

Project Engineering
Management

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)



2X660 MW SURATGARH STPS, STAGE-V / WORKSHOP EQUIPMENTS

Ref No. : PE/PG/SG5/E-4236/13

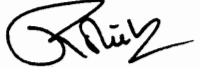
Date: 19.11.2013

CORRIGENDA / ADDENDA-1

Tender Enquiry no.: PE/PG/SG5/E-4236/13
Date: 13.11.2013

DUE DATE
07-Dec-13
02.00 PM

Financial PQR against Tender Enquiry PE/PG/SG5/E-4236/13 Dated 13.11.13 is attached in the annexure. All bidders are requested to quote accordingly.

With Regards,
For & on behalf of BHEL

Rohit Juneja
Engineer/PG-II-1

Please reply to:

Rohit Juneja
PG-II-1

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No. 0120-4368848, Fax: 0120-4329106

A) The bidder needs to score minimum qualifying marks of 15 (total of all the parameters) based on the financial data as per the below Table :

SL NO.	PARAMETER	CRITERIA	MARKS	Maximum Marks	MARKS AWARDED
1	Growth of Net Worth over previous year (%) Average of three years to be worked out	>20% 10-20% 5-10% >0 & < 5% 0 or below	5 4 3 2 0	5	
2	Debt Equity Ratio Long term Debt / (share capital+free reserves)	1:1 1.1 upto 1.5:1 1.6 upto 2.0:1 2.0 & above	5 4 3 2	5	
3	Quick Ratio (Current Assets-Inventories) /Current Liabilities	1:1 1:1 upto 1.5 1:1.5 upto 1.75 1:1.75 upto 2.5 1:>2.5	5 4 3 2 0	5	
4	Growth in Sales over previous year % Average of three years to be worked out	More than 35% 20-35% 10-20% 5-10% >0 & < 5% <0 (negative)	5 4 3 2 1 0	5	
5	PROFIT BEFORE TAX Growth over previous year	More than 20% 10-20% 5-10% >0 & < 5% 0 or below	5 4 3 2 0	5	
6	Whether the bidder has been referred to BIFR/NCLT/any other similar Govt. Agency	Yes No	-5 0	0	
7	Whether the bidder is a potentially sick company	Yes No	-3 0	0	
TOTAL SCORE				25	

a) The bidder has to submit financial accounts (audited, if applicable), for last four years (or from the date of incorporation whichever is less) as on tender due date to review the above data. In case the incorporation of vendor is less than 4 years, the evaluation of SI N. 1, 4 and 5 of above will be done based on available information.

b) Net worth means the sum total of the paid up share capital and Free Reserves. Free reserve means all reserves credited out of the profits and share premium account but *does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation* . Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.

c) Other Income shall not be considered for arriving at Annual Turnover/Sales.

FINANCIAL PQR**PROJECT**

SURATGARH

PACKAGE

WORKSHOP EQUIPMENT

B) The bidder also needs to qualify the following criteria:

Average annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should not be less than the sum of Turnover required as per Annexure-I against the item(s) quoted by the bidder.

NOTES:

1.The Part A of financial pre-qualification of the foreign bidder (other than Indian Bidders) may also be evaluated on the basis of the report from a reputed third party business rating agency like Dun & Bradstreet, Credit reform etc. The foreign bidder is to submit the report from reputed third party.

2.The bidders, who are already registered with BHEL PEM, without any financial limit, need not submit Financial PQR. In case of limit, the registered bidder may submit the documents required for review of limit alone, if the bidder wants re-assessment of the limit.

3.For evaluation of foreign bidder, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered.

