

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

No. PEC/EO/2022-23/1638

Dated: 12.12.2022

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 20.12.2022 at 3:30 p.m. The quotations will be received on or before 20.12.2022 upto 3:00 p.m. The bidder must be enlisted with Chandigarh Administration in the relevant category.

Name of work: - Providing Ceiling Fans, LED Tube fittings and replacement of Piano Type Switches in House no 243 at Punjab Engineering College, Sector-12, Chandigarh.

SCHEDULE OF WORK

| SLNo | Description | Qty | Unit | 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. | | | | |
| 2 | 3 x 1.5 sq. mm | 60 | Metre | 95.00 | 5700.00 |
| 3 | 3 x 2.5 sq. mm | 30 | Metre | 137.00 | 4110.00 |
| 4 | 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. | | | | |
| 5 | 20 mm | 20 | Metre | 128.00 | 2560.00 |
| 6 | 25 mm | 25 | Metre | 145.00 | 3625.00 |
| 7 | Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. | | | | |
| 8 | 5/6 A switch | 26 | Each | 103.00 | 2678.00 |
| 9 | 2 way 5/6 A switch | 2 | Each | 148.00 | 296.00 |
| 10 | 15/16 A switch | 3 | Each | 156.00 | 468.00 |
| 11 | 3 pin 5/6 A socket outlet | 14 | Each | 122.00 | 1708.00 |
| 12 | 6 pin 15/16 A socket outlet | 3 | Each | 197.00 | 591.00 |
| 13 | Bell push | 1 | Each | 140.00 | 140.00 |
| 14 | Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required. | 6 | Each | 40.00 | 240.00 |
| 15 | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. | | | | |
| 16 | 1 or 2 Module (75mmX75mm) | 3 | Each | 298.00 | 894.00 |
| 17 | 3 Module (100mmX75mm) | 3 | Each | 327.00 | 981.00 |
| 18 | 4 Module (125mmX75mm) | 3 | Each | 343.00 | 1029.00 |
| 19 | 6 Module (200mmX75mm) | 7 | Each | 402.00 | 2814.00 |
| 20 | 8 Module (125mmX125mm) | 1 | Each | 454.00 | 454.00 |
| 21 | 12 Module (200mmX150mm) | 2 | Each | 547.00 | 1094.00 |

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|--------------|--|----|------|---------|-----------------|
| 22 | 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. | 3 | Each | 477.00 | 1431.00 |
| 23 | 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 | 586.00 | 1758.00 |
| 24 | Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required. | 10 | Each | 87.00 | 870.00 |
| 25 | Supplying and fixing PVC batten/ angle holder including connections etc. as required. | 6 | Each | 110.00 | 660.00 |
| 26 | 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:- WT202W LED65 CW PSU S2 PC Bajaj: IVORA LED Bulk head 10W CDL Crompton: LBHP-10-CDL | 2 | Each | 853.00 | 1706.00 |
| 27 | Supply and erection of 1x20 watt 4' long LED box / Patti type fittings with decorative end caps of make Crompton CAT no. DMLNLT8-16+LT8-20-865-2 or equivalent models of make Philips/Surya make only .The LED tube rod 20 watt polycarbonate with inbuilt driver, extruded aluminum heat sink, 50000 burning hours at 70% lumens maintenance of makes Philips/Havells/Wipro/Crompton/Bajaj. 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 | 803.00 | 4015.00 |
| 28 | Supply, installation , testing and commissioning of 1200mm sweep BEE 5 star rated, ceiling fan with brush less direct current (BLDC) motor, clas of insulation :B, 3 nos. blades, 30cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, power factor not less than 0.9, service value (CMM/W) minimum 6.85, air delivery minimum 215 CMM, 350 RPM (tolerence as per IS: 374-2019), THD less than 10% electronic regulator unit fo speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.) inulation resistance more than 2 mega ohm, suitable for 23 V, 50Hz, single phase AC supply, earthing etc complete as required | 4 | Each | 2730.00 | 10920.00 |
| 29 | Supply installation testing and commission of 10" fresh air fan 1325- 1350 RPM in plastic body. Make Orient/Usha/Bajaj/Crompton (For toilet/WC).The job includes Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. | 1 | Each | 1792.00 | 1792.00 |
| 30 | Making hole for installation of exhausht fan/fresh air fan of size upto 10" 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 |
| Total | | | | | 53334.00 |

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

Conditions:

