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दिनांक 09-08-2024

**NOTICE INVITING QUOTATION**

Sealed item rate quotations as per schedule attached are hereby invited by the undersigned from registered contractors so as to reach in this office on or before **19/08/2024 up to 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.

**Name of work: Providing and Fixing of Power Points in Lab Space (A14.06.08) at A14 block in North Campus and Confocal Microscope space in A1 top floor & Gas Chromatography in AMRC top floor at South Campus of IIT Mandi.**

----- As Per Schedule Attached -----

**Terms & Conditions:-**

1. The work will be carried out as per CPWD General Specifications for **Electrical Works** amended up to date & as per the instructions of the Engineer-in-charge.
2. The work is to be completed within **30 days** from issue of work order.
3. Any damages done during execution of the work/repairs are to be made good by the agency and nothing extra will be paid separately for the same.
4. The Prices quoted should be inclusive of all taxes including GST and nothing extra is to be paid.
5. Agency shall abide by labor rules and regulations.
6. All the applicable taxes shall be deducted from the bill.
7. Compensation of delay of work will be @ 0.05% per day.
8. GST Registration Certificate should also be attached with NIQ.
9. Certificate of enlistment with Central/State Govt. Organization/Central Autonomous body/Central Public Sector Undertaking should also be attached with NIQ.
10. All material to be used on the work will have to be got approved from the Engineer-in-charge.
11. In case of non-completion of work after the issue of work order, dealers/firms will be debarred for bidding at IIT Mandi for the next one year.

Sd/-

अधीक्षण अभिपंता

Superintending Engineer

Copy to:-

1. Notice Board, IIT Mandi.
2. Institute Website, IIT Mandi.

Sd/-

अधीक्षण अभिपंता

Superintending Engineer

## Schedule of Quantity

**Name of work :Providing and Fixing of Power Points in Lab Space (A14.06.08) at A14 block in North Campus and Confocal Microscope space in A1 top floor & Gas Chromatography in AMRC top floor at South Campus of IIT Mandi.**

Sr. No.	Description of Item	Qty.	Unit	Rate(In Rs)		Amount (In Rs)
				(In Figure)	(In Word)	
1	Wiring for circuit/ submain wiring along with earth wire with the 2 x 4.0 Sq. mm. + 1 x 4.0 Sq. mm of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit / PVC casing Capping as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	130	Metre			
2	Wiring for circuit/ submain wiring along with earth wire with the 2 x 6.0 Sq. mm. + 1 x 6.0 Sq. mm of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit / PVC casing Capping as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	77	Metre			
3	Supplying and drawing 3x4 sq mm of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit/Casing/Wall Trunk as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	50.00	Meter			
4	Supplying and fixing 5/6 A switch modular switch 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 including carriage of material in all leads and lifts.	10.00	Each			
5	Supplying and fixing 15/16 A switch modular switch 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 including carriage of material in all leads and lifts.	5.00	Each			
6	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 including carriage of material in all leads and lifts.	10.00	Each			
7	Supplying and fixing 6 pin 15/16 A socket outlet modular 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 including carriage of material in all leads and lifts.	5.00	Each			
8	Supplying and fixing 3 Module Modular base & cover plate on existing modular metal boxes etc. as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	5.00	Each			

Sr. No.	Description of Item	Qty.	Unit	Rate(In Rs)		Amount (In Rs)
				(In Figure)	(In Word)	
9	Supplying and fixing 6 Module Modular base & cover plate on existing modular metal boxes etc. as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	5.00	Each			
10	Supplying and fixing suitable size GI /PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 3pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	17	Each			
11	Supplying and fixing suitable size GI /PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	3	Each			
12	Providing and fixing 100 A,30KA,FPMCCB rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2.00	Each			
13	Supplying and fixing 6 way, 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)	2	Each			
14	Supplying and fixing 8 way, 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)	1	Each			
15	Supplying and fixing 12 way, 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)	1	Each			
16	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Single poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	15	Each			
17	Supplying and fixing 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Double poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	4	Each			
18	Supplying and fixing 32 A rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2	Each			

Sr. No.	Description of Item	Qty.	Unit	Rate(In Rs)		Amount (In Rs)
				(In Figure)	(In Word)	
19	Supplying and fixing 40 A rating, four pole, 415 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 including carriage of material in all leads and lifts.	2.00	Each			
20	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	30.00	Meter			
21	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of upto 35 sq. mm in existing masonry open duct as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	45.00	Meter			
22	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp) on cable Tray as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	45.00	Meter			
23	Supplying and making end termination with brass compression gland and aluminium lugs for 3½ X 50 sq. mm (35 mm) size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4.00	Set			
24	Supplying and fixing 3 Module PVC box to be fixed on Recess or in Open Surface as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	5.00	Each			
25	Supplying and fixing of 25 mm size of medium class PVC Flexible Pipe along with accessories in surface as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	40.00	Meter			
26	Supplying of 3.5 Core x 50 Sq. mm of 1.1 KV Aluminium conductor XLPE Insulated,PVC inner-sheathed unmounted, Extruded PVC Type ST2 Outer Sheathed, 650 V/1100 V Grade as per IS 7098 (Part 1) 1988 with upto Date Amendments as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	45.00	Meter			
27	Supplying and fixing MCCB Enclosure suitable for 100 Amp 30 KA FP MCCB as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2.00	Each			
28	Supplying and making end termination with brass compression gland and Copper lugs for 4 X 6 sq. mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4.00	Set			

Sr. No.	Description of Item	Qty.	Unit	Rate(In Rs)		Amount (In Rs)
				(In Figure)	(In Word)	
29	Supplying of 4 Core x 6 Sq. mm of 1.1 KV Copper conductor XLPE Insulated,PVC inner-sheathed unrmoured, Extruded PVC Type ST2 Outer Sheathed, 650 V/1100 V Grade as per IS 7098 (Part 1) 1988 with upto Date Amendments as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	45.00	Meter			
30	Supplying and fixing 4 way MCB Enclosure suitable for 40 Amp FPMCB as required as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2.00	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