ANNEXURE I			
2X660 MW SURATGARH TPP - Workshop Equipment			
Sl.no.	Machine Name	Brief Spec.	TURNOVER REQUIRED(in Rs.)
1	General Purpose Lathe	Height of Centres - 300mm, Swing over bed – 600 mm, Distance between centers - 3000 mm, Other parameters of the machine shall be as per manufacturer's standard.	3,96,000
2	General Purpose Lathe	Height of Centres -400mm, Swing over bed – 800 mm, Distance between centers - 3000 mm, Other parameters of the machine shall be as per manufacturer's standard.	4,20,000
3	Centre Lathe-Heavy Duty	Height of Centres - 550mm, Swing over bed – 1100 mm, Distance between centers - 5000 mm, Other parameters of the machine shall be as per manufacturer's standard.	6,60,000
4	Precision lathe	Height of Centres - 250 mm , Swing over bed- 500 mm, Distance between centers - 3000mm, Other parameters of the machine shall be as per manufacturer's standard.	2,40,000
5	Radial drilling Machine	Capacity drilling (max.) in mild steel: 50 mm diameter, 60 mm diameter in cast iron. Max. drilling radius – 1500 mm, Other parameters of the machine shall be as per manufacturer's standard.	2,70,000
6	Bench Drilling Machine	Drilling capacity in steel 20-40 mm, Work table size-350 mm X350 mm, Round work table- 430 mm dia, Other parameters of the machine shall be as per manufacturer's standard	30,000
7	Portable Drill	Drilling Capacity 6 mm to 25 mm, Geared motor to obtain different spindle speeds.	18,000
8	Column Type Drilling Machine	Drilling capacity in steel/ CI 40 / 50 mm.	1,23,000
9	Cylindrical Grinding Machine	Cylindrical grinding machine specified as SOB (swing over bed)– 350 mm, DBC (distance between centers)– 1500 mm, Other parameters of the machine shall be as per manufacturer's standard	5,16,000
10	Double Ended Grinder	Wheel Size 350 mm dia, Other parameters of the machine shall be as per manufacturer's standard.	10,500
11	Double Ended Grinder (Rough Grinder)	Wheel Size 350 mm dia, Other parameters of the machine shall be as per manufacturer's standard.	9,000
12	Tool & Cutter Grinder	Swing Over bed 280 mm, Distance between tailstock 750 mm	1,59,000
13	Flexible Shaft Grinder	Electric type, Geared motor, Mounting of Motor (Rotating, Straight, Swivelling and tilting mounting) ,Capacity 6 mm (collets)	30,000
14	Shaping Machine	Stroke-600 mm, Other parameters of the machine shall be as per manufacturer's standard.	2,31,000
15	Hydraulic Pipe Bending Machine	10 to 80 mm pipe size, upto 10 mm pipe thickness	2,70,000

SURATGARH ANNEX I WORKSHOP EQUIPMENT

Sl.no.	Machine Name	Brief Spec.	TURNOVER REQUIRED(in Rs.)
16	Plate Shearing Machine	12 mm X 2500 mm in Mild Steel	5,77,500
17	Hand operated shear	capacity 3.15 mm thick	10,500
18	Mechanical press	Capacity - 60 ton, Other parameters of the machine shall be as per manufacturer's standard	2,19,000
19	Fly Press	Capacity - 2 ton, Other parameters of the machine shall be as per manufacturer's standard	1,32,000
20	Vertical turning and Boring Machine	Max turning dia 1700mm, Table dia-1500, working height 1000 mm, Max vertical travel ram head-550 mm, horizontal travel of side ram head-300 mm , vertical travel of side ram head- 700mm, swivel angle of ram head +30 degree, AC Variable Frequency drive.	13,20,000
21	Slotting machine	Storke-500 mm, rotary table-510 mm, Longitudinal movement-400mm, cross movement-400mm, cutting speed strokes/min 60 to 90.	8,25,000
22	Hydraulic Hacksaw	To cut square and round material upto 300 mm	42,000
23	Pipe Threading Machine	Capacity – 62.5mm to 150 mm for pipes, threading length 150mm.	1,08,000
24	Dynamic Balancing Machine	Job dia (Max) -1 meter, Job Weight – 2 Tons.	2,61,000
25	Universal Milling Machine	Table - 1500 mm X 300 mm, Other parameters of the machine shall be as per manufacturer's standard.	3,30,000
26	Work Benches with Vice	Wooden with metal frame,Size 1800 (L)X 1200 (W) X 900 (H) with vice fitted on four corner, Vice jaw width - 150 mm	1,35,000
27	Portable drilling and grinding machine	As per Technical Specification(PE-TS-392-568-A001)	99,000
28	Set of Measuring tools	Scales, Protractors, Dial Gauge, Depth Gauge, Screw Driver Sets, Dividers, V Blocks, Planer Graphs, Tri Squares	46,500
29	Surface Plate	As per Technical Specification(PE-TS-392-568-A001)	45,000
30	Snap on tools	As per Technical Specification(PE-TS-392-568-A001)	16,500
31	General tools	As per Technical Specification(PE-TS-392-568-A001)	1,15,500
32	Vernier and Precision Micrometer	Vernier (0-150, 0-300, 0-600 mm), Inside Micrometer (0-50 mm, 0-150 mm, 0-300 mm), Out side micrometer (0-50, 0-100, 0-150, 0-300 mm)	30,000

