



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

**Dated : 07.12.2018**

### 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 R & D Block** so as to reach the office of the undersigned upto 3PM on **14.12.2018** in two envelope to be opened on the same day at 3:30 PM, in the A-201, CE, 2<sup>nd</sup> 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.

Estimated cost of work put to tender : **Rs. 3.1 Lac**

Time of completion : 20 Days

Earnest Money Deposit: **Rs. 6,200/-** (Rupees Six Thousand Two Hundred 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:** 20 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 40% of estimated cost or two works each of 60% of estimated cost or one work of 80% of estimated cost 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. 50% of retention money will be released along with the payments of final bill and balance 50% will remain with Employer until the Defects Liability period is successfully over.
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. IIIT-D reserves the right to accept or reject any tender in part or whole without assigning any reasons thereof.
15. 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.
16. Contractor will take due permission for entry of all his workmen in IIITD. No unauthorised person will be allowed to work inside.
17. 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.
18. 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.
19. The existing Distribution boards shall be used/ augmented as per load requirements to cater for additional electrical load/Circuits.

CE  
IIIT- D

**Bill of Quantity**

<b>Item No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Amount</b>
<b>1.0</b>	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.				
<b>i</b>	Single Pole	No.	30		
<b>2.0</b>	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	No.	7		
<b>3.0</b>	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI/PVC box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.				
<b>i</b>	Group-C	Pt.	8		
<b>4.0</b>	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.				
<b>i</b>	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	M.	30		
<b>ii</b>	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	M.	100		
<b>5.0</b>	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.	M.	650		
<b>6.0</b>	Supplying and fixing suitable size GI/PVC 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. (For light plugs to be used in nonresidential buildings).	No.	10		



<b>7.0</b>	Supplying and fixing suitable size GI/PVC 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 to be used in non-residential buildings).	No.	5		
<b>8.0</b>	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 & 15/16 amps, modular socket outlet and 15/16 amps modular switch, connection etc. as required.	No.	60		
<b>9.0</b>	SITC of <u>1x250W metal halide industrial high fixture (IP-65)</u> with prismatic reflector, integrated control gear complete with ballast and all accessories as required for installation of <b>Philips Cata Ref. HPK 225</b> .	No.	6		
<b>10.0</b>	Supply of following sizes of <u>ceiling fan without regulator</u> complete with double ball bearing, motor, blades, downrod, canopy, capacitor etc. complete as required.				
i	1200 mm Sweep.	No.	1		
ii	900 mm Sweep.	No.	1		
<b>11.0</b>	Supplying and Installation fixing of stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	No.	2		
<b>12.0</b>	Installation, testing and commissioning of ceiling fan (1200mm), including providing and wiring the down rods of length (upto 1-2 m) with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box, etc. as required.	No.	2		
<b>13.0</b>	Supply & Fixing Fan Hook to be anchored to ceiling using fastener etc. as, required. The fan hook sample to be approved before execution.	No.	2		
<b>14.0</b>	Installation of data rack 9U/15U with Complete set etc. (Data Rack will be provided by Client)	No.	1		
<b>15.0</b>	Supply & Fixing of PVC BOX For Data Point (3" x 3") and fixing of data face plate on box.	No.	15		



<b>16.0</b>	SITC of 24-port unloaded Modular Straight Jack Panel for SL series with labels and clear label covers, Height, 1U				
i	24 Port CAT 6 Jack Panel.	No.	1		
<b>17.0</b>	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	Node	24		
<b>18.0</b>	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed PVC conduit as required.				
i	1 run of cable	M.	50		
ii	2 run of cable	M.	100		
iii	3 run of cable	M.	150		
<b>19.0</b>	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	M.	50		
ii	25 mm dia	M.	50		
<b>20.0</b>	Supply and installing following size of perforated M.S. cable trays with perforation not more than 17.5% in convenient sections, joints with connectors suspended from the ceiling with M.S. suspenders and including bolts & nuts, painting suspenders etc. as required.				
i	100 mm width X 50 mm depth X 1.6 mm thickness	M.	50		
<b>21.0</b>	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
i	11-18 amp single phase motor starter for AC	No	2		
ii	25 amp 6 pin socket (for AC)	No	2		
<b>22.0</b>	Supplying and fixing following size modules, GI/PVC box alongwith modular base & cover plate for modular switches in recess etc. as required.				
i	1 or 2 Module (75mm X 75mm)	4	4		
	<b>Total Amount</b>				
	<b>GST @ _____</b>				
	<b>Total Amount with GST</b>				



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**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
Cable Tray (MS)	– Indeana Engineering
	– MEM
	– Slotco
Ceiling /Exhaust Fan	– Orient
	– Usha
	– Havells
Light Fixtures	– Philips
Cat-6 Cable,	– Panduit
	– Legrand
	– Systemax
	- Amp (T.E. Connectivity)
Patch Panel	– Legrand
	– Panduit
	– Systemax ,
	– Amp (T.E. Connectivity)