

Name of the Work: - Supply, installation, Testing & Commissioning of 50 No's New window Air Conditioner Wiring, LT Cableing, LT Main control Panel, Sub control Panels & Allied electrical works at **DAV Public School,T.H.A. Rajender Nagar, Sector II, Sahibabad, Ghaziabad, Uttar Pradesh - 201005.**

S.No.	Description	Make	Unit	Qty	Rates	Amount
1	AIR CONDITIONER PANEL					
a	AIR CONDITIONER ACB PANEL		No.	1		
	Design, manufacture, supplying and testing of the following cubical type panels made of 14 gauge CRCA structure, base channel, complete with, Air Circuit Breaker panel, meters, indicating lamps, current transformer etc. Complete in all respects, insulated AL bus bars with heat shrinkable PVC sleeve in suitable bus chambers, interconnection, small wiring, name plate, danger plat, earth bus etc. & comprising of compartments with hinged door for each feeder & its accessories, cable alley with hinged doors, bus chamber with bolted door etc. The panel being of dust & vermin proof construction with rubber gasket attractively powder coating etc. The panel shall be free standing type/ wall mounted type as per relevant drawing and comprising with the following. Dimensions:- 900 (L) x 1875 (H) x 1000 (D) (approx)					
	LT main incomer control switches Air Circuit Breaker 1250 Amp. Four Pole, Draw-out ACB, EDO, breaking Capacity 50kA.Microprocessor Based SR18					
	AL Bus bar 1600 Amp with PVC Sleeves		SET.	1		
	DIGITAL MULTIFUNCTION METRE VAF, 96X96mm	Trinity	No	1		
	CURRENT TRANSFORMER 1000/5A, CL-1,15VA	AE/Rishbe	Nos.	3		
	RED/ YELLOW/ BLUE INDICATING LAMP 220 V AC LED TYPE	Essbee	Nos.	3		
	6 A SP MCBs FOR CONTROL	L&T	Nos.	9		
	ON/OFF Indicator Lamp 220 V AC LED TYPE	Essbee	Nos.	2		
b	SUB CONTROL AIR CONDITIONER PANELS		Nos.	2		
	Design, manufacture, supplying and testing of the following Outdoor cubical type, dead front/back access 2mm/1.6mm thick sheet enclosed, with standing outdoor type extendible sub distribution boards with, vermin proof hinged lockable doors for each compartment provide. bus bar interconnections, for incoming and outgoing including feeders ear thing and painting and as per specification.					
i	INCOMER					
	200 Amp, 36KA, 4Pole,MCCB.	L&T	Nos.	1		
	Phase Indicators (R.Y.B.)	Essbee	Nos.	3		
	Control MCB 6 Amp. SP.	L&T	Nos.	3		

S.No.	Description	Make	Unit	Qty	Rates	Amount
ii	OUT-GOINGS					
	32 A, DP, MCB	L&T	Nos.	30		
	All material from i to ii on fitted in panel. Panel enclosures 2 mm/ 1.6mm CRC sheet. AL Bus Bar suitable size and thickness for 200 Amp. & wiring, It should be coated with non-corrosive /powder coated.					
TOTAL AMOUNT ACB PANEL & SUB CONTROL PANELS AMOUNT ₹						
2	LT Cable					
i.	Supply & laying Aluminum Armoured L.T. cable in ground/trench including digging the trench, back filling with sand and providing protective brick covering of providing support in existing trench and clamping the cable to supporting trench etc as required.					
	4 Core 150 Sq mm AYFY Cable		MTR	500		
	Make:- Havell's, Kalinga, Gloster, Polycab, ISI make cables.					
	LT. Cable Terminal					
ii.	Supply and making terminal joint for the following terminal point for the following size of 1.1 KV PVC INSULATED Aluminum conductor armored cable including providing heavy duty Aluminum terminal crimping lugs, insulation tap, double compression brass cable gland effecting terminal connection on the equipment complete as per required.					
	i) 4 Core 150 Sq mm AYFY Cable	dowell's/ Action.	Nos.	4		
iii	Cutting Chiseling of Kota Stone 6" (width) including digging the trench, filling with PVC 6" Pipe & covering new Kota complete as per required.		R.MTR.	200		
TOTAL AMOUNT LT CABLE, LT Cable Terminal & PVC PIPE ₹						
3	Earthing					
i	Construction of earthing station (Dry type) with following earth electrodes depth 2 meter along with all accessories including excavation of pit, fixing earth electrode pipe filling in alternate layers of earthing chemical refilling etc complete. Fixing of GI strip size 25X3 m with GI saddle, end to end of strip connected with welding/GI nut bolts of item (drilling, grouting of fastener/ screw in the part of item) and connecting to Panels as required.		Nos.	3		

S.No.	Description	Make	Unit	Qty	Rates	Amount
ii	Providing and fixing G.I Tape 25mmX3mm thick on parapet or surface of wall connected with welding/GI nut bolts of item (drilling, grouting of fastener/ screw in the part of item) and connecting to Panels as per required complete etc.		MTR	60		
TOTAL AMOUNT Earthing ₹						
4 Wiring for Air Conditioner						
i	Supplying and fixing of following size of FRLS PVC insulated copper conductor, single-co cable in the existing surface/recessed steel/PVC conduit as required					
	ii) 2 X 4 sq. mm + 1 X 1 sq. mm wire with earth wire (1 class room one circuit connected)	Havell"s	MTR	2500		
ii	Supplying and fixing of following sizes of medium-class PVC conduit along with accessories in surface/recess the wall and making good the same in case of the recessed conduit as required.					
	i) 25 mm dia	ISI	MTR	1600		
iii	Providing & fixing 32 Amp Mini DP MCB complete as required.	Havell"s	Nos.	50		
TOTAL AMOUNT of Wiring for Air Conditioner ₹						
5 Installation of New Window Air Conditioner						
i	Installation of New window Air Conditioner with stabilizer in main block complete as required.		Nos.	50		
ii	Providing and fixing 25MM Air Conditioner PVC Pipe for drain pipe with complete accessories as required.		MTR	800		
iii	Providing and fixing window AC GI sheet Drain Tray with complete accessories as required.		Nos.	50		
TOTAL AMOUNT of Installation of New Window Air Conditioner ₹						

Date :

Signature of Contractor