SURATGARH ANNEX I WORKSHOP EQUIPMENT

Sl.no.	Machine Name	Brief Spec.	TURNOVER REQUIRED(in Rs.)
33	Crimping Tools	For crimping of aluminium / tinned copper, terminals, lugs, connectors, Range (0.5 to 16 mm ² , 10 to 95 mm ² , 10 to 185 mm ² , 50 to 400 mm ²)	33,000
34	Lockers	Size 1200 mm X500 mm X 1800 mm (H), 10 compartments with individual locking provision	33,000
35	Almiraha	Size 1200 mm X500 mm X 1800 mm (H), thickness 0.7 mm steel sheet fitted with 7 lever lock with 5 nos. of adjusted shelves	10,500
36	Pneumatically operated spanners	Pneumatic impact wrenches 1/2",3/8", air drill 2200 rpm power 0.44kw	16,500
37	Hand lamps	Without bulb	900
38	Static Balancing Machine	handling job dia 1.0 m job weight 2.0 T	2,61,000
39	Hot air blower	30 M ³ /Hr	25,500
40	Incubation heater	200 W	9,000
41	Hydraulic Puller	Capacity 100 ton, Maximum out side dia 1000 mm, Other parameters of the machine shall be as per manufacturer's standard	7,09,500
42	Set of Spanners	Double Ended open type all sizes upto 2 inches, Box type all sizes upto 2 inches	15,000
43	Valve Grinding and Lapping Tools	For Valve upto 150 NB	94,500
44	General Tools Kit	As per Technical Specification(PE-TS-392-568-A001)	49,500
45	Measuring Tools Kit	As per Technical Specification(PE-TS-392-568-A001)	1,15,500
46	Portable compressor and compressed air spraying equipment complete with spray gun and accessories suitable for painting application	Capacity: 127 litres / min, Pressure - 7.0 kg / cm ² (g), Reciprocating, Air cooled, Non lubricated, Air Receiver mounted, receiver capacity – 50 litres with suitable spray gun and accessories.	52,500

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Sl.no.	Machine Name	Brief Spec.	TURNOVER REQUIRED(in Rs.)
47	Portable sanding machine	Rubber backing pads of diameter 180 mm & polishing sponge diameter 160mm	12,000
48	Set of sign writing equipment and stencils	Stencils cutting machine 1" Heavy Duty, with the following accessories:- 1. 7"X22"double side poly-laminated oil Stencil Boards-200 Nos. 2. Stencil Brushes-6 Nos. 3. 1 kg tin oil Stencil Ink (Black)-1 No. 4. Dust cover-1 No. 5. Stainless Steel cleaning hook-1 No.	12,000
49	Buffing and polishing machine	Capacity 0.75 KW.	9,000
50	AC Welding Transformer	Portable Air /oil cooled, Max. continuous hand welding current (60% duty cycle) 300 Amps, Welding current range 50 to 400 Amps, Drip proof enclose, Maximum intermittent hand weld current 400 Amps.	81,000
51	Welding Generator Set	Maximum continuous hand welding current (60% duty cycle) 300 A, Range of welding current 50-400 Amp, Other parameters of the machine shall be as per manufacturer's standard	2,20,500
52	TIG Arc Welding	Portable forced air cooled, Capacity 200 Amps. 50 nos spare electrodes along with cable, hand gloves, protection shield.	1,74,000
53	Welding Rectifier	Max. continuous hand welding current (60% duty cycle) 300 Amps, Welding current range 50 to 400 Amps, Maximum intermittent hand weld current 400 Amps.	1,11,000
54	Gas Cutting Welding and Brazing Set	Capacity: Welding (Mild Steel)-25 mm (Max.), Cutting (Mild Steel)-150 mm (Max.) Shank	1,71,000
55	Oxy Acetylene gas cutting and	Oxy acetylene cutting torch with regulating nozzles shall be provided without any gas	42,000
56	Electrode drying oven	Temperature - 50 to 250 degree C, Size 500 mm X 500 mm	10,500
57	Welding Tables	Size – 750 mm (length) X 750 mm (width) X 900 mm (Ht)	66,000
58	Soldering Irons	25 Watts, 220 Volts	2,100
59	Portable electrode drier	Temperature : 50 to 250 OC, working space (approx.)– 80 mm dia. & 445 mm depth	24,000
60	Welder accesseries	Hand gloves, goggles, shield etc	9,000
61	Portable centrifuge	Capacity 2000 L/hr	1,35,000
62	Portable Pumping Unit	Capacity 6600 L/hr	1,20,000
63	Trolley Mounted Pumping unit	Capacity 10000 L/hr, 10 m head	90,000
64	Diesel tank	Cap 20 KL.	90,000