

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
 [Electrical Division]
 Ph: 0674-2541545, 2542921, Fax: 0674-2541543
 E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 03 AS PER IFB

NAME OF THE WORK :-SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AIRCONDITIONING SYSTEM AT EXAMINATION HALL AND EVALUATION ZONE IN ACADEMIC BLOCK- I OF RAMADEVI WOMENS UNIVERSITY, BHUBANESWAR.

BID REF NO :- 82/PM/ELECT/OPHWC/2022-23

<u>SCHEDULE OF WORKS</u>					
Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
PART-A	FIRE FIGHTING SYSTEM				
1	4000988 Point wiring for 15/16 amp socket outlet (MODULAR) with 4.0sq.mm FR PVC insulated single core multistrand copper conductor ISI marked in recess 20 mm dia non metallic PVC flexible conduit with 15/16 Amp, 250 V modular type switch & socket , phenolic laminated sheet suitable size ISI marked MS Box & earthing Point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc as required as per direction of Engineer in charge . (Make of wire Finolex / L & T / Anchor / Havels/ V guard) Make-switch/Socket-Legrand/ Wipro-North west/ Anchor/ havells/ Panasonic)	NO	5	975.15	4,875.75
2	40001000 Recessed wiring to submain in 2 x 2.5 sqmm FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L & T / Anchor / Havels/ V guard) (CSR SL .No- 1.8.2)	MTR	540	142.33	76,858.20
3	40001003 Recessed wiring to submain in 2 x 4 sqmm FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 1 x 1.5 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L & T / Anchor / Havels/ V guard) (CSR SL .No- 1.8.3)	MTR	180	159.51	28,711.80
4	40001012 Recessed wiring to submain in 4 x 6 sqmm FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 2.5 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L & T / Anchor / Havels/ V guard) (CSR SL .No- 1.8.10)	MTR	45	286.49	12,892.05
5	40001015 Recessed wiring to submain in 4 x 10 sqmm FR PVC insulated single core multistarnd copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non metallic heavy duty flexible conduit 1.6 mm thick along with 2 x 4 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / L & T / Anchor / Havels/ V guard) (CSR SL .No- 1.8.11)	MTR	45	412.73	18,572.85
6	40001045 Supply and laying of 95 sq.mm 3.5 core PVC Al. Arm Cableof 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required. (Sl. No -25 sl no- 5.1.2)(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)	MTR	200	684.35	136,870.00
7	40001126 providing and fixing 8 SWG(4mm)dia copper wire on surface or in recess for loop earthing as required (sl no-3.18)	RFT	300	27.26	8,178.00

8	40001178 Supply and fixing of 4 way mcb Box with 32 Amp TPN MCB & 12 nos 20 amp SPMCB with sheet steel encloser , distribution board, on surface/ recess, complete with tinned copper bus bar , neutral bus bar, earth bar, din bar , detachable gland plate, interconnection , phosphate and power painted including earthing etc as required. (Sl. No- 2.7.4, 2.5& 2.9)Make-MCB-(Legrand/L&T/ ABB/SCHNIDER/ANCHOR-PANASONIC)	SET	2	4,586.58	9,173.16
9	40001295 Supply and fixing of 4 way mcb Box (4+12) with 63 amp 4P Isolator/ 4P MCB & 12 nos 20 amp SPMCB with sheet steel encloser , distribution board, on surface/ recess, complete with tinned copper bus bar , neutral bus bar, earth bar, din bar , detachable gland plate, interconnection , phosphate and power painted including earthing etc as required. Make-MCB-(Legrand/L&T/ABB/SCHNIDER/ANCHOR-PANASONIC)	SET	1	4,288.56	4,288.56
10	40001301 Supply and installation of 2.0 Tr. Split type Air Conditioner (3 Star rated) of reputed brand with supply and fixing of 6 KVA ,130-280 Volt voltage range wall/floor mounted stabiliser including all accessories ,fastner angle copper piping up to 15ft & connections as per instruction of Electrical Engineer-in-charge MAKE of A.C. – CARRIER/BLUE STAR/MITSUBISHI , MAKE OF STABILIZER-SHAKTI/ AUTOTEK/V-GUARD/MICROTEK	NO	5	49,699.99	248,499.95
11	40001876 Supply and fixing of 16 Amp top(for inverter installation) with all accessories and connction as per instruction of Electrical-Engi neer-in-Charge	NO	5	80.50	402.50
12	40002095 Supply, Installation, Testing & Commissioning of maintenance free chemical earthing having enhancing chemical compound with 3 Mtr. Long copper bonded steel rod and suitable termination clamp including all accessories. Make :- ABB / STAR-X / UNIVERSAL All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	NO	2	16,650.00	33,300.00
13	40002149 Supply and laying of 6 sq.mm 4 core copper flexible cable Panel to AC out door Unit.(Make- Cable-Finolex/Havells/Polycab)	MTR	200	267.22	53,444.00
14	40002152 Supply and fixing of 95 sq.mm 3.5 core PVC Al. Arm Cableof 1.1 KV grade end termination	SET	4	431.23	1,724.92
15	40002158 Supply and fixing of 10 sq.mm 04 core PVC Al. Arm Cableof 1.1 KV grade end termination.	SET	2	172.33	344.66
16	40002163 Supply and fixing of 6 sq.mm 04 core PVC Al. Arm Cableof 1.1 KV grade end termination.	SET	16	150.00	2,400.00
17	40005127 Supply of Air Cooled Type Variable Refrigerator Flow System based on 100% Inverter scroll Compressor with linear capacity control , IPM Technology, VET Technology, PWM overmodulation control , unique HIC Circuit , self diagnostic auto check , auto restart, built in Auto Phase Reversal & Auto Bye pass Function, Inverter start technology complete with R410A refrigerant based Outdoor & Indoor units wired /wireless central remote controllers, refrigerant connectors & Joints, copper refrigerent piping , control & transmission wining condensate drain piping and other accessories as required and detailed in the secification.The unit should be deliver rated capacity at AHRI Conditions.The system should also be capable of delivering Non Stop cooling upto 52 Deg C Ambient Tempreature.The operating temp. range should be clearly indicated in catlogue. VRF OUTDOOR UNIT Modular type imported low noise outdoor condensing units, comprising of own made Low Pressure Shell type Inverter based Multi valve Scroll Compressor housed in a separate Fire protected enclosure, 6 Pole Motor, Induction type Heater , Suction Gas Cooled Compressor Motor Accumulator, Blue fin treated condensr coil for corrrision resistant BLDC Condensor fan motor , high ESP and low noise aerodynamic condenser fan, protection device for inverter circuit (Comprssor/fan) and fan motor, capable to operate at power source of 3 Phase,380-410-415V,50HZ. Capacity: 48 HP Nominal capcity cooling only inverter scroll(Make-Mitsubishi/O-GENERAL	NO	2	1,125,000.00	2,250,000.00

