

DAV COLLEGE SECTOR 10 CHANDIGARH
Short Notice Inviting Tenders(NIT)

Sealed Tenders on percentage rate basis in two bid system are hereby invited by Principal, DAV COLLEGE SECTOR 10 CHANDIGARH from the contractors having valid enlistment with Engineering. Deptt, Chandigarh Administration/ CHB/ CITCO/MCC as Class A Electrical contractor and valid Electrical License for HT issued by Electrical Inspector UT Chandigarh for the following work on the prescribed form to be downloaded at the website <https://www.davchd.ac.in/tenders>

S.No	Name of work	Estimated cost	Earnest money	Time limit	Document download start date	Bid submission last date	Bid opening date
1	DNIT for Provision of Lightning arrester along with accessories on top of buildings and surge protection & LT panel for server room at DAVC Sector- 10 Chandigarh	Rs. 1550000/-	Rs. 31000/-	One month	13-02-2024	20.02.2024 upto 11.00 AM	20.02.2024 at 12.00 P.M noon

1. Detailed terms and condition and complete DNIT can be seen from web site <https://www.davchd.ac.in/tenders>
2. Earnest Money shall be in form of bank draft in favor of Principal DAV college Chandigarh
3. Tender should be enclosed in two separate sealed envelopes marked "technical bid" and "price bid".
4. The technical bid should contain bank draft, copy of enlistment and HT Electrical license as per NIT.
5. The second bid should contain price bid with DNIT mentioning the percentage rate.
6. The price bid shall be opened in respect of contractors whose technical bid is found in order.
7. The work shall be allotted to L1 contractor.


Principal
DAV College, Chandigarh
DAVC Sec-10 Chd

DNIT for Provision of Lightning arrestor along with accessories on top of buildings and surge protection & LT panel for server room at DAVC Sector- 10 Chandigarh

Estimated Cost : Rs 15,50,000=

Earnest Money : Rs 31,000=

Time limit : 1 month

S.NO.	Ref of DSR	DESCRIPTION OF ITEMS	QTY	Unit	RATE	Amount
1	5.3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	39	each	6256.00	243984.00
2	5.5	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. (but without charcoal/ coke and salt) as required.	3	each	12622.00	37866.00
3	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	33	Mtr	1162.00	38346.00
4	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	60	Mtr	244.00	14640.00
5	6.4	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	150	each	113.00	16950.00
6	6.7	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	1892	mtr	126.00	238392.00
7	6.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	518	Mtr	197.00	102046.00
8	6.2	Providing and fixing of Lightning conductor finial, made of 25 mm dia 300 mm long, G.I tube (B class) 2 mtr long having single prong at the top with 85 mm dia 6 mm thick G.I. plate including holes etc. complete as required	60	each	518.00	31080.00

9	N.S	Providing and fixing of G.I Pipe B class (medium) ISI mark of size of 2" to be installed on surface with the help of clamps/ in ground/road/tiles after excavation/ cutting with cutter including repair with cement concrete of 1:2:4 cement concrete as required. The GI pipe shall be of make JINDAL/ADVANCE/SURYA PRAKASH	30	Mtr	837.00	25110.00
10	N.S.	S/E/T/C of 1 module three phase 230 volts over voltage & low voltage release in the existing distribution board, range 60V < U < 170V, U > 267V, complete in all respect to the entire satisfaction of EIC. Make Hager (MZ215) or equivalent in GIC/ Legrand/ Schneider.	1	each	5965.00	5965.00
11	N.S.	S/E/T/C of 0.5 module Trip alarm contact (INO + INC) (for MCB only) in the existing distribution board, complete in all respect to the entire satisfaction of EIC. Make Hager (MZ202) or equivalent in Legrand,/Schneider.	1	each	1367.00	1367.00
12	N.S.	S/E/T/C of 2 module, double pole 16 /32 Amp MCB breaking capacity 10kA, curve 'D' 230 volts, complete in all respect to the entire satisfaction of EIC. Make Hager (NDN216N) or equivalent in Legrand/ Schneider.	7	each	989.00	6923.00
13	N.S.	S/E/T/C of 2 module, double pole 16 Amp RCBO, 30mA, breaking capacity 6kA, 230 volts, complete in all respect to the entire satisfaction of EIC. Make Hager (AD956Y) or equivalent in Legrand,/ Schneider.	14	each	4680.00	65520.00
14	N.S.	S/E/T/C of 2 module, double pole 32 Amp RCBO, 30mA, breaking capacity 6kA, 230 volts, complete in all respect to the entire satisfaction of EIC. Make Hager (AD956Y) or equivalent in Legrand/, Schneider.	3	each	4917.00	14751.00
15	N.S.	S/E/T/C of 4 pole Surge protection device confirming to IEC 61643-1, I _{max} 12.5kA (remote signaling) complete in all respect to the entire satisfaction of EIC. Make Hager (SPL412R) or equivalent in Legrand,/ Schneider.	1	Each	23441.00	23441.00
16	N.S.	Supply and laying of 3 core 4 SQMM PVC sheathed copper unarmoured round cable of 1.1 KV grade as per IS 7098 (Part-I) 1988 (amended up to date) to be laid on surface/ cable tray with the help of clamps or cable tie, complete in all respect to the entire satisfaction of EIC. The cable shall be of make Finolex/ KEI/RR/Havells/Unistar	1100	Mtr	243.00	267300.00

