

IIT Mandi(CW)/SE-1111/2020-21/1529-30

Dated: 16-07-2020

### NOTICE INVITING QUOTATION

Quotations for the work "**Construction of shed beside the thermo fluids research lab for installation of non-IBR boiler including electrical fittings at South Campus of IIT Mandi**", as per schedule attached is hereby invited by the undersigned from registered contractors up to **24-07-2020 by 03:00 PM** and shall be opened on the same day at **03:30 PM** in the O/o Superintending Engineer, IIT Mandi at Kamand campus in the presence of intending contractors or their authorized representatives.

#### Terms & Conditions:-

1. The work will be carried out as per CPWD General Specifications for both **Civil and Electrical works** amended up to date & as per the instructions of the Engineer-in-charge.
2. The work is of urgent nature and is to be completed within **15 days** after issue of work order.
3. All damages done during execution of the work is to be made good by the contractor and nothing extra will be paid separately for the same.
4. The Prices quoted should be inclusive of all taxes.
5. Contractor shall abide by labour rules and regulations.
6. All the applicable taxes shall be deducted from bill.
7. Compensation of delay of work will @ 0.05% per day on account of non-completion of work within stipulated period.
8. All material to be used on the work will have to be got approved from the Engineer-in-charge.
9. Certificate of enlistment with Central/State Govt. Organization/Central Autonomous body/Central Public Sector Undertaking should also be attached with NIQ.
10. GST Registration Certificate should also be attached with NIQ.

Sd/-  
Superintending Engineer

Copy to:-

1. Notice board.
2. Institute website

Sd/-  
Superintending Engineer

## Schedule of Quantities

**Name of work :** -Construction of shed beside the Thermo fluids research lab for installation of non-IBR boiler including electrical fittings at South campus of IIT Mandi.

Sr. No.	Description of items	Qty.	Unit	Rate (In Rs)		Amount (In Rs)
				(In Figures)	(In Word)	
1	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within all lead and lift . All kinds of soil, as per entire satisfaction and direction of Engineer -in-charge.	6.00	each			
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) as per entire satisfaction and direction of Engineer -in-charge.	1.05	cum			
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) , as per entire satisfaction and direction of Engineer -in-charge.	0.45	cum			
4	Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete 100 mm , as per entire satisfaction and direction of Engineer -in-charge.	5.00	each			
5	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm , as per entire satisfaction and direction of Engineer -in-charge.	1.00	each			
6	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm , as per entire satisfaction and direction of Engineer -in-charge.	4.00	each			
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 , as per entire satisfaction and direction of Engineer -in-charge.	256.95	kg			
8	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, Single socketed pipes. 75 mm diameter , as per entire satisfaction and direction of Engineer -in-charge	13.00	metre			
9	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler 75 mm , as per entire satisfaction and direction of Engineer -in-charge.	2.00	each			
10	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5°, 75 mm bend as per entire satisfaction and direction of Engineer -in-charge.	5.00	each			

Sr. No.	Description of items	Qty.	Unit	Rate (In Rs)		Amount (In Rs)
				(In Figures)	(In Word)	
11	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required , as per entire satisfaction and direction of Engineer -in-charge.	19.62	sqm			
12	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter .(600 mm over all girth) , as per entire satisfaction and direction of Engineer -in-charge.	2.10	metre			
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work, as per entire satisfaction and direction of Engineer -in-charge.	11.42	sqm			
	<b>Electrical items</b>					
14	Wiring for light point/ fan point/ exhaust fan point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required , as per entire satisfaction and direction of Engineer -in-charge.	2	Point			
15	Wiring for circuit/ submain wiring along with earth wire with the 2 x 2.5 Sq. mm. + 1 x 2.5 Sq. mm of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required , as per entire satisfaction and direction of Engineer -in-charge.	10	Meter			
16	Wiring for circuit/ submain wiring along with earth wire with the 2 x 4 Sq. mm. + 1 x 4 Sq. mm of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required , as per entire satisfaction and direction of Engineer -in-charge.	10	Meter			
17	Wiring for circuit/ submain wiring along with earth wire with the 2 x 6 Sq. mm. + 1 x 6 Sq. mm of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required , as per entire satisfaction and direction of Engineer -in-charge.	3	Meter			
18	Supplying and fixing 6 Module (200mmX75mm) size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
19	Supplying and fixing 5/6 A switch modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			

Sr. No.	Description of items	Qty.	Unit	Rate (In Rs)		Amount (In Rs)
				(In Figures)	(In Word)	
20	Supplying and fixing 15/16 A switch modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
21	Supplying and fixing 3 pin 5/6 A socket outlet modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
22	Supplying and fixing 6 pin 15/16 A socket outlet modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
23	Supplying and fixing 6 way , Double door, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
24	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of Single pole, in the existing MCB DB complete with connections, testing and commissioning etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	2	Each			
25	Supplying and fixing 63 A rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	1	Each			
26	Supplying, installation, testing and commissioning of pre-wired 20 W Led Tube Set (UP to 4000k) LED Light Fixture of all types, complete with all accessories and tube etc. Directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required , as per entire satisfaction and direction of Engineer -in-charge.	2	Each			
	<b>Total</b>					

- Note :-
1. Quoted rate should be inclusive of all applicable taxes including GST(nothing extra shall be payable).
  2. All Statutory deduction will be made as per prevailing rates.

Sd/-  
Superintending Engineer