

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

**Project Engineering  
Management**



Ref. No. PE/PG/SG5/E-4271/13-04  
Enquiry No.: PE/PG/SG53/E-4271/13  
Date: 17/02/2014

2X660 MW SURATGARH STPS, STAGE-V  
COLTCS

**CORRIGENDA / ADDENDA -4**

Dear Sirs,

1. The last date of submission of tender for **CONDENSER ONLOAD TUBE CLEANING SYSTEM (COLTCS)** invited vide enquiry no. PE/PG/SG5/E-4271/13 dated 16/12/2013 is extended up to 07/03/2014 (02:00 PM). The techno-commercial offer shall be opened on 07/03/2014 (03:00 PM).
2. Bidder to also note that PRICE FORMAT for the subject tender has been revised and same is enclosed herewith. Bidders are requested to quote as per attached format only.

Thanking you,  
Yours faithfully,  
For and on behalf of BHEL

  
17.2.14

**ROHIT JUNEJA**  
**(ENGINEER/Project Group-II-1)**

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**COLTCS FOR 2X660 MW SURATGARH STAGE-V**

**PRICE FORMAT (REV. 01)**

BIDDER		FOR INDIAN BIDDERS							FOR FOREIGN BIDDERS	
		Unit Price Ex-Work (Rs) (3)	Total Ex-Works Price (Rs) (4)	Excise Duty (5)	CST@2% (Rs) (6)	Service Tax @ ...% (Rs) (7)	Freight Charges Including Service Tax (Rs) (8)	TOTAL F.O.R. SITE PRICE (Rs.) (9)	UNIT F.O.B PRICE (CURRENCY)	TOTAL F.O.B PRICE (CURRENCY)
1.0	<b>2 X 660 MW – SURATGARH STAGE-V</b> Total price for design, manufacture, assembly, inspection, testing, packing for transportation and delivery, including final check up of installation, commissioning, trial run and PG testing of COLTCS complete in all respect including all accessories & auxiliaries as specified in technical specification and as necessary including mandatory spares, commissioning spares of COLTCS including commission balls and special tools & tackles (as required) for erection & maintenance except for clause no. 2 & 3			NIL AGAINST PAC FOR DETAILS REFER SOC						
2.0	Lumpsum price for									
a)	• Installation checks, Commissioning									
b)	• PG test									
3.0	Mandatory Spares (As per annexure-II)									
4.0	<b>GRAND TOTAL</b>									

**NOTES:-**

1. Unit price quoted by bidder, as above, shall be binding for any quantity variation, which is at discretion of purchaser.
2. Price of commissioning & erection spares and other accessories not listed above shall be included in price of equipment & shall be supplied with the equipment.
3. Indicate all taxes, duties etc. stating whether included/ excluded in above prices.
4. Recommended spares item wise breakup with item wise price to be given as per "Schedule of Recommended spares" enclosed under vol-III of technical specification.
5. Recommended spares are only for reference purpose and not to be considered for evaluation and ordering purpose.

2X660MW SURATGARH STAGE-V

ANNEXURE-II TO PRICE FORMAT (REV. 01) - (List of Mandatory spares for COLTCS)

FOR INDIAN BIDDERS					FOR FOREIGN BIDDERS						
I.	Mandatory Spares (Mechanical)	Quantity for both units	Unit Price Ex-Work (Rs) (3)	Total Ex-Works Price (Rs) (4)	Excise Duty (5)	CST@2% (Rs) (6)	Service Tax @ ...% (Rs) (7)	Freight Charges Including Service Tax (Rs) (8)	TOTAL F.O.R. SITE PRICE (Rs.) (9)	UNIT F.O.B PRICE (CURRENCY)	TOTAL F.O.B PRICE (CURRENCY)
1	Sponge balls	50 Charges viz. Total 87500 nos. balls									
2	Abrasive balls	20 Charges viz. Total 35000 nos. balls									
3	Worm gear assembly for Ball separator screen	1 Set									
4	Ball separator screen	1Set									
5	<b>Ball recirculating pump for tube cleaning system</b>				NIL AGAINST PAC FOR DETAILS REFER SCC						
5.1	Rotating assembly	1 Set (Rotating assembly consists of all the rotating parts except the bearings.)									
5.2	Shaft with sleeves	1 Set									
5.3	Wearing rings ( if applicable )	2 Sets									
5.4	Bearings	2 Sets									
5.5	Impeller	1 No.									
<p>Note: One charge shall be equal to the total No. of balls required for each COLTCS per condenser section.</p>											
II.	<b>Mandatory Spares (C&amp;I Items)</b>										
S No.	Field Instruments/ Elements /Equipment (Gauges, Switches, transmitters etc.)	Quantity for both units									
1	Local gauges (including PG, DPG etc.)	10 % For each type size and range or minimum 2 No. whichever is higher.									
2	Field Switches (including PS, DPS etc)	10 % For each type size and range or minimum 2 No. whichever is higher.									
3	Transmitters (incl PT, DPT etc.)	10 % For each type size and range or minimum 2 No. whichever is higher.									
4	Junction Box	10 % For each type size and range or minimum 2 No. whichever is higher.									
5	Panels, local panels, System/Marshalling cabinets										
5.1	Fuses	100 Nos. of each type and rating									
5.2	Miniature Ckt Breaker(MCB)	20 Nos. of each type and rating									
5.3	Male/Female parts of pre-fabricated cables	12 Nos. of each type									
5.4	Space Heater	10 % For each type size and range or minimum 2 No. whichever is higher.									
5.5	Smoke detector	10 % For each type size and range or minimum 2 No. whichever is higher.									
5.6	Terminal Blocks	20 % of total quantity									
5.7	Terminals in Terminal blocks	20 Nos. of each type									
5.8	Cable clamps	10 Nos. of each type									
5.9	Blowers	2 No									
5.10	Cabinet Cooling Fans	8 Nos. of each type/rating									