17	N.S.	Supply and laying of 3.5 core 95 SQMM XLPE insulated PVC sheathed Armoured Aluminum conductor cable of 1.1 KV grade as per IS 7098 (Part-I) 1988 (amended up to date) to be laid in existing RCC/Hume/DWC/ Metal pipe, complete in all respect to the entire satisfaction of EIC. The cable shall be of make Finolex/ KEI/RR/Havells/Unistar	240	Mtr	810.00	194400.00
18	N.S.	Providing and fixing following rating MCCB 4 pole 415 Volt (Thermal magnetic / microprocessor release) without MS enclosure for Over load and Short circuit & Earth fault protection, 35-55 KA Breaking capacity (Ics=100% Icu) with positive isolation. The overload & short circuit release shall be of Adjustable Type. The MCCB is to be installed in existing cubicle panel , making connections etc.. The job includes the cost of spreaders terminal links and direct/ extended rotary handle etc. as required. The MCCB should be of make Hager/ L&T/ Siemens/ Schneider/ Legrand/ ABB only. One no. MCCB shall be provided /connected with existing over voltage and under voltage release along with existing Trip alarm MCCB 100 Amps/415 Volt 4 pole	2	Nos.	16588.00	33176.00
19	N.S.	S/E/T/C of surge arrester for 11kV HT breaker (set of 3), it includes the cost of making connection with the Panel Bus-bar & earthed through single core aluminium cable, complete in all respect to the entire satisfaction of EIC. Make: Oblum/ Lamco	1	Each	33365.00	33365.00
20	NS	Supply and laying of DWC, HDPE pipe of 63 mm dia (OD 63mm, ID 51mm) ISI marked pipe conforming to IS 14930 complete with fitting and cutting the road/floor/ tile with cutter/ excavation, laying direct in ground 30 cm below including refilling the trenches and repairing with cement concrete 1:2:4 as required to the finish the job. The pipe shall of make Telerex / Dura-Line / Tirupati / Gemini / Astral / Utkarsh / Supreme.	100	Mtr	347.00	34700.00
21	NS	S/ET/C of 4 pole 100 amp 415 volt on load type manual change over switch of Hager/ L&T/ ABB/ Schneider make including making connection testing etc as required to the job.	1	each	7110.00	7110.00

