

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

No. 02 /AC/EE/2022/ 02

Dated 01-04-2022

QUOTATION NOTICE

M/s

Sealed quotations are invited from the empanelled contractor/Specialized agencies by the undersigned on behalf of the Director, IIT Kanpur for **"Repair / replacement defective solar hot water pipeline and storage SS tank with associated repair work in hot water solar system installed at R A Tower."** As per enclosed Bill of Quantity/ overleaf, so as to reach in this office on or before 08-04-2022 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.126999/-**. The required earnest money of **Rs. 2540/-** 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 / replacement defective solar hot water pipeline and storage SS tank with associated repair work in hot water solar system installed at R A Tower.

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
1	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.		
2	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.		
3	Locating and rectfying leakage 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.		
4	Repair of SS tank 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.	1.00	Job		
5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
a)	25 mm nominal bore	4.00	Nos.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
6	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.	5.00	Nos.		
7	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.	5.00	Nos.		
8	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.	25.00	Mtrs.		
b)	20 mm.	6.00	Mtrs.		
9	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.	25.00	Mtrs.		
b)	20 mm.	4.00	Mtrs.		
10	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.	4.00	Sqm.		
11	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).				
a)	25 mm.	23.00	Mtrs.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
b)	20 mm.	4.00	Mtrs.		
12	Replacement of defective aluminium cladding on existing tank insulation with 26 SWG thick aluminium sheet (make-Hindalco) complete as reqd.	4.00	Sqm.		
13	Supply & making of aluminium cladding bend (500 mm outer dia) suitable for 25/20 mm G.I pipe insulation etc..	15.00	Nos.		
14	Attending complaint of solar hot water pipe line & rectifying the same including leakage by using adhesive etc. complete as required.	30.00	Nos.		
15	Locating fault in solar hot water system & rectifying the leakage by using material (i.e.pipe / fittings with solution etc.) complete as required.	40.00	Nos.		
16	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.	2.00	Nos.		
17	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	10.00	Mtrs.		
18	Dismantling and refixing of pipe line by providing and fixing required fittings etc complete of following sizes pipe lines.	10.00	Mtrs.		
19	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.	10.00	Kgs.		

S.N.	Description	Qty.	Unit	Rate (Rs.) Words & Fig.	Amount
20	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	2.00	Nos.		
	Total Rs.				



अविशाधी अडियता (काठ) E.E. (A.C.)
अडियता, माडकै संस्थान, कानपुर
I.W.D., LLT Kanpur