



ANNEXURE-I to Enquiry No. PE/PG/RTC/E-5742/2017 dtd 07.10.17
RATE CONTRACT
PRICE SCHEDULE FOR STEAM TRAPS

SL. NO.	TYPE	CONNECTING PIPE SIZE SIZE (NB)	PIPE THICKNESS (MM)	SERVICE DESCRIPTION	SERVICE	DESIGN PRESURE (KG/CM2(g)	DESIGN TEMP(deg C)	OPERATING PRESSURE AT INLET OF TRAP (kg/cm2)	OPERATING PRESSURE AT D/S OF TRAP (kg/cm2)	MAX. CONDESATE RATE (KG/HR)	FACTOR OF SAFETY	BODY	MATERIAL BODY INTERNALS	END CONN	BLOW OFF CONNECTION	IBR REQUIRED	TOTAL QUANTITY (MAIN)	UNIT EX-WORKS PRICE (DULY PACKED)	EX-WORKS PRICE FOR QUANTITY GIVEN AT CLM 18 (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TOTAL BOQ OF AIR TRAPS GIVEN AT SL NO-F OF COUMN 21	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES % OF TOTAL EX WORKS (INR)	GST @ % OF TOTAL EX WORKS + FREIGHT (INR)	TOTAL F.O.R SITE PRICE (INR)	Type of GST IGST/CGST/ UTGST/SGST	HSN Code	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
BOQ FOR GROUP-A																										
A	THERMODYNAMIC STEAM TRAP-LP	33.4	4.55	POWER CYCLE	INTERMITTENT	20	395	16	0.1 (VAC)	10	NOT LESS THAN 2	CS/SS	SS	SW	YES-PLUGGED	YES	388	Derived	40.92	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived			
B	THERMODYNAMIC STEAM TRAP-HP	33.4	4.55	POWER CYCLE	INTERMITTENT	73.5	380	66	0.1 (VAC)	10		CS/SS/EQUIVALENT OR HIGHER	SS	SW	YES-PLUGGED	YES	36	Derived	43.55	Derived			Derived			
C	INVERTED BUCKET TRAP	88.9(*)	5.49	DRAIN LINE	CONTINUOUS	7/ VAC	110	0.95 (VAC)	0.1 (VAC)	700		CS	SS	SW	YES-PLUGGED	NO	15	Derived	9.4	Derived			Derived			
D	BALL FLOAT STEAM TRAP	88.9(*)	5.49	DRAIN LINE	CONTINUOUS	7/ VAC	110	0.95 (VAC)	0.1 (VAC)	700		CS	SS	SW	YES-PLUGGED	NO	7	Derived	3.53	Derived			Derived			
E	EXTERNAL Y-TYPE STRAINER	88.9(*)	5.49	DRAIN LINE	CONTINUOUS	7/ VAC	110	0.95 (VAC)	0.1 (VAC)	700		CS	CS	SW	YES-PLUGGED	NO	22	Derived	2.6	Derived			Derived			
F															TOTAL		468	Derived	100	TO BE QUOTED = Rs X			Derived = Y			

NOTES:

1. For detailed material of construction refer pages 3 and 4 of DataSheet-A.
For items s.no. B , Equivalent/higher material is acceptable . Bidder to furnish MOC of the traps at s.no. A & B offered along with the offer in the compliance sheet and the same shall be binding.
2. Bidder to offer steam trap meeting the parameters mentioned in the Datasheet-A.
3. For item no. A and B, Bidder to offer Suitable matching pieces to match with connecting pipe size.
(*) For item no. C , D and E, strainer inlet & trap outlet shall be matched with connecting pipe size by bidder. Strainer outlet and trap inlet shall be matched through expander/reducer.
Bidder to consider all reducer/expander as required in the strainer in their scope
4. Bidder to mention NB & MOC of trap & strainer in the offer in compliance sheet and same shall be binding.
5. Painting: Heat resistant aluminium paint to IS-13183 Gr.I. TOTAL DFT-80 MICRONS.
6. Socket Welding (SW) will be as per ASME-B16.11.
7. CS:Carbon Steel, SS-STAINLESS STEEL, VAC: Vacuum, ATM: Atmospheric
8. Bidder to note that evaluation shall be on Grand Total FOR site price excluding GST to BHEL, however, Bidder to quote grand total Ex works value (Rs X) of the complete package only as per the BOQ above. The item wise break up of Ex works prices (unit as well as total) shall be derived as per the formulae indicated above by BHEL. Bidder also need to indicate taxes percentage in the respective column and freight percentage of Ex works value considering delivery anywhere in India in the freight column.
9. Rate contract shall be decided on the basis of grand Total FOR site price excluding GST of Total BOQ
10. Value is to be filled only where "to be quoted" is mentioned and for other columns where "derived" is mentioned same shall be derived by BHEL as per % allocation fixed against each item
11. Bidder to note that total price indicated above at SI no-F shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.
12. The unit price quoted by bidder shall be binding for quantity variation which is at discretion of purchaser.
13. Prices shall remain firm during contract execution.
14. For any clarification please refer Technical Specification No-PE-TS-020-100-M010
15. Price of all accessories, commissioning spares, special Tools & tackle and other accessories not listed above shall be included in the price of Steam Traps & shall be supplied with the Steam Traps.
16. In case of spares, any item indicated as "Not Applicable" by bidder but actually found applicable for Steam Traps , shall be supplied by bidder at cost based on cost percentage break-up for spares furnished along with NIT.
17. Bidder shall furnish this price Schedule indicating "Quoted/Not-Quoted" along with technical offer and actual prices in his price offer.
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