

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.

JANAPATH, BHOINAGAR, BHUBANESWAR - 22

[Electrical Division]

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PRICE BID FOR THE WORK UNDER SL. NO :- 01 AS PER IFB

NAME OF THE WORK :- EXECUTION OF ELECTRICAL WORKS WITH LAYING OF CABLES AND INSTALLATION OF CONTROL PANEL FOR AC AT DIFFERENT BUILDINGS OF FM UNIVERSITY.

BID REF NO :- 84/PM/ELECT/OPHWC/2023-24

NAME &  
ADDRESS  
OF THE  
FIRM

SCHEDULE OF WORKS

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS.	AMOUNT IN RS.
1	<b>BUSINESS MANAGEMENT DEPARTMENT</b>				
1	<b>40001015</b> Recessed wiring to submain in 4 x 10 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 4 sqmm FR PVC insulated single core multistrand copper conductor as earth wire as required (Make of wire Finolex / Anchor / Havells/ V guard) CSR SL .No- 1.8.11)(Make of PVC pipe- AKG/NORPACK)	MTR	50	416.75	20837.50
2	<b>40001295</b> 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)	SET	1	4320.9	4320.90

2	<p><b>40001328</b>  <b>Supply and Fixing of 200 AMP. TPMCCB [35 KA] with 200 AMP. 415 VOLT CUT OUT - 03 NOS WITHOUT METER SPACE with 200 AMP , 25 / 6 MM. COPPER BUS BAR - 04 NOS, INSTRUMENTS- 0 –200 AMP. AMMETER WITH SELECTOR SWITCH - 01 SET ,200 / 5 AMP. CT - 01 SET, 0 – 500 VOLT. VOLTMETER WITH SELECTOR SWITCH - 01 SET ,INDICATING LAMP WITH CONTROLLING SWITCH - 01 SET including all accessories and connections as per instruction of Electrical Engineer-in- Charge. [Make-(a) MCB/MCCB- Legrand/L &amp;T/ABB/SCHNIDER/ANCHOR-PANASONIC(b)- Voltmeter, Ammeter-AE/CAPPA (c) ALL OTHER ACCESSORIES ISI MARK]</b>  <b>Ground Floor</b></p>	SET	1	57845	57845.00
3	<p><b>40008385</b>  <b>Supply and fixing of on 15 watt round/square shape slim recessed mounted led panel with dia cast housing finished in white powder coating False ceiling with comprises of aluminium die cast housing finished in white powder coated &amp; ABS white ring . The downlighter is pre-wired with high efficiency electronic driver. High traslucent frosted diffuser is used to get glare free, smooth light distribution. Operating Voltage Range : 150V~ - 270V, PF : &gt; 0.9, 100 Lum/Watt with lamp , choke, connecting wire, and all accessories and connections .( Make-CROMPTON(MODEL NO-LSCRM-15W-CDL/LSCSM-15W-CDL)/ PHILIPS(MODEL NO-15W DURASLIM ROUND/SQUARE 165MM/WIPRO(MODEL NO-LD80-131-XXX-60-XX)</b></p>	NO	10	1523.49	15234.90

4	<p><b>40008387</b>  Supply and fixing of on 24 watt round/square shape slim recessed mounted led panel with dia cast housing finished in white powder coating False ceiling with comprises of aluminium die cast housing finished in white powder coated &amp; ABS white ring . The downlighter is pre-wired with high efficiency electronic driver. High traslucent frosted diffuser is used to get glare free, smooth light distribution. Operating Voltage Range : 150V~ - 270V, PF : &gt; 0.9, 100 Lum/Watt with lamp , choke, connecting wire, and all accessories and connections .( Make-CROMPTON/ PHILIPS(MODEL NO-22W DURASLIM ROUND/SQUARE 208 MM/WIPRO(MODEL NO-LD80-281-XXX-60-G1)  Ground Floor</p>	NO	2	2721.28	5442.56
5	<p><b>40009700</b>  Supply and Installation of 100 AMP. 415V. 4-Pole Change Over Switch including all accessories and connections as per instruction of Electrical Engineer-in- Charge. [Make-Legrand/L&amp;T/ABB /SCHNIDER/Havells.  Ground Floor</p>	NO	1	15000	15000.00
					<b>118680.86</b>
II	<b>DISMANTLING OF OLD STREET POLE</b>				
1	<p><b>40009704</b>  Dismantling &amp; removal of Old Street Light Pole from entire campus and Stacking at one place with all accessories .</p>	NO	103	1200	123600.00
2	<p><b>40009706</b>  Supply and fixing of 50wt. Landscape light (IP65/IP66) LED post-top offering combination of sturdy design, excellent illumination and aesthetics in one go. IP65/66 and IK 08 rating ensures it stands takk amid varid enviromental condition (Make-CROMPTON/ PHILIPS/ WIPRO/JAQUAR/HAVELLS)</p>	NO	9	8535.3	76817.70
					<b>200417.70</b>
III	<b>EARTHING WORK AT NEW CAMPUS</b>				

