

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR
INSTITUTE WORKS DEPARTMENT
ELECTRICAL & AIR-CONDITIONING DIVISION**

No. 04 /AC/EE/2021/20

Dated 16-04-2021

QUOTATION NOTICE

M/s

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Sealed quotations are invited from the Specialized Agencies by the undersigned on behalf of the Director, IIT Kanpur for "**Servicing and maintenance of SHW System i/c replacement of damaged/defective accessories and associated works at Mess Hall-9..**" As per enclosed Bill of Quantity/ overleaf, so as to reach in this office on or before 27-04-2021 upto 3.00 PM and the quotation will be opened on the same day at 3.30PM in the presence of quotationers or their representative who want to be present.

The terms and conditions of the quotation are as under:

1. The quotations should be submitted in a properly sealed envelop, addressed to the undersigned. The enquiry nos. and date should invariably quoted on the top of the envelop.
2. The time allowed for carrying out the above noted work is 28(Twenty Eight) Days.
3. The rates quoted should be exclusive of GST, no other tax is payable except GST. GST shall be applicable as per Govt. norms..
4. Security @ 7.5% shall be deducted from the bills which shall be released on successful completion of defect liability period of six months.
5. The estimated cost of quotation is **Rs.107796/-**. The required earnest money of **Rs. 2156/-** is to be submitted in the form of FDR pledged in favour of the Director, IIT Kanpur alongwith the quotation. The earnest money of the unsuccessful quotationers will be returned within one month's time.
6. The quotations shall remain valid for 90 days from the date of opening.
7. Income tax will be recovered as per notification of Government from the bill and the amount so recovered will be deposited in the State Bank of India at the credit of the firm.
8. The earnest money/Security deposit will be regulated as per the norms of C.P.W.D.
9. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
10. The material should be used as per approved list of make.

QUOTATION

Sub: Servicing and maintenance of SHW System i/c replacement of damaged/defective accessories and associated works at Mess Hall-9.

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end).				
a)	20 mm.	1.00	Nos.		
b)	25 mm.	6.00	Nos.		
2	S/ Replacement of following size 304 grade SS threaded nipple following size i/c dismantling old if any complete as required.				
a)	1"x6"	2.00	Nos.		
b)	1.25"x6"	1.00	Nos.		
3	S/ Replacement of 25 mm SS flanged-nipple of SS- 304 grade having approx. 65 mm flange with welded 4"/6" nipple with 4 Nos. S S nut, bolt, washer & EPDM gasket i/c dismantling old if any complete as required.				
a)	1"x6"	4.00	Nos.		
4	P & F of following size 304 grade SS socket with welding and refilling etc and making water leakage proof i/c dismantling old if any complete as reqd.				
a)	1"x6"	1.00	Nos.		
b)	1.25"x6"	1.00	Nos.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
5	S/ Replacement of dead flange 5 mm thick of 304 grade SS having approx. 65 mm outer dia with 4 No SS nut, bolt & washer i/c dismantling old if any complete as required.	4.00	Nos.		
6	Providing and fixing G.I. "B" Class pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall.				
a)	25 mm.	25.00	Mtr.		
b)	20 mm.	4.00	Mtr.		
7	Dismantling and refixing of any type pipe line up to 25 mm by providing and fixing required fittings etc complete as required	10.00	Mtr.		
8	Dismantling of the old pipe line of the system and depositing same in the sectional store i/c cartage complete as required.	25.00	Mtr.		
9	S/Replacement of defective and damaged insulation on following size pipe line for hot water pipe line with 50 mm thick LRB Mattress Standard IS-3144, having Min 100kg/Cu-m density with 24 g chicken wire mesh etc complete as required .				
a)	25 mm.	30.00	Mtr.		
b)	20 mm.	2.00	Mtr.		
10	S/Replacement of defective and damaged aluminium cladding with 26 swg thick aluminium sheet on outer surface for 25 mm/ 20 mm G.I pipe having 50 mm thick insulation i/c fixing with screws complete as required (Make-Hindalco/Equiv.)				
a)	25 mm.	30.00	Mtr.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
b)	20 mm.	2.00	Mtr.		
11	Supply and making aluminium cladding bend app. 500 mm circumference outer suitable for following size G.I pipe with insulation. i/c fixing with screws complete as required. (Make-Hindalco/Equiv.)				
a)	25 mm.	10.00	Nos.		
12	P & F of following size and type water heating element (ISI marked) along with connecting wire i/c old dismantling if any, complete as reqd (Make-Daspass/Equiv).				
a)	3.0 Kw industrial water immersion heating element	4.00	Nos.		
13	P & F of Thermostat (Thermal cut-out) following size and type with connecting wire i/c old dismantling if any, complete as reqd (Make-Daspass/Equiv).				
a)	9 " (inch) long Rod type	2.00	Nos.		
14	Dismantling, cleaning, discaling , overhauling of Solar hot water panel (100 IPD) of installed SHW system with proper discaling chemical etc and reassembling, testing, commissioning i/c. P/F all ss nut, bolt, epdm gasket & ss washers etc as reqd.	20.00	Nos.		
15	Providing and fixing float ball valve (brass) of approved quality, High or low pressure, with plastic floats and brass rod complete as req.				
a)	25 mm.	2.00	Nos.		
16	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
a)	15 mm.	2.00	Nos.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
17	Locating and repairing leakage of Solar hot water panel (100 LPD) i/c dismantling of damage copper tubes, Upper & lower header, drilling and brazing with required sizes tube, flanges etc, making leak proof and painting with black paint and reassembling the panel as reqd.	4.00	Nos.		
18	Painting min two coat with super enamel Paint of SHW complete Panel (100 LPD) including panel stand, SS tank stand and makeup tank stands, pipe sports after cleaning the surface with sand paper/ cloth etc as reqd.	20.00	Nos.		
19	S/Replacement of min 5 mm thick toughen glass including cutting and making suitable size for fixing in solar panel of capacity 100 LPD. with necessary rubber gasket and aluminium frame Screw etc, complete as reqd.	2.00	Nos.		
20	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	80.00	Kgs.		
21	Providing and fixing of fabricated MS Clamp for flat plate collectors having one side tightening arrangement with 10 mm welded nut-bolt as reqd.	4.00	Nos.		
22	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/ 32 amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	2.00	Nos.		
23	Providing, laying, testing, and commissioning of following size Un-armoured PVC insulated Copper conductor power/control cable of following size on surface/recessed complete as required.				
a)	3 Core x 2.5 sq.mm	30.00	Mtr.		
24	Supplying and fixing of following sizes of medium class steel conduit along with accessories in surface/ recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
a)	20 mm.	14.00	Mtr.		
25	Providing & laying GI Flexible conduit of following size for existing Power/control cabling etc i/c clamp and screwing etc complete as reqd.	12.00	Mtr.		

Total Rs. _____



अभिषेकी अभियंता (वा०) E.E. (A.C.)
संनिधि, भा० संस्थान, कानपुर
I.W.D., I.L.T. Kanpur