



F. No - IIIT-D/Bldg Proj/Tinkering-Lab/267/2018/Part-III

Dated : 24.11.2020

NOTICE INVITING QUOTATION

Sealed item rate quotations are invited for the following work on behalf of the Registrar IIIT Delhi from Eligible Contractors for **Internal Electrical Works in Tinkering Lab Extension of R & D Block** so as to reach the office of the undersigned upto 3PM on **01.12.2020** in two envelope to be opened on the same day at 3:45 PM, in the A-203, CE, 2nd floor of old Academic Block, IIIT-D Campus, Okhla Phase-III New Delhi-110020 in presence of the intending bidders who so wish to attend.

Earnest Money Deposit: **Rs. 5000/-** (Rupees Five Thousand only) is to be submitted with tender document as earnest money in favour of “**IIIT Delhi Collections**”. This will be enclosed in Envelope- I.

1. The works shall be carried out as per the relevant CPWD / BIS Standards and Terms and conditions, Specifications, BOQ and areas/locations as directed complete.
2. **Time Allowed:** 30 Days from issue of work order.
3. Schedule of quantity: As per enclosed BOQ.
4. Clause 12 of GCC CPWD is applicable for EI/SI.
5. Contractor must visit site before quoting and fully satisfy himself of the site conditions. No Compensation on account of any site difficulties will be entertained, at a later date, after award of the work.
6. Contractor must possess valid GST, PAN and TIN no.
7. No T&P shall be issued to the Contractor .The contractor shall be provided with electricity and water at one point ,he shall make his own arrangements for further distribution of electricity , water supply and all other labour ,tools, plant and equipment etc as required for the works complete. Any damage done to existing walls /ceiling /floors /electrical /fire alarm/ fighting/plumbing equipment /building during execution shall be on the part of the Contractor.
8. Eligibility Criteria: The agencies must have satisfactory executed Internal electrical works in Govt Deptts/PSU/Reputed Pvt sector /MNCs three works each of value 1 Lac or two works each of 1.5 Lac or one work of 2 Lac during last 5 years. The applications not supported with requisite experience certificates shall not be entertained. Eligibility Criteria documents will be enclosed in Envelope I.
9. The priced bill of quantities, all duly signed by the authorized signatory of the firms. This will be enclosed in Envelope- II.



10. Payment shall be made as per actual quantities of executed works against RA/Final bill.
11. Security Deposit / Retention money shall be Five percent (5%) of the value of executed works and will be deducted from each and every payment made to the contractor against running account bill submitted for the work done at site.
12. Defect Liability period 6 months from date of completion.
13. Conditional offers will not be accepted. The offer shall remain valid for 60days. The rates shall remain firm for a period of one year from date of award. The work order may be extended to cover additional areas at same rates as per institute requirements. No variation in rates shall be applicable.
14. Contractor should depute a qualified supervisor dedicated for this work, who will monitor and coordinate work from contractor's side and interact with the IIITD Engineers, responsible for supervision of work, on regular basis.
15. Rates to quoted are inclusive of all taxes, duties, cartage, loading unloading and shifting to location as called for
16. Contractor will take due permission for entry of all his workmen in IIITD. No unauthorized person will be allowed to work inside.
17. All standard protocols such as wearing masks, using sanitizer, maintaining safe distancing norms must be followed by the Contractor and his workers to prevent spread of coronavirus failing which expulsion/ penalty shall be levied on the agency.
18. The workers shall be scanned for temperature before entry as per norms and actions per policy taken
19. All are supposed to use identified utilities of the Institute only.
20. During execution of work, Engineer may make minor changes in the scope of work as per site conditions or other reasons. Contractor will have no extra claim in his rates for the same.
21. Makes of various items to be used by contractor will be according to the list of approved makes given. No other makes will be used by the contractor.
22. IIIT-D reserves the right to accept or reject any tender in part or whole without assigning any reasons thereof.

**Bill of Quantity**

Item No.	Description of Items	Unit	Qty.	Rate	Amount
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
i	1 x 1.5 sq. mm	50	mtr		
ii	2 x 1.5 sq. mm	50	mtr		
iii	3 x 1.5 sq. mm	50	mtr		
2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required				
i)	20 mm dia	100	M.		
ii)	25 mm dia	50	M.		
3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
i	1 or 2 Module (75 mmX75 mm)	6	Nos		
ii	6 Module (200mmX75mm)	1	Nos		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
i	5/6 A switch	5	Nos		
5	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	3	Nos		
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
(i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50	M.		
(iii)	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	400	M.		



7	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	225	M.		
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	15	No.		
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 Nos. 3 pin 5/6 A modular socket outlet and 2 Nos. 5/6 A modular switch, connections etc. as required. (For light plugs	20	No.		
10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps , modular socket outlet and 15/16 amps modular switch, connection etc. as required.	5	No.		
11	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	3	No.		
12	Installation, testing and commissioning of ceiling fan, including wiring for additional length per Meter of downrod for ceiling fan.	7.5	M		
13	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent / LED fitting of all types, complete with all accessories and tube etc. in recess including connection with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	8	Nos		
14	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
i)	1 run of cable	200	M		



ii	2 run of cable	100	M		
iii	3 run of cable	100	M		
15	Supply, Installation, Testing & Commissioning of IP IR Dome Camera 1080P High Definition H.264 IR Network Fixed Dome, 3.6mm fixed Lens, Built in Power over Ethernet (PoE); 15m IR distance with all accessories like tamper proof screws, clamps, wiring etc. complete as required. (Make- Honeywell)	1	Nos		
16	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
(i)	4 X 6 sq. mm + 2 X 6 sq.mm earth wire	20	M		
(ii)	4 X 10 sq. mm + 2 X 6 sq.mm earth wire	30	M		
17	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
(i)	4 way (4 + 12), Double door	2	No.		
18	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(i)	40 Amps	2	No.		
(i)	63Amps	1	No.		
19	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB) , having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(i)	40 Amps	6	No.		
(ii)	63 Amps	6	No.		



20	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, “C” curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(i)	Single pole	35	No.		
(ii)	Triple pole	1	No.		
21	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	20	No.		
22	<u>WIRING FOR TELEPHONE SYSTEM, DATA NETWORKING & IP CCTV SYSTEM</u>				
1	Preliminary, Testing & Ferruling of UTP Cables, Fixing of Face Plates & I/Os, Cat 6 Cable Termination At I/O, Fixing of Jack Panels, Cat 6 Cable Termination At Jack Panels, Labelling At Rack end & Work Area, Dressing of Cat-6 wire in Data rack etc as required (Including CAT-6 I/O in both end)	10	Node		
A	Total Amount				
	GST @ _____				
	Total Amount with GST				



LIST OF APPROVED MAKES FOR INTERNAL ELECTRICAL WORKS

Distribution Boards with Miniature Circuit Breakers, RCCB & Isolator.	–	Schneider Electric
	–	Legrand
	–	L & T
PVC Insulated copper conductor single core stranded wires of 650/1100 volt grade (FRLS Type)	–	Polycab
	–	Havells
	–	KEI
Modular Type Light & Power Accessories (Switches, Socket, point etc.)	–	North-west (Styles+)/ (Convex)
GI /PVC Switch Boxes	-	North- West
	-	Anchor
PVC Conduit (ISI Marked).	–	BEC
	-	AKG
	-	Precision
Ceiling /Exhaust Fan	–	Orient
	–	Usha
	–	Havells
Light Fixtures	–	Philips
Cat-6 Cable/ Patch Panel/I/O,	–	Panduit
	–	Legrand
	–	Systemax
	-	Amp (T.E. Connectivity)