

Punjab Engineering College, Sector-12, Chandigarh

(Deemed to be University)

No. PEC/EO/2022-23/14165-71

Dated:

15 JUL 2022

Notice Inviting Quotations

Sealed Quotation are hereby invited on behalf of Director, Punjab Engineering College, Sector-12, Chandigarh on percentage rate basis for the following work and will be opened in the office of the undersigned on dated 20.07.2022 at 3:30 p.m. The quotations will be received on or before 20.07.2022 upto 3:00 p.m. The bidder must be enlisted with Chandigarh Administration in the relevant category.

NAME OF WORK: - Replacement of old Aluminum Wiring with Copper Wiring in Toilet Blocks of Ground Floor, First Floor and 2nd Floor in ECE Department at Punjab Engineering College, Sector-12, Chandigarh.

SCHEDULE OF WORK

SLNo	DSR No.	Description	Qty	Unit	Rate	Amount
1	1.15	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
2	1.15.1	Group A	24	Point	416.00	9984.00
3	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
4	1.17.3	3 x 1.5 sq. mm	225	Metre	54.00	12150.00
5	1.17.12	3 x 2.5 sq. mm	425	Metre	75.00	31875.00
6	1.21	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.				
7	1.21.2	25 mm	60	Metre	90.00	5400.00
8	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
9	1.24.1	5/6 A switch	30	Each	85.00	2550.00
10	1.24.3	15/16 A switch	6	Each	132.00	792.00
11	1.24.4	3 pin 5/6 A socket outlet	6	Each	111.00	666.00
12	1.24.5	6 pin 15/16 A socket outlet	6	Each	175.00	1050.00
13	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
14	1.27.2	3 Module (100mmX75mm)	6	Each	267.00	1602.00
15	1.27.5	8 Module (125mmX125mm)	6	Each	383.00	2298.00
16	1.32	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 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	3	Each	495.00	1485.00
17	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	6	Each	65.00	390.00

18	NS	Supply and erection of 20 watt 4' long LED box type fittings made of CRCA with decorative end caps including LED tube rod 18/20 watt polycarbonate of make Crompton CAT no. DMLNLT8-16+LT8-20-865-2 or equivalent models of make Philips/Wipro/ Bajaj/Havells make only . The job includes carriage, erection, making connections with 3x1.5 sq.mm copper wire from adjacent light point, testing and commissioning of the fittings etc. as required to complete the same to the entire satisfaction of engineer in charge.	6	Each	670.00	4020.00
19		Specifications of LED fittings				
20	A	Wattage of LED fittings - as per following parameter				
21	B	Total lumens of the LED fittings- Minimum 2000 lumens				
22	C	Diffuser- extruded aluminum heat sink with polycarbonate diffuser				
23	D	Operation voltage - 140 V to 270 V, AC supply or better				
24	E	Input frequency-50 Hz +-1 Hz				
25	F	Power factor- minimum 0.95				
26	G	Luminaire efficacy- Minimum 100 lm/w				
27	H	Color rendering index- CRI shall be greater than 80				
28	I	working /operating temperature - 0° To + 45° c or better				
29	J	color temperature- 6000° k to 65000° K				
30	K	Electronic Driver				
31	i	Drive current (LED)- as per OEM				
32	ii	Operating Voltage-140 V to 270 V AC supply or better				
33	iii	Type of driver- constant current output driver				
34	iv	THD- less than 10%				
35	v	Surge protection-5 KV minimum				
36	vi	Efficiency driver- >85%				
37	vii	Protection- shall have under voltage and over voltage protection				
38	L	Guarantee of LED fittings including LED driver- 1years against manufacturing defect.				
39	M	Fixture- should comply with LM 79 test from NABL/UL lab.				
40	N	LED Type/Make/Model- Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 30,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer				
41	O	Life of LED- 30000 burning hours at 70% lumen maintenance				
42	NS	Supply and erection of exhaust fan (heavy duty motor with copper wound metallic body) following size complete with motor, metallic blades, double ball bearing with minimum power consumption, rigid frame with rubber mounting for silent operation, epoxy powder coating along with metallic louver to be installed in the existing opening including cost of carriage charges, making connection, testing, commissioning of fan, all labour and petty material required to complete the job to the entire satisfaction of the Engineer in charge.				
43	i	Size 15" sweep 900 RPM with louver of Havells make turbo force SP/Orient make industrial heavy duty/crompton make HDEF EXHD 380-6-1/Bajaj make Supreme DLX only	2	Each	4170	8340
44	NS	Supply and installation of rimless surface mounted square LED panel 15 watt CDL-6500K, 100watt/lumens molded in engineering plastic-FRVO grade diffuser with high Opti cally efficient material. Make Bajaj Cat no-BPSLR- surface 15 watt LED WH SQSD or equivalent make and models of Philips/Crompton/Wipro	12	Each	1005	12060
					Total	94662
					Say Rs.	94662

