

Punjab Engineering College, Sector-12, Chandigarh
(Deemed to be University)

No. PEC/EO/2022-23/ 7592

Dated: 19 APR 2022

Notice Inviting Quotations

Sealed Quotation are hereby invited on behalf of Director, Punjab Engineering College, Secor-12, Chandigarh on percentage rate basis for the following work and will be opened in the office of the undersigned on dated 22.04.2022 at 3:30 p.m. The quotations will be received on or before 22.04.2022 upto 3:00 p.m.

NAME OF WORK: - REWIRING FROM ALUMINUM TO PVC COPPER WIRE IN HOUSE NO 612-A, 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	1.15.2	Group B	36	Point	447.00	16092.00
3	1.16	Rewiring for twin control light 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.	1	Point	640.00	640.00
4	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.				
5	1.17.3	3 x 1.5 sq. mm	120	Metre	54.00	6480.00
6	1.17.12	3 x 2.5 sq. mm	120	Metre	75.00	9000.00
7	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.				
8	1.21.1	20 mm	20	Metre	84.00	1680.00
9	1.21.2	25 mm	40	Metre	90.00	3600.00
10	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.				0.00
11	1.24.1	5/6 A switch	42	Each	85.00	3570.00
12	1.24.2	2 way 5/6 A switch	2	Each	123.00	246.00
13	1.24.4	3 pin 5/6 A socket outlet	20	Each	111.00	2220.00
14	1.24.8	Bell push	1	Each	126.00	126.00
15	1.24.6	Telephone socket outlet	1	Each	119.00	119.00
16	1.24.7	TV antenna socket outlet	1	Each	119.00	119.00
17	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	5	Each	342.00	1710.00

18	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	5	Each	32.00	160.00
19	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
20	1.27.1	1 or 2 Module (75mmX75mm)	4	Each	243.00	972.00
21	1.27.3	4 Module (125mmX75mm)	1	Each	287.00	287.00
22	1.27.4	6 Module (200mmX75mm)	2	Each	333.00	666.00
23	1.27.5	8 Module (125mmX125mm)	4	Each	383.00	1532.00
24	1.27.6	12 Module (200mmX150mm)	2	Each	434.00	868.00
25	1.31	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 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	6	Each	401.00	2406.00
26	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.	9	Each	495.00	4455.00
27	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	3	Each	65.00	195.00
28	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Each	92.00	92.00
29	1.57	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	3	Each	639.00	1917.00
30	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)				
31	2.4.2	6 way (4 + 18), Double door	1	Each	3693.00	3693.00
32	2.1	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.				0.00
33	2.10.1	Single pole	18	Each	199.00	3582.00
34	5.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	1	Set	4033.00	4033.00
35	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	6	Meter	188.00	1128.00

36	NS	Supply and erection of 1*18/20 watt 4' long LED box type fittings made of CRCA sheet with the help of rawl plug and screws etc. The tube rod should be of Philips/ Wipro/ Bajaj/Havells make of polycarbonate material only. The batten for hosing the tube rod should be of 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.	5	Each	700.00	3500.00
37		Specifications of LED fittings				
38	A	Wattage of LED fittings - as per following parameter				
39	B	Total lumens of the LED fittings- Minimum 1800 lumen				
40	C	Diffuser- extruded aluminium heat sink with polycarbonate diffuser				
41	D	Operating voltage - 140 V to 270 V, AC supply or better				
42	E	Input frequency-50 Hz +-1 Hz				
43	F	Power factor- minimum 0.95				
44	G	Luminaire efficacy- Minimum 100 lm/w				
45	H	Color rendering index- CRI shall be greater than 80				
46	I	working /operating temperature - 0° To + 45° c or better				
47	J	color temperature- 6000° k to 65000° K				
48	K	Electronic Driver				
49	i	Drive current (LED)- as per OEM				
50	ii	Operating Voltage-140 V to 270 V AC supply or better				
51	iii	Type of driver- constant current output driver				
52	iv	THD- less than 10%				
53	v	Surge protection-5 KV minimum				
54	vi	Efficiency driver- >85%				
55	vii	Protection- shall have under voltage and over voltage protection				
56	L	Guarantee of LED fittings including LED driver- 1 year against manufacturing defect.				
57	M	Fixture- should comply with LM 79 test from NABL/UL lab.				
58	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				
59	O	Life of LED- 30000 burning hours at 70% lumen maintenance				
60	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 wire 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.				
61	i	Size 12" sweep 900 RPM with louver of Havells make turbo force SP/Orient make industrial heavy duty/crompton make HDEF EXHD 300-6-1/Bajaj make Supreme DLX only (for kitchen)	1	Each	3550.00	3550.00