22	N.S.	<p>Supply, fabrication erection testing and Commissioning of base mounted LT Panel made out of CRCA Sheet 1.6 mm with cost of busbars and solid interconnection of copper. The panel shall be of Indoor application. The cubicle panel shall be fully compartmentalized of suitable size (upto 300mm) deep as required at site suitable for three phase 50 Hz 415 volt AC supply system with suitable size of MS channel base, removable gland plates at the bottom, earthing studs at both ends duly painted with powder coated finish of approved shade and two coats of anticorrosion paint. The manufacturer/fabricator of LT panel should possess type test certificate/ reports w.r.t. manufacturing of LT panel with breaking capacity 50KA (minimum) & Degree of protection IP42 (minimum) from CPRI/ERDA approved Lab. The cubicle should have space & independent compartment for the following switchgear-</p> <ol style="list-style-type: none"> 1. MCBTPN BDB 4 way with I No. MCBTPN 2. MCB DP 4 Nos 3. 4 Nos RCBO 2 POLE 4. 8 Nos RCBO 2 POLE 5. 4 Nos RCBO 2 POLE 6. MCB DP 2 POLE 7. MCB DP 2 POLE 8. MCB DP 2 POLE 9. S/E Of Copper Busbar Of Rating 100 Amp 415 V, 4 Nos Bars Of size (20X 3 MM) 10. S/E of 2Nos brass neutral link for 4 O/G circuits 11. S/E of 2Nos brass neutral link for 4 O/G circuits 12. S/E of 2Nos brass neutral link for 4 O/G circuits 13. MCCB 4 pole -2 Nos., surge protection device 4 pole, Change Over switch 4 pole S/E of digital voltmeter(3 phases display) ammeter & with selector switch alongwith accessories, S/E of LED indicators for generator and AC supply 14. S/E of adopter box as per site requirement <p>The job includes bonding the panel to the existing earth, making connection, testing and commissioning etc as required to complete the job. The fabricator will get drawing of the panel approved before fabrication after visiting the site condition. The panel should be got inspected at manufacturer's premises before installing at the site. The panel should be got fabricated at CPRI approved manufacturer,</p>	1 job	Each	75000.00	75000.00
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23	NS	Dismantling of existing switchgear such as MCBTPNBDB, Changeover switch, disconnection, cables & wires and making temporary connection to restore the electric supply for server room. The existing wires shall be reset to make connections with new cubicle panel at new location nearby. The job includes providing suitable PVC pipes/ junction box and extending the existing wires to new cubicle panel. The dismantled material shall be handed over to authorized person of the college	1	Each	10000.00	10000.00
24	1.14.5	Wiring for circuit/Sab main wiring along with earth wire with following size of FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit as required 2X 10 SQ.MM+1X 6 SQ MM	50	MTR	570	28500.00
		Total				15499320.00
		SAY				1550000.00

Percentage rate to be quoted by firm (+/-) _____

Terms and Conditions:--

- 1) The contractor should be enlisted with Engineering. Deptt., Chandigarh Administration/ CHB/ CITCO/MCC as Class A Electrical contractor.
- 2) The contractor should have valid HT Electrical License issued by electrical inspector UT chandigarh.
- 3) Work should be carried out as per CPWD Specifications and as per NIT.

- 4) The lightning conductors shall be secured not more than 1.2 m apart for horizontal run, and 1 m for vertical run by putting clamps.
- 5) Joints should be mechanically and electrically effective, for example, clamped, screwed, bolted, crimped, riveted or welded
- 6) With overlapping joints, the length of the overlap should not be less than 20 mm for all types of conductors
- 7) Earth electrode resistance Resistance of each earth electrode shall be measured by firm and shall be less than 4 ohm in case of copper plate earthing, 5 ohm in case of GI plate earthing (typical drawing enclosed).
- 8) Earth continuity test and insulation testing of new work shall be carried out by the firm.
- 9) Completeness of tender: -All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned. All hardware materials such as nuts/bolts/screws/ washers etc. to be used in the work shall be zinc/cadmium plated iron.
- 10) Defect Liability Period: -All equipments shall be guaranteed for a period of one year from the date of taking over the installation by the department, against unsatisfactory performance and/or break down due to defective design, workmanship or material.
- 11) Security deposit @ 5% of gross amount of the bill shall be deducted from each running bill and final bill paid to the contractor. The security deposit shall be released on the expiry of guarantee period as stipulated in the contract.
- 12) The rates are inclusive of all tax and duties.
- 13) Income tax @ 2%, GST @ 2% & Labour cess @ 1% shall be deducted from the bills of the firm as applicable.
- 14) The earnest money shall be in the form of Bank FD drawn in the favour of Principal DAV College Chandigarh. The earnest money shall be released after successful completion of work.
- 15) No damage is caused to the building/ college property while execution of work otherwise firm will be liable to make good loss/damage.
- 16) The electric connections are to be made with dowel lugs and thimbles
- 17) The quantity can increased or decreased as per site requirement.


Principal
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DAV College, Chandigarh

