

Materials for Providing and fixing of electrical installation in the 100 seater
Building For PVTG students of High School Karalukha Dist. Narayanpur (C.G.)

NAME OF ITEM		MAKE	Model
1	SWITCHES (MODULAR)	1. HAVELLS	Myrano Cable Free
		2. Legrand	Myrius, Mylink
		3. M.K.	Elements
		4. Schneider	Livia
2	SWITCHES (Non MODULAR)	1. Winner	
		2. Pointer	
		3. Legrand	Britzy
		4. Anchor	Penta
3	PVC Wires (Fire Retardant) 1.5 Sqmm. / 2.5 Sqmm. / 4 Sqmm. & 6 Sqmm.	1. RR Kabel	
		2. Polycab	
		3. KEI	
		4. Finolex	
4	PVC Pipe & its accessories (a) 2 mm Thick For Concealed wiring as well as for surface	5. Havells	
		1. Precision	
		2. BEC Plast	
		3. Dauphin	
5	MCB	1. L&T	
		2. C&S	
		3. Havells	
		4. Legrand	
6	DB	1. Schneider	
		2. L&T	
		3. Havells	
		4. Legrand	
7	MCCB	5. C&S	
		1. Schneider	
		2. L&T	
		3. Legrand	
8	Air Circuit Breaker	4. C&S	
		1. L&T	
		2. Legrand	
		3. ABB	
9	Armoured/Unarmoured Cable (Power Cable HD)	4. Schneider	
		1. R.R	
		2. Polycab	
		3. KEI	
10	Celling Fan 1200 mm/1400 mm	1. Havelis	Velocity
		2. Bajaj	GRACE LX
		3. Orient	Electric
		4. Crompton	High Speed
11	Frsh air Fan/ Exhaust Fan (300/380/450 mm)	1. Bajaj	
		2. Crompton	
		3. Usha	
		4. Havells	
12	Frsh air Fan/ Exhaust Fan (300/380/450 mm)	1. Bajaj	
		2. Crompton	
		3. Usha	
		4. Havells	

	0.9 mm Thickness	MAKE	MODEL
	Switch Board (a) Metallic	1. Galvanised best Quality	
		1. Best make made of M.S. Sheet All Size 60 mm deep & thickness 8 SWG upto 20x30 cm and 16 SWG of larger sizes.	
15	Cover of switch board	1. Best make laminated sheet (Hylem) 3.00 mm thick	
16	LED light (luminaries) LED Bulb & LED Street light fitting & LED flood light	1. Philips 2. Ledvance (Osram) 3. Crompton 4. Havells 5. Bajaj	Note:- LED Chips from Nichia, Cree, GE, Osram, Citizen, Bridgelux, Lumiled
17	HDPE PIPE B CLASS	1. Reliance 2. Polycab 3. Supreme 4. Finolex	
18	GI Pipe "B" Class	1. Tata 2. Jindal 3. Prakash Surya	
19	Air-Conditioner	1. Daikin 2. Mitsubishi 3. Blue star 4. O General	
20	High Mast pole/ Street light pole	1. Bajaj 2. Crompton 3. Transrail 4. Valmont	ISO : 2026 & BS EN : 10025 BS EN ISO 1461

Note (1) In one Building one make - accessories / fitting will be allowed.

(2) Wire shall be ISI Marked following colour coding of wires


Shall be followed in wiring:-

Phase : Red / Yellow/ Blue (Three Phase Wiring)

Live : Red (Single Phase wiring)

Neutral : Black

Earth : Green


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OF THE EXECUTIVE ENGINEER E/M DIVISION PWD
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ANNEXURE - E

TERMS & CONDITION

NAME OF WORK :- Providing E/F in the 100 seater Girls Hostel building For PVTG students of High School Karlakha Dist. Narayanpur (C.G.)

1. Electric installation shall be carried out in accordance with the General Specification for Electrical Works (Part - I Internal) & (Part - II External) 1972 of C P W D adopted by E- In-C M.P W.D. Bhopal & also : Confer With Indian Electrical Rule 1956 as amended Up to Date

2. Civil contractor should Sublet the Electrical Work only those Electrical contractor who are Registered in PWD for Electrical Work as following class.

- (I) "D" Class Electrical Contractor - Up to 1.00 Crore
- (II) "C" Class Electrical Contractor - Up to 2.00 Crore
- (III) "B" Class Electrical Contractor - Up to 10.00 Crore
- (IV) "A" Class Electrical Contractor - Unlimited

3. Contractor will submit along with final bill.

- (a) Completion Certificate
- (b) Completion Plan drawn to a suitable scale on tracing cloth with ink. Indicating Location of main switch, D.B. Circuit fitting and their location

4. The Contractor will be fully responsible for any accident damages and losses occurred due to negligence of work. The amount of the losses and damages etc. Will be recovered from the

5. The Contractor shall have his own tools and plants, helmet, hand gloves, first aid box and other safety measures. In good working condition for staff, no Extra payment shall be made for this arrangement and no Claims shall be paid by the department.

6. The Contractor himself shall be fully responsible for any accident casualty of the staff if occurs due to Electrical fault or any other reason during the work and no claim will be paid for such accident of causality by the department.


7. The Contractor will be fully responsible for taking all of safety measures during contract period.

- (a) Electrical power supply arrangement temporarily at site will be made by contractor No payment will be made by PWD Department
- (b) Earthing system should be installed in presence of A. E. (e/m)/ Sub Engineer (E&M)

8. Earth Continuity conductor of required size & material should be installed with entire run of wiring Earth nut bolt must be provided at all switch boards All metallic parts Ceiling fan tube fitting socket out let should be essentially connected to earth.

9. All Connection of ceiling fan, tube fixture, street light fixture shall be made by Core PVC/ Rubber sheathed cable of required.

10. The Civil contractor should have a Electrical Supervisor for Electrical works at site as per Norms of C.G./ M.P. Govt. who Electrical Diploma/ Degree Holder as Required as per PAC


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