Rate to be quoted by the contractor _____ %less/Above

Recoveries

NS The following dismantled material will be the property of the contractor. The recovery of the dismantled material shall be made from the minimum rated mentioned against each. The job also includes the cost of dismantling the same.

Sr no	Description	Units	Rate
1.	Aluminum wiring light point, fan point, call bell point, exhaust fan point with MS boxes Bakelite sheets, switches etc	Each	25
2.	Aluminum wiring light plug with MS boxes Bakelite sheets, switches and sockets 5amp etc	each	30
3.	Aluminum wiring power plug with MS boxes Bakelite sheets, switches and sockets 15amp etc	Each	40
4.	2x40 watt mirror optic fitting	Each	150
5.	Exhaust fan 15"	Each	350

Conditions:

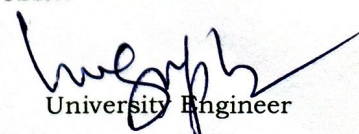
1. The work shall be carried out according to CPWD General Specifications.
2. No claim on account of fluctuation in prices due to any reason shall be considered.
3. The quantity can be increased or decreased as per actual requirement at site.
4. No premium will be allowed on M.R. Items, abatement, if any shall be applicable on all items including market rates.
5. Any error or omission in nomenclature or unit can be corrected at any stage.
6. The quality of material shall be strictly in accordance with the specification given in DNIT.
7. All the material shall be inspected by the Engineer-in-charge before installation at site.
8. The department has reserve the right to issue any amendment to the work order as emergency demands or allow of altogether cancel the contract without assigning any reason. The Deptt. Reserves the right to delete any item.
9. Discount offered by the firm should also be considered in additional/ extra DSR/ MR Items, if the rate quoted are lesser than the DNIT amount.
10. The firm shall quote the rates inclusive all the taxes/ GST whatever required and no extra payment shall be made in this respect.
- 11.

List of approved makes are as under		
A	Piano type accessories	Anchor/Anchor Penta/ Havells Reo/ Gold Medal Essenza
B	Modular type accessories/sheets/boxes	Legrand (Arteor)/Schneider (Zencelo)/Crabtree (Murano)/ L&T (Englaze/ MK(Elements)/ABB (Cheiron)/ Gold Medal(GIFA)
C	PVC batten/Conduit pipe (ISI marked)	Polycab/Diplast/AKG/Polyplast
D	PVC copper wires FRLS (ISI Marked)	Polycab/L&T/Havells/ Finolex/R.R. Kables
E	MCB's/RCCB's/ELCB's	L&T (Exora)/ Legrand (DX3)/ Hager (H3)/ /Schneider (Acti-9)/ ABB (SH200M)/ Siemens (Betagard)/Havells
F	BDB's/ A.C. Plug. Socket	L&T/Legrand/Hager// Schneider/Siemens/ABB/Havells
G	GI Pipe ISI Marked	Jindal Hissar/ Tata


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2. Webmaster, with a request to upload on the Institute website
3. Notice Board


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