1	<p><b>40002092</b>  <b>Supply, Installation, Testing &amp; Commissioning of 25 x 5 MM copper flat (Insulated / through 1.5" diameter super quality PVC pipe) from lightning air terminal to earth electrode on wall / ceiling/concrete column/under buried trench by proper saddling &amp; 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 Make of PVC Pipe :- AKG / KINJAL / ORIPLAST S.</b>  <b>Ground Floor</b></p>	MTR	125	509.11	63638.75
2	<p><b>40002095</b>  <b>Supply, Installation, Testing &amp; 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.</b>  <b>Ground Floor</b></p>	NO	10	16650	166500.00
3	<p><b>40009702</b>  <b>Supply and fixing of Sub earthing with 50X5 Copper flat including all accessories &amp; connections as per instruction of Electrical Engineer-in-charge.</b>  <b>Ground Floor</b></p>	MTR	125	600	75000.00
					305138.75
IV	<b>LAYING OF CABLE SECURITY ROOM</b>				
1	<p><b>40001036</b>  <b>Supply and laying of 35 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. (Sl. No -25 sl no- 5.1.2)(MAKE CABLE - FINOLEX/ HAVELLS/ POLYCAB/ KEI)</b>  <b>Ground Floor</b></p>	MTR	150	387.21	58081.50

2	<b>40001295</b> 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) Ground Floor	SET	1	4320.9	4320.90
3	<b>40002092</b> Supply, Installation, Testing & Commissioning of 25 x 5 MM copper flat (Insulated / through 1.5" 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 Make of PVC Pipe :- AKG / KINJAL / ORIPLAST S. Ground Floor	MTR	20	509.11	10182.20
4	<b>40002095</b> 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. Ground Floor	NO	1	16650	16650.00
5	<b>40002360</b> Supply and fixing of 40mm dia HDPE pipe -PE 80 grade PN-6. 2.0 wall thickness Ground Floor	MTR	120	93	11160.00
					<b>100394.60</b>
V	<b>LED GLOW SIGN BOARD OLD CAMPUS</b>				

1	<b>40009712</b> Supply and fixing of LED GLOW SIGN BOARD of size 3'x8' (FAKIR MOHAN UNIVERSITY, BALASORE) to be witten in both Odia & English Language & to be fixed 5 feet above from the roof top including foundation pillar and connections as per instruction of Electrical Engineer-in-charge at the Entry Gate of Old Campus. Ground Floor	NO	1	40000	40000.00
					40000.00
VI	<b>PHYSICS DEPARTMENT AT OLD CAMPUS FM BA</b>				
1	<b>40000988</b> 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 . (Make of wire Finolex / Anchor / Havells/ V guard) Make-switch/Socket-Legrand /Wipro-North West /Anchor-Panasonic/ havells)(Make of PVC pipe-AKG/NORPACK) Ground Floor	NO	2	983.89	1967.78
2	<b>40001003</b> 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 / Anchor / Havells/ V guard) CSR SL .No-1.8.3)(Make of PVC pipe-AKG/NORPACK) Ground Floor	MTR	140	163.53	22894.20

3	<b>40009312</b> <b>Supply and installation of 1.5Tr.(5 Star) Inverter Split type Air Conditioner with supply and fixing of 4 KVA ,130-280 Volt voltage range wall/floor mounted stabiliser including all accessories,fastner angle copper piping up to 15ft &amp; connections MAKE of A.C. – CARRIER MODEL NO-EMPERIA DXI/BLUE STAR MODEL NO-IA518ENU,MAKE OF STABILIZER- AUTOTEK/V-GUARD/MICROTEK</b> <b>Ground Floor</b>	NO	2	46764.44	93528.88
					118390.86
VII	<b>SURFACE WIRING OF VEHICLE SHED</b>				
1	<b>40000949</b> <b>Recessed wiring to Tube Light Point ( MODULAR) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non metallic PVC flexible conduit with 5 Amp, 250 V one way modular switch ISI marked and ceiling rose ISI marked mounted on MS Box having front bakelight cover of suitable size, MS Box with 1.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection. ( Make of wire Finolex / Anchor / Havells/ V guard)(Make-switch/ceiling rose-Legrand /Wipro-North West /Anchor-Panasonic/ havells)(Make of PVC pipe-AKG/NORPACK)</b> <b>Ground Floor</b>	NO	5	1004.45	5022.25

