

**TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION), THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR**

**Name of work :-SUPPLY & INSTALLATION OF 10 NOS. SEPARATE METERS , CONNECTION OF MAIN PANEL BOARD TO SUB PANEL BOARD, SUPPLY AND INSTALLATION OF AC MACHINES IN SOUTH WING 5TH FLOOR & LAYING OF CABLES AND ITS ANCILLARTY WORKS AT BOYAN BHAWAN , PNJ, MARG, BHUBANESWAR .**

**BID REF NO.-01/JM/ELECT/OPHWC/2010-21**

<b>Bidder Name</b>	
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**SCHEDULE OF WORKS**

Sl. No.	Description of work	Qty.	Unit	Estimated Rate	AMOUNT Rs.
<b>A</b>	<b>SUPPLY &amp; INSTALLATION OF 10 NOS. SEPARATE METERS</b>				
1	LT CT Metering arrangement for 100 KW Load in the purpose of sub meter with connecting cable .( To be installed at 400 Amp MCCB out going for Terrace AC)	Set	1	24,487.00	24,487.00
2	LT CT Metering arrangement for 80 KW Load in the purpose of sub meter with connecting cable .( To be installed at 200 Amp MCCB out going for Boyanika)	Set	1	23,987.00	23,987.00
3	LT CT Metering arrangement for 60 KW Load in the purpose of sub meter with connecting cable .( To be installed for each floor , south wing of fifth floor, lift , water pump etc with spare)	Nos	10	₹ 23,487.00	2,34,870.00
<b>B</b>	<b>CONNECTION OF MAIN PANEL BOARD TO SUB PANEL BOARD</b>				
1	Supply and Fixing of 125 AMP. TPMCCB [35 KA] - 01 SET WITHOUT METER SPACE OUT GOING 100 AMP , 25 / 3 MM. COPPER BUS BAR - 04 NOS INSTRUMENTS 0 –100 AMP. AMMETER WITH SELECTOR SWITCH - 01 SET 100 / 5 AMP. CT - 01 SET 0 – 500 VOLT. VOLTMETER WITH SELECTOR SWITCH - 01 SET INDICATING LAMP WITH CONTROLLING SWITCH - 01 SET etc.including all accessories and connections as per instruction of Electrical Engineer-in- Charge. [make-(a)Mcb /Mccb - Legrand/ Schnider/Havells	Set	6	41,917.50	2,51,505.00
2	Supply and laying of 120 sq.mm 3.5 core PVC Al. Cable of 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning ,protective covering and refilling the trench etc. as required for terrace AC.( Make - Finolex/ Havells/ Polycab)	Mtr	80	819.91	65,592.80

3	Supply and laying of 70 sq.mm 3.5 core PVC Al. Cable of 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning ,protective covering and refilling the trench etc. as required from MPDB to FDB at each floor.( Make - Finolex/ Havells/ Polycab)	Mtr	300	485.88	1,45,764.00
4	Supply and laying of 50 sq.mm 3.5 core PVC Al. Arm Cable of 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning , protective covering and refilling the trench etc. as required (2 run for lift).( Make - Finolex/ Havells/ Polycab)	Mtr	120	₹ 451.84	54,220.80
5	Recessed wiring to submain in 4 x 16 sqmm FR PVC insulated single core multistrand 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 10 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required from FDB to BDB each floor (Make of wire Finolex / L <(>&<)>T / Anchor / Havells/ V guard) ( CSR SL .No- 1.8.12)	Mtr	200	₹ 612.19	1,22,438.00
6	Supply and fixing of 120 sq.mm 3.5 core End Termination	Nos	2	₹ 428.75	857.50
7	Supply and fixing of 70 sq.mm 3.5 core End Termination	Nos	12	₹ 372.03	4,464.36
8	Supply and fixing of 50 sq.mm 3.5 core End Termination	Nos	6	₹ 321.59	1,929.54
9	Supply and fixing of 16 sq.mm 4 core End Termination	Nos	20	₹ 184.88	3,697.60
10	Providing and fixing 8 SWG (4mm ) dia copper wire on surface or in recess for loop earthing as required. ( csr sr.no- 3.18)	Rft	1000	₹ 26.33	26,330.00
C.	<b>SUPPLY AND INSTALLATION OF AC MACHINES IN SOUTH WING 5TH FLOOR</b>				
1	Supply and installation of 1.5Tr. Window type Air Conditioner ( 3 Star) of reputed brand with supply and fixing of 5 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 TAR/MITSUBISHI , MAKE OF STABILIZER-SHAKTI/ AUTOTEK/V-GUARD/MICROTEK	Nos	3	29,227.43	87,682.29
2	Supply and installation of 1.8 Tr. Casstte A.C. MAKE of A.C-CARRIER R -410A /MAKE – BLUE STAR,	No	7	68,979.75	4,82,858.25
3	Supply and installation of 1.5 Tr. Casstte A.C. MAKE of A.C-CARRIER R -410A /MAKE – BLUE STAR,	No	4	58,231.95	2,32,927.80

