Price (Currency) (13)	APPLICABLE GST RATE IN % ON Site Activities (Currency) (14)	GRAND TOTAL (Currency) (15)	REMARKS
SUPPLY OF VIS (STEEL HELICAL SPRING AND VISCOUS DAMPER) FOR MILL (18 NOS.) FOUNDATION															
A1*	COST OF VIS FOR MILL FOUNDATION	5732	18												
A2	PACKING & FORWARDING CHARGES														
A3	TOOLS FOR ACCESSORIES (Electric pump included)														
A	TOTAL COST OF VIS, INCLUDING PACKING FORWARDING & TOOLS FOR ERECTION(A1+A2+A3)														
DESIGN ENGINEERING OF MILL FOUNDATION DECK SUPPORTED ON VIS (SPRING TYPE)															
B1	CIVIL DESIGN ENGINEERING DOCUMENT FOR MILL FOUNDATION RESTING ON VIS														
B	TOTAL COST OF DESIGN ENGINEERING DOCUMENT OF MILL FOUNDATION RESTING ON VIS (B1)														
C	TOTAL COST OF VIS INCLUDING CIVIL DESIGN ENGINEERING DOCUMENT (A+B)														
SUPERVISION OF ERECTION AND COMMISSIONING OF VIS (STEEL HELICAL SPRING AND VISCOUS DAMPER) FOR MILL (18 NOS.) FOUNDATION															
D1	SUPERVISION OF ERECTION & COMMISSIONING OF VIS FOR MILL FOUNDATION RESTING ON VIS														One visit consisting of 5 days
D	TOTAL SUPERVISION PRICE (D1)														
In case of an extra visit, the above charges would be applicable for the visit and if there is any extra/loss stay during the visit at site, the charges shall be @ Rs. / per day															
E	TOTAL COST OF PACKAGE (C+D)														
Note (as per NIT requirement/Technical Specification),if any :-															
1. Load carrying capacity mentioned for the variable items ("marked) is tentative only and shall be used for bid evaluation and ordering purpose.															
2. The actual load carrying capacity of the springs may undergo change after ordering, based on springs selected during detailed engineering.															
3. In such a case, price bid evaluation shall be done again based on revised load carrying capacity of the springs keeping all the prices same as quoted originally. In case of change in L1 status, the quoted price per unit load carrying capacity (kN) of the variable items (i.e A1) of the original L1 vendor shall be proportionately reduced to maintain L1 status.															
4. Based on above, amendment to PO, if required, shall be issued.															
5. Generally the damping shall be required in the range of 5% to 20% of critical damping of whole machine foundation system to meet the design requirement. In exceptional case it may vary upto 30 % depending upon the available/selected spring unit as well as layout constraints. The bidder shall accordingly include the cost of damping in their quoted price for Cost of VIS per Unit load carrying capacity(kN). No extra price shall be provided on account of required damping. Cost of dampers is deemed to be included in the quoted rate of VIS (per kN).															
6. Price per Visit is 'lumpsum which includes travel and accommodation charge.															
Points for consideration before filling above price schedule-															
1.PRICES SHALL BE FIRM UNLESS OTHERWISE SPECIFICALLY INDICATED IN NIT .															
2. Vendor to mention HSN Code in specific Column for each item of BOQ.															
3. In case of discrepancy in GST rate corresponding to HSN code and quoted GST, the evaluation shall be done on quoted price and correct GST rate shall be considered for ordering (limited to quoted FOR site price)															
4. Unless the contract requires otherwise, in all tenders and tender related documents any reference to taxes such as ED, CST/VAT, Services, Tax etc. shall refer to GST as implemented by GOI w.e.f. 1.07.2017.															
5. GST/SGST/IGST/CGST shall be paid at actuals against documentary evidence but restricted to the amount and percentage in the order/contract.															
6. In case any GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry to timeline prescribed in the relevant Act for availing such ITC, or any other reasons not attributable to BHEL, tax amount shall be recoverable from the vendor/contractor along with interest levied/releivable on BHEL.															
7. All taxes and duties other than CGST/SGST/IGST shall be deemed to be included in the Ex-Works prices unless specified otherwise by the bidder in the price bid. No variation in other taxes and duties shall be payable by Purchaser.															

16/11/17



MACHINE OPERATING		FREQUENCIES
MOTOR SPEED	RPM	988
GEARBOX INPUT SPEED	RPM	988
GEARBOX OUTPUT SPEED	RPM	33
GRINDING BOWL SPEED	RPM	33
NO. OF GRINDING ROLLS	NO.	3
DYN CLASSIFIER MOTOR	RPM	600-1800
REDUCER INPUT	RPM	600-1800
REDUCER OUTPUT SPEED	RPM	80-240
DYN CLASSIFIER ROTOR	RPM	32-96



MOTOR DATA:-

SUPPLIER : B H E L - BHOPAL
RATING : 696 KW
SPEED : 988 RPM
FULL LOAD AMP STATOR : 85 A
VOLTAGE 3 PHASE 50 Hz : 6600 V
APPROX. WEIGHT OF MOTOR : 7550 Kgs
APPROX. WEIGHT OF ROTOR : 1700 Kgs
GD² OF ROTOR : 288 Kgm²
MAXIMUM FOUNDATION LOAD : 112 KN- UPWARDS
186 KN- DOWNWARDS
DIRECTION OF ROTATION : CLOCKWISE
(BI-DIRECTIONAL)

MILL DATA

1. MOTOR SPEED : 988 RPM
2. SPEED OF PULVERIZER : 33 ± 1 RPM
3. TOTAL WT. OF MILL : 140 TONNES.
(EXCLUDING MOTOR)
4. TYPE OF LOAD : MODERATE SHOCK LOAD

STATUS : CONTRACT

THE FOLLOWING CONDITIONS APPLY
EXCEPT OTHERWISE STATED.

1. REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.
2. CHAMFER M/C.D. SHARP EDGES 1.2 TO 1.0 AT 45°.
3. INTERNAL M/C.D. CORNER RADII 1 TO 0.7
4. THE SURFACE ROUGHNESS WHERE-VER NOT SHOWN SHALL BE TAKEN FROM THE SURFACE ROUGHNESS SHOWN OUT SIDE THE BACK SLASH GIVEN OR THE TOP MOST RIGHT CORNER OF THE DRG.

REFERENCE DRAWINGS:

1. GENERAL ARRANGEMENT DRAWING OF
HP-1103 MILL No: 0-00-620-87070.

[illegible]

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COMP. FILE NAME: 00087058

REF. DRG. NO.

INVENTORY NO