62	NS	Supply installation testing and commission of 10" exhaust fan 1350 rpm in plastic body, make Orient, Usha, GEC, Crompton (for toilet/WC)	2	Each	1530.00	3060.00
63	NS	Making hole for installation of exhaust fan/fresh air fan of size upto 450mm sweep by demolishing brick work manually/by mechanically means including disposal of mabla within 50 mtr. lead and making good the wall by plastering etc as required.	1	Each	800.00	800.00
64	NS	Supply and drawing of the following sizes of FRLS PVC insulated copper conductor, single core cable in existing surface/recessed steel/PVC conduit as required. The cable should be of polycab/L&T/Havells/Finolex/R.R. Kables/Grandlay make only				
65	i	10 sq. mm	6	Metre	90.00	540.00
66	NS	Supply and erection of BL holder of make Anchor Panta/Havells Reo/Gold Medal Essenza ISI marked on existing Jn. Box/Wooden block including making connection etc as required	17	Each	30.00	510.00
67	NS	Supply and erection of 4 pole 63 amp MCB TPN 10 KA, C series including original sheet metal enclosure to be fixed on existing surface. Make L&T, Havells, Schneider, Legrand	1	Each	2200.00	2200.00
68	NS	Supply and erection of ceiling fans with copper winding but without regulator complete with aluminum blades, plastic canopies 2 nos, double ball bearing, MS hanging rods, condenser, reels, clamps etc. The body of fan and blades should be white in colour. The job includes the cost of making necessary connections from the adjacent light point with 1.5sqmm single core copper conductor cable. The sample of fans shall be got approved from the engineer in charge of work before installation at site. the job also includes the cost of carriage, erection, testing, commissioning of fan, all labour and petty material required to complete the job to the entire satisfaction of engineer in charge.				
69		Size 48" 1200mm sweep ceiling fan of havells make velocity/white/orient make new breeze/crompton make high speed/ usha make strikers/bajaj make speedster only	4	Each	2040	8160.00
70	NS	Supply and erection of AC ceiling fans with copper winding but without regulator complete with MS blades, plastic canopies 2 nos double ball bearing, MS hanging rods (As per site requirement), condenser, reels, clamps etc. The body of fan and blades should be white in colour. The job includes the cost of making necessary connections from the adjacent light point with 1.5mm ² single core copper conductor cable and 3mm thick white BL sheet cover for fan box of suitable size. The sample of fans shall be got approved from the SDE in charge of work before installation at site. The job also includes the cost of carriage, erection, testing, commissioning of fan, all labour and petty material required to complete the hob to the entire satisfaction of the Engineer in charge. Make GEC, ORIENT,CROMPTON, HAVELLS,USHA				
71	i	Size 56" (1400mm)	1	Each	2450	2450.00

72	NS	Supply, installation, testing and commissioning of bulk head LED 10 watt IP65/66 fitting to be fixed on wall. Make and model of fitting as under Philips:- WT202WLED 10S CW PSU S 3PC 6500K IP66 Wipro:- LW 07-141-XXX-57-XX 5700K IP65 Bajaj: BIBWP 10W LED	0	Each	1288.00	0.00
73	NS	Supply and erection of 63 amp 4 pole MCB TPN to be fixed on existing BDB . Make of MCB should be L&T, Schneider, Havells, Legrand	1	Each	1765.00	1765.00
		Total				98123.00

Note

The recovery of the material shall be made from the minimum rates mentioned against each. The job includes the cost of dismantling the same.

1	Light point fan point Electric fan point/call bell etc with boxes	36	Each	20	720.00
2	Light plug 5 amp	12	Each	20	240.00
3	Power plug 15 amp point	7	Each	50	350.00
4	MCB single pole	12	Each	5	60.00
5	ELCB 63 amp 4 pole	1	Each	20	20.00
6	Ceiling fan	3	Each	350	1050.00
7	MCB TPN BDB 4 way	1	Each	150	150.00
8	Batton holder	17	Each	5	85.00
9	Exhaust fan 10" (light duty)	0	Each	100.00	0.00

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

Endst. No. 7592-94

Copy of the above is forwarded to the following:

1. Chairman Estate & Works
2. Webmaster, with a request to upload on the Institute website
3. Notice Board

Estate Officer

Dated: 19 APR 2022

Estate Officer