

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 113/IWD/ED/562****SCHEDULE OF QUANTITY**

Name of work: Repairing and maintenance of solar water heating system of RA Tower and other associated works in order to make it operational.

Name of the Contractor					
S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Supplying, installation, connecting & commissioning of 1000 Ltrs. Water storage PVC tank tripple layer on existing frame with connecting long & fittings Make Polycon/Sintex or its equivalent approved make.	5.00	Nos.		
2	Supplying and fixing testing and commissioning of fallowing Size valve ISI marked size as mentioned below with insulation as per standard specification.				
a)	GM gate Valve 25 mm	55.00	Nos.		
b)	GM gate Valve 32 mm.	14.00	Nos.		
d)	GM NRV 32 mm	7.00	Nos.		
e)	Brass Float Valve 25 mm	3.00	Nos.		
3	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.. (Make_Jindal,Tata,QST or approved).				
a)	32 mm.	20.00	Mtrs.		
4	Providing & fixing 50 mm thick more than 48 Kg/cu Mtr glass wool insulation wrapped with wire mesh etc as required complete on 20/25/32 size hot water pipe line.	20.00	Sq.Mtrs.		
5	Providing & fixing 26 swg thick aluminium sheet cladding with screw make Hindalco or its equivalent approved make etc as required complete.	50.00	mtr.		
6	Dismantling, cleaning, descaling, overhauling of collectors & hot water pipe line of installed solar water heating system with proper chemical / liquid soap etc. and neutralizing the same complete as required.	70.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
7	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.	100.00	Kg.		
8	Painting two coat of solar hot water complete system including collector stand, hot water storage and makeup tank stands, pipe sports after cleaning the surface with sand paper / cloth etc as reqd..	70.00	Nos.		
9	Dismantling & refixing of pipe line by providing & fixing required fittings etc complete of following size pipe lines.	30.00	Mtrs.		
10	Supplying and fixing electrical back-up 3Kw ISI marked including heating element, thermoestate connecting wire up to 5.0 mtrs etc as required complete.	10.00	Nos.		
11	Supply and drawing PVC insulated 3 core round cable of 2.5 Sq. mm size for connection of equipments / exhaust fan & other work as reqd.	25.00	Mtrs.		
12	Dismantling and refixing solar Panel after repairing leakage in Solar panel pipe and removing air lock, cleaning choked line etc as required complete.	10.00	Nos.		
	<b>Total Rs.</b>				