18	40005129 Indoor units complete with cooling coil electronic expansion valve electrical control box, fire resistant metal box protection for indoor units PCBs and Panel with Auto By Pass Technology , inspection inlet for easy access to the unit , suitable for operation at a power source 1 Phase 220-230-240 V, 50Hz & 3 Phase 380-400-415 V , 50 Hz for High Static Ducted units with other accessories as required for smooth operation of the system of following capacity, 4 TR 4way Cassette AC(Make-Mitsubishi/O-GENERAL)	NO	20	52,300.00	1,046,000.00
19	40005131 Copper Refrigeration Joints for VRF AC	NO	18	5,550.00	99,900.00
20	40005133 Wireless Remote Controller for Cassette type Indoor Units	NO	20	4,455.00	89,100.00
21	40005135 Supply, Installation, Testing & Commissioning of the above 48HP VRF system including Refrigerant Copper Piping between Outdoor to Indoor, Ducting for Indoor Units, Drain piping , GI Ducting , Accoustic Insulation , Thermal , Communication Cable , Supporting Channel , Vaccumizing, R-410A Gas Charging, Nitrogen Leakage Testing , Aluminium Powder coating grills.	NO	2	768,000.00	1,536,000.00
22	40005137 Supply & fixing of incoming:- 1 no of 400 A Four Pole MCCB with stud connector (36 KA) Model-DN3-400D(AC PANEL TERRACE)Busbar : 4 Nos 500 A 8 KG , 500V Electrolytic copper strips, Drum Insulater for busbar, Busbar Sleeveings Instruments: 01 Nos. Multi-function meters showing voltage, current, pf, frequency, MD and THD with required CTs, 1set: LED type R-Y-B phase indicating lamps with control fuses. Outgoing: 2 nos 63 A FPMCB+RCCB with Stut connector, 7 nos 40 A FPMCB+RCCB with Stut connector,3 nos 32 A FPMCB+RCCB with Stut connector, Sheet metal with powder coating, Door gaskets ,Door Hinges,Door locks, etc including all accessories and connections as per instruction of Electrical Engineer-in-Charge [Make-(a)MCB /MCCB -Legrand/L&T/ABB/SCHNIDER/ANCHOR-PANASONIC (b)Volt meter, Ammeter-AE/CAPPA, (d) all other accessories ISI mark]	SET	1	150,504.20	150,504.20
				Total Cost	5,812,040.60
				CESS @1%	58,120.41
				Total Estimated Cost	5,870,161.01
				Total Estimated Cost in Figures	5,870,161.00
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)	_____ %			
		Quoted Amount in Figure			
		Quoted Amount in words			

N:B- The Estimated cost is exclusive of GST .

Signature of Tenderer with seal

Sd/-
Asst. Project Manager[Elect.]

Sd/-
APM (Elect.) Hqr.

Sd/-
Project Manager(Elect.)