4	Installation charges of drain pipe for split AC including all accessories.	Meter	155	164.00	25,420.00
5	Copper Pipe for Casstte AC	Mtr	155	787.20	1,22,016.00
6	Out Door Stand for Cassette A.C.	No	11	2,200.00	24,200.00
7	Supply and Fixing of OUT DOOR TYPE 100 AMP. 4PMCCB OUTGOING: BUSBAR : 4 NOS150A, 500V ELECTROLYTIC COPPER STRIPS 25 AMP. DPMCB -6 NOS. 32 AMP. DPMCB -6 NOS. INSTRUMENTS: 1 NO OF 0-100A AMPEREMETER WITH CTS WITH SELECTOR SWITCH 1 NO OF 0-500V VOLT including all accessories and connections as per instruction of Electrical Engineer-in- Charge. [make- (a)Mcb /Mccb - Legrand/ Schnider/Havells Crabtree/ ABB, ( b)volt meter, ammeter- AE/IMP, (d) all other accessories ISI mark]	Set	1	51,750.00	51,750.00
8	Supply and laying of 50 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 from FDB FTH FLOOR to AC FDB at TERRACE (Sl. No-25 sl no- 5.1.2)( Make - Finolex/ Havells/ Polycab)	Mtr	30	₹ 451.84	₹ 13,555.20
9	Providing and fixing 8 SWG (4mm ) dia copper wire on surface or in recess for loop earthing as required. ( csr sr.no- 3.18)	Rft	200	₹ 26.33	5,266.00
10	Supply and laying of 4 sq.mm 3 core insulated cable includind all accessories and connection.(AC out door FDB Terrace to each out door unit)	Mtr	220	₹ 134.55	29,601.00
11	Supply and laying of 2.5 sq.mm 3 core insulated cable includind all accessories and	Mtr	150	₹ 89.66	13,449.00
<b>D</b>	<b>LAYING OF CABLES AND ITS ANCILLARTY WORKS</b>				
<b>1</b>	<b>FEEDAR PILLAR:-</b>				-
	<b>Incoming:</b>				-
	1 no. 800 A, 50 kA, FP MCCB				-
	<b>Outgoing:</b>				-
	60 x 10 mm cu. Bus bar				-
	<b>Instruments:</b>				-
	Indicator with control fuse	SET	1	1,00,500.00	1,00,500.00
2	Supply and Fixing of 800 Amp onload changeover with busbar (out door) type including all accessories and connections as per instruction of Electrical Engineer-in-Charge.	Set	1	58,190.00	58,190.00

3	Supply and laying of 300 sq.mm 3.5 core PVC Al. Cable(Tfm. Busing To Fidder pillar)of 1.1 KV grade ISI Marked direct in ground including excavation , sand cushioning ,protective covering and refilling the trench etc. as required from Transformer to 800 Amp incoming at DG Set & 800 Amp feeder pillar to 800 Amp change over incoming & 800 Amp pillar AMF incoming , 800 Amp change over to main panel at building (2 run)( Make - Finolex/ Havells/ Polycab)	Mtr	260	2,135.75	5,55,295.00
4	Supply and fixing of 300 sq.mm 3.5 core End Termination	Nos	16	₹ 798.84	12,781.44
5	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. <b>Make :- ABB / STAR-X / UNIVERSAL</b> All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge.	No	4	15,200.00	60,800.00
6	Supply, Installation, Testing & Commissioning of 25 x 5 MM copper flat (Insulated / through 2" diameter super quality PVC pipe) from lightning air terminal to earth electrode on wall / ceiling/concrete column/under buried trench by proper saddling & making connection at both ends the and making good the damages caused. All the work should be carried out as per the specified specifications and instruction of the Engineer-in-Charge. <b>Make of PVC Pipe :- AKG / KINJAL / ORIPLAST</b> S..(CSR SL . NO- 3.11) .	Mtr.	60	509.11	30,546.60
7	Providing and fixing 8 SWG (4mm ) dia copper wire on surface or in recess for loop earthing as required. ( csr sr.no- 3.18)	Rft	300	₹ 26.33	7,899.00
<b>TOTAL</b>					<b>28,74,881.18</b>
<b>CESS</b>					28748.81
Total Rs.					<b>2903629.99</b>
Total Estimated Cost in Figures.					<b>2903630.00</b>
EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____%					
Quoted Amount in Figures.					

Quoted Amount in words	
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**N.B-The Estimate Cost is Exclusive of G.S.T**

Signature of Tenderer with seal

Sd/-  
Asst. Project Manager (Elect.)

Sd/-  
Asst. Project Manager Elect.(Hqr)

Sd/-  
Consultant (Elect.)

Sd/-  
Joint Manager (Elect.)