- 1 All items provided in the schedule are subject to notes provided in DSR 2021.
- 2 No Claim will be entertained from the contractor in case of mistake in description, rates units taken by the department in the schedule of quantity & price bid during preparation on account of typing, that of comparison or over sighting, if there will be any mistake that will be rectified at any stage as per DSR 2021 by the Engineer-in-charge.
- 3 If non-schedule item is to be carried out by the contractor with the order of the EIC rate will be approved by the competent authority.
- 4 The quantity given against each item in the schedule can be increased or decreased by the Engineer-in-charge at any time, no objection of any claim from the contractor will be entrained on this account.
- 5 Although various makes have been mentioned against each items for inviting the healthy competition. But material selection i.e. makes of the material to be installed will be decided by the department and agency has to bring the same at site. Therefore, agencies are requested to quote the rate accordingly and further it is made clear that no financial deviation/ benefit will be entertained by the department on the basis of the material brought at site as per direction of department later on.
- 6 The contractor will be responsible for the damage caused to the cable of P & T or any other agency cables during the execution of work. He should inviolably informed to authority incharged of cables in writing prior to taking excavation works failing which the debit raised by the P & T/ other agency /Department for such damage caused by the contractor will be recoverable from him.
- 7 That the contractor shall comply with the provision of the contract Labor (Regulation & Abolition) Act, 1970 and the rules made there under as extended by the contract Labor (Regulation & Abolition) Rules. 1974.
- 8 The conditional tender or tender without Earnest Money shall be rejected at any stage.
- 9 If any, schedule item other than approved DNIT is executed at site, the rate will be paid as per approval of competent authority.
- 10 Caution Tapes:-The agency will provide caution Tapes around the work/ excavated trenches / pits, manholes etc. with his own cost otherwise 1% (one present) Penalty of total work will be deducted & work of providing Caution tapes will be executed by the department.
- 11 The work will execute as per CPWD specification & relevant code.
- 12 The income Tax shall be deducted as per income tax department, or any other statutory taxes will also be deducted from the contractor's bill.
- 13 The Rate shall be inclusive of all taxes & duties and other statutory taxes which will be deducted from contractor's bills.
- 14 The water charges @ 1.5% will be deducted as per M.C. Water bye-laws – 2011
- 15 For labor rate items to be issued free of cost in case of any damage or loss the recovery shall be made at stock issue rate or market rate whichever is higher.
- 16 Any material of the approved make if not available / manufacture then equivalent specification material of any other make may be allowed subject to approval of EIC.
- 17 The work shall have to be completed side by side with building work.
- 18 The contractor has to employ qualified Engineer for the supervision of work at site.
- 19 The boards & M.S. boxes should be painted with 2 coats of superior quality paint after one coat of primer.
- 20 Separate colour of wires shall be used for phase and neutral so as the distinguish it for live conductor.
- 21 All the cables connections should be done through lugs/thimbles duly crimped with proper crimping tools & no extra payment shall be made on this account.
- 22 The firm shall ensure, the availability a licensed electrician/ supervisor/ qualified Engineer during the erection, testing and commissioning.
- 23 The contractor shall be responsible for having got ensured all risk comprehensive Insurance for men valid up to the completion of the work, right from the initial stage and handing over to the department.
- 24 The firm shall quote the rates inclusive all the taxes/ GST whatever required and no extra payment shall be made in this respect.
- 25 The work of S/E material except LED fittings shall be guaranteed for a period of one year and lamp for six months for any manufacturing defect from dated of commissioning including labour charges, inspection at site. No extra payment shall be made on this account.
- 26 The LED fittings including their drivers/ rods shall be guaranteed for a period of one years for free replacement from the date of completion of work/ taking over the department.
- 27 The approved makes are as under

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|------------------------|---|
| Piano type accessories | Anchor Penta/ Havells Reo/ Gold Medal Essenza |
|------------------------|---|

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|--|--|
| Modular type accessories/sheets/boxes | Legrand (Arteor)/Schneider (Zencelo)/Crabtree (Murano)/ L&T (Englaze/ MK(Elements)/ABB (Cheiron)/ Gold Medal(GIFA) |
| PVC batten/Conduit pipe (ISI marked) | Polycab/Diplast/AKG/Polyplast |
| PVC copper wires FRLS (ISI Marked) | Polycab/L&T/Havells/ Finolex/R.R. Kables |
| MCB's/RCCB's/ELCB's/MCCB's/ Distribution boxes | L&T (Exora)/ Legrand (DX3)/ Hager (H3)/ /Schneider (Acti-9)/ ABB (SH200M)/ Siemens (Betagard)/Havells (Distribution boxes, MCB's/ RCCB's/ ELCB/MCCB shall be installed of same make) |
| BDB's/ A.C. Plug. Socket | L&T/Legrand/Hager//Schneider/ Siemens/ABB |
| GI Pipe ISI Marked | Jindal Hissar/ Tata |
| DWC-HDPE pipe ISI Marked | Astral, Tirupati-Gemini, Duraline |
| Modular GI Boxes | ABB, National, Indo-Asian |

Recovery

| | | | | | |
|--|---|--|------|-------|--|
| The dismantled material will be the property of the contractor. The recovery of the dismantled material if required shall be made from the minimum rated mentioned against each. The job also includes the cost of dismantling the same. | | | | | |
| 1 | MS box 4"x4" with Bakelite sheet and piano type switch 6 amp/ bell push | | Each | 15.00 | |
| 2 | MS Box 8"x10" with Bakelite sheet and piano type switch 6 amp | | Each | 50.00 | |
| 3 | MS box 9"x4" with Bakelite sheet and piano type 15 amp switch and 15 amp socket | | Each | 30.00 | |
| 4 | MS Box 7"x4" With Bakelite sheet and piano type 5 amp switch and 5 amp socket | | Each | 25 | |
| 5 | Regulator | | Each | 5.00 | |

University Engineer

Copy to:

1. Maintenance Engineer, Electrical