

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

No. PEC/2023/ 1187

Dated: 21-12-2023

Notice Inviting Quotations

Sealed Quotations are hereby invited by the undersigned on behalf of the 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 26.12.2023 at 3:30 P.M. The quotations will be received up to 3:00 P.M on 26.12.2023. The bidder must be enlisted with Chandigarh Administration in the relevant category (Electrical Work)

Name of Work: Providing copper plate earthing in Research Chemistry Lab in Applied Sciences Department at PEC

SCHEDULE OF QUANTITIES

S. No.	Description of Items	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. 1x4 sq.mm	70	Metre	88.00	6160.00
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.				
3	20 mm	20	Metre	128.00	2560.00
4	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.	2	Each	586.00	1172.00
5	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, 6 meter deep in ground and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 5.40 metre long etc. with 96kg charcoal/ coke and 5 kg salt complete in all respect with all petty material and labour required to complete the job.	2	Set	18223.00	36446.00
6	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	20	Metre	1551.00	31020.00
7	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess floor/wall for connections etc. as required.	6	Metre	1162.00	6972.00
8	Providing and fixing of MS box of size 300mmx300mmx150mm deep made of 16 SWG	2	Each	1500.00	3000.00

	CRC sheet duly powder coated, hinged cover and lockable with two no insulated blocks for fixing copper strip duly recessed in wall with all petty material and labour required to complete the job.				
	Total				87330.00
Rupees Eighty seven thousand three hundred thirty only					
Rate to be quoted by the bidder _____ % below/ Above					

Term & Conditions

1	All items provided in the schedule are subject to notes provided in DSR 2022.	
2	No Claim will be entertained from the contractor in case of error 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 2022 by the Engineer-in-charge.	
3	Earth result required under one volt between earth and neutral	
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 entreated on this account.	
5	Although various makes has 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	Before the start of work, the agency has to bring samples of all the material of the approved make to be used at site and get it approved from the E.I.C. Only approved material and make will be allowed to be used at site.	
7	The contractor will be responsible for the damage caused to the cable of BSNL or any other agency during the execution of work. He should inform to authority incharge of cables in writing prior to taking excavation works, failing which the debit raised by the BSNL/ other agency /Department for such damage caused by the contractor will be recoverable from him.	
8	That the contractor shall comply with the provision of the contract Labour (Regulation & Abolition) Act, 1970 and the rules made there under as extended by the contract Labour (Regulation & Abolition) Rules. 1974.	
9	The work will be executed as per CPWD specification & relevant code.	
10	Any material of the approved make if not available / manufactured then equivalent specification material of any other make may be allowed subject to approval of EIC.	
11	The Electrical work shall have to be executed side by side with Civil and PH work.	
12	Separate colour of wires shall be used for phase and neutral so as to distinguish it for live conductor.	
13	All the cables/wires connections should be done through lugs/thimbles duly crimped with proper crimping tools & no extra payment shall be made on this account.	
14	The work including fans and fittings shall be guaranteed for a period of one year for any manufacturing defect from date of commissioning.	
15	The approved makes are as under	
	Piano type accessories	Anchor Penta/ Havells Reo/ Gold Medal Essenza
	Modular type accessories/sheets	Legrand (Lyncus)/ABB (Tvisha/ Gold Medal(GIFA) Crabtree (Athena)
	Galvanized moduler boxes	ABB/National/ Goldmedal/ Indo Asian
	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 and their enclosures	L&T/ Legrand/ Hager/Schneider/ ABB/ Siemens/Havells (MCCB's/RCCB's/ELCB and enclosure 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


University Engineer

Dated 21-12-2023

Endst. No. PEC/EO/ 1187

Copy of the above is forwarded to the following:

1. Webmaster, to upload on institute website.
2. Notice Board


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