

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

No. 62/AC/EE/2022/ 369

Dated 11-03-2022

QUOTATION NOTICE

M/s

Sealed quotations are invited from the electrical empanelled contractor/specialized agency by the undersigned on behalf of the Director, IIT Kanpur for "**Repair of SS tank of solar Hot water storage, descaling of hot water solar panels with associated work in system 1 & 2 installed in mess at Hall-8.**" As per enclosed Bill of Quantity/ overleaf, so as to reach in this office on or before 22-03-2022 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
2. in a properly sealed envelop, addressed to the undersigned. The enquiry nos. and date should invariably quoted on the top of the envelop.
3. The time allowed for carrying out the above noted work is 28(Twenty Eight) Days.
4. The rates quoted should be exclusive of GST, no other tax is payable except GST. GST shall be applicable as per Govt. norms..
5. Security @ 6% shall be deducted from the bills which shall be released on successful completion of defect liability period of six months.
6. The estimated cost of quotation is **Rs.129349/-**. The required earnest money of **Rs. 2534/-** 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.
7. The quotations shall remain valid for 90 days from the date of opening.
8. 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.
9. The earnest money/Security deposit will be regulated as per the norms of C.P.W.D.
10. The Institute reserves the right of accepting or rejecting any quotations without assigning any reason thereof.
11. The material should be used as per approved list of make.

QUOTATION

Sub: Repair of SS tank of solar Hot water storage,descaling of hot water solar panels with assoicated work in system 1 & 2 installed in mess at Hall-8.

| S.N. | Description | Qty. | Unit | Rate (Rs.) Words & Fig. | Amount |
|------|---|-------|------|----------------------------|--------|
| 1 | Repair of ss tank for hot water storage of 1000 litrs. capacity after removing old cladding & insulation including dismantling from stand, repair of leakage on both side (peripheral) connecting new socket , leak test after repair and re-installation on stand etc. complete as required. | 2.00 | Jobs | | |
| 2 | Descaling of flat Plate solar panel of 100 LPD capacity including dismantling, cleaning, descaling of hot water tubes of solar water heating system with descaling solution & neutralizing the same i/c. replacement of SS nut, bolt,ss washer with EPDM gasket and re-assembling, testing & commissioning etc. complete as reqd. | 20.00 | Nos. | | |
| 3 | Painting more than two coat of solar hot water complete system with flat plate collector panel of capacity 100 LPD including collector stand, hot water storage stand and makeup tank stands, pipe sports after cleaning the surface with sand paper/ cloth etc as reqd. | 20.00 | Nos. | | |
| 4 | Leakage repair of solar panel tubes of 100 LPD capacity including dismantling,removing and refitting the same after leakage repair with cutting/drilling, patching of copper tube and brazing etc. including leak test complete as reqd. | 5.00 | Nos. | | |
| 5 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : | | | | |
| a) | 25 mm nominal bore | 5.00 | Nos. | | |
| 6 | Supply and fixing SS socket of following sizes SS304 fixing in exisiting hole including removing leakage complete as reqd. | | | | |
| a) | 32 mm | 12.00 | Nos. | | |


| S.N. | Description | Qty. | Unit | Rate (Rs.) Words & Fig. | Amount |
|------|---|-------|-------|----------------------------|--------|
| b) | 25 mm | 2.00 | Nos. | | |
| 7 | Supply and fixing SS nipple 32 mm dia and 150 long grade_304 with tefflon tape etc. complete as required . | 12.00 | Nos. | | |
| 8 | Supply and fixing SS nipple 25 mm dia and 150 long grade_304 with tefflon tape etc. complete as required . | 2.00 | Nos. | | |
| 9 | Supply and fixing SS <i>flanged nipple</i> 65 mm OD ,grade_304 with welded SS nipple 25/ 20 mm ID, 100/150mm long, SS nut, bolts, , washers and gasket (EPDM) etc. complete as required. | 4.00 | Nos. | | |
| 10 | Supply and fixing SS <i>dead flange</i> 65 mm OD , grade_304 with 4nos. S S nut,bolts, washers and gasket (EPDM) etc. complete as required. | 2.00 | Nos. | | |
| 11 | Supply and fixing G.I Pipe of class "C" of following size with associated accessories sockets unions, elbow, tee fittings etc. complete as required. Make_Jindal,Tata,QST or ISI mark. | | | | |
| a) | 25 mm. | 22.00 | Mtrs. | | |
| b) | 20 mm. | 8.00 | Mtrs. | | |
| 12 | Supply and Fixing thermal insulation on following size hot water pipe line LRB (Glass wool Pad & chicken mesh wire) 50 mm thick 28 Kg/cum with binding material etc. complete as required. | | | | |
| a) | 25 mm. | 22.00 | Mtrs. | | |
| b) | 20 mm. | 4.00 | Mtrs. | | |
| 13 | Providing & Fixing aluminium cladding with aluminium sheet 26 swg on existing pipe of 20/25mm dia duly insulated with 50 mm insulation including cutting,shaping and fixing with screws etc. Complete as required.(make-Hindalco or equivalent). | | | | |

| S.N. | Description | Qty. | Unit | Rate (Rs.) Words & Fig. | Amount |
|------|--|-------|-------|----------------------------|--------|
| a) | 25 mm. | 20.00 | Mtrs. | | |
| b) | 20 mm. | 2.00 | Mtrs. | | |
| 14 | Supply & making of aluminium cladding bend (500 mm outer dia) suitable for 25/20 mm G.I pipe insulation etc.. | 25.00 | Nos. | | |
| 15 | Providing & fixing of glass wool insulation on existing pipe duly laminated with chicken mess wire (LRB mattress) of 50 mm thick etc. Complete as reqd. | 10.00 | sqm. | | |
| 16 | Providing & Fixing aluminium cladding on existing pipe insulation with 26 SWG thick aluminium sheet (make-Hindalco) complete as reqd. | 10.00 | Sqm. | | |
| 17 | Supplying and fixing electrical back-up 3 Kw with pocket ISI marked including heating element, & with capillary tube thermostate along with S.S. Enclosure fixed on element socket suitable for protection from water etc as reqd. | 4.00 | Nos. | | |
| 18 | Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. (a) Internal Work- Exposed on wall | 30.00 | Mtrs. | | |
| 19 | Dismantling and refixing of pipe line by providing and fixing required fittings etc complete of following sizes pipe lines. | 20.00 | Mtrs. | | |
| 20 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : | | | | |
| a) | 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) | 0.40 | Cum. | | |

| S.N. | Description | Qty. | Unit | Rate (Rs.) Words & Fig. | Amount |
|------|---|-------|------|----------------------------|--------|
| 21 | 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 as required. | 50.00 | Kgs. | | |
| 22 | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :(Make_Aproved/ISI mark) | | | | |
| a) | 25 mm nominal bore | 1.00 | No. | | |

Total Rs.

Rs.


 अधिशाही अभियंता (वा०) E.E. (A.C.)
 संवि० वि०, मा० प्रौ० संस्थान, कानपुर
 I.W.D., LLT Kanpur