2	<p><b>40000988</b>  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 &amp; socket , phenolic laminated sheet suitable size ISI marked MS Box &amp; earthing Point with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor for loop earthing etc .  (Make of wire Finolex / Anchor / Havells/ V guard) Make-switch/Socket-Legrand /Wipro-North West /Anchor-Panasonic/ havells)(Make of PVC pipe-AKG/NORPACK)  Ground Floor</p>	NO	2	983.89	1967.78
3	<p><b>40001000</b>  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 / Anchor / Havells/ V guard) CSR SL .No-1.8.2)(Make of PVC pipe-AKG/NORPACK)  Ground Floor</p>	MTR	300	146.35	43905.00
4	<p><b>40001003</b>  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 / Anchor / Havells/ V guard) CSR SL .No-1.8.3)(Make of PVC pipe-AKG/NORPACK)  Ground Floor</p>	MTR	20	163.53	3270.60



5	<b>40008397</b> Supply and fixing of 4 FT 20 W LED Tube light fitting with lamp including fixing and connections (Make-CROMPTON(MODEL NO-CCS-102- 20-65-SL-DP-NWH/ PHILIPS(MODEL NO-SLIMLINE NEXT 4'/ WIPRO(MODEL NO-LL20-221-XXX-65NE3) Ground Floor	NO	30	692.14	20764.20
					74929.83
VIII	<b>SURFACE WIRING TO GEOLOGY DEPARTMENT</b>				
1	<b>40000985</b> Point wiring for 5/ 6 amp socket outlet ( Separate) ( MODULAR) with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor ISI marked in recess 20 mm dia non metallic PVC flexible conduit with 5 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 . (Make of wire Finolex / Anchor / Havels/ V guard) Make-switch/Socket-Legrand /Wipro-North West /Anchor-Panasonic/ havells)(Make of PVC pipe-AKG/NORPACK) Ground Floor	NO	6	732.23	4393.38
2	<b>40000988</b> 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 . (Make of wire Finolex / Anchor / Havels/ V guard) Make-switch/Socket-Legrand /Wipro-North West /Anchor-Panasonic/ havells)(Make of PVC pipe-AKG/NORPACK) Ground Floor	NO	9	983.89	8855.01

3	<b>40001000</b> 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 / Anchor / Havells/ V guard) CSR SL .No- 1.8.2)(Make of PVC pipe- AKG/NORPACK) Ground Floor	MTR	120	146.35	17562.00
4	<b>40001003</b> 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 / Anchor / Havells/ V guard) CSR SL .No- 1.8.3)(Make of PVC pipe- AKG/NORPACK) Ground Floor	MTR	180	163.53	29435.40
5	<b>40001036</b> Supply and laying of 35 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) Ground Floor	MTR	50	387.21	19360.50
6	<b>40001126</b> providing and fixing 8 SWG(4mm)dia copper wire on surface or in recess for loop earthing as required (sl no- 3.18) Ground Floor	RFT	30	27.89	836.70

7	<b>40001295</b> 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) Ground Floor	SET	2	4320.9	8641.80
8	<b>40002095</b> 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. Ground Floor	NO	1	16650	16650.00
					105734.79
IX	<b>WIRING TO GRAMA SABHA AND STATUE</b>				
1	<b>40002198</b> Construction of light post base with inside opening of following size complete including excavation of pit,PPC Padding,250 mm thick brick walls on all sides,1:6 cement plastering of the wall side,top & complete as required as per electrical engg -in -charge and consultation 300mm x 300mm x 750mm Ground Floor	NO	16	1966.19	31459.04

2	<b>40007401</b> Recessed wiring to Focus Light Points with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non metallic PVC flexible conduit with 5 Amp, 250 V one way modular switch ISI marked and ceiling rose ISI marked mounted on MS Box having front bakelight cover of suitable size, MS Box with 1.0 sq. FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in charge . ( Make of wire Finolex / L &T / Anchor / Havels/ V guard/HPL) ( Make of wire Finolex / L &T / Anchor / Havels/ V guard)(Make-switch/etc -Legrand /Wipro /Anchor /havells /Panasonic) <b>Ground Floor</b>	NO	25	995.54	24888.50
3	<b>40007403</b> Supply & installation of 9/12w LED Focus light Outdoor type (IP65/IP66) on wall or ground as applicable make ISI marked as approved with all accessories and as per instruction of Electrical Engineer-in-charge . (Make-HAVELLS/ WIPRO/PHILIPS/ CROMPTON/ PANASONIC) <b>Ground Floor</b>	NO	25	1250	31250.00
					<b>87597.54</b>
	Sub total Rs.				<b>1151284.93</b>
	<b>Cess @ 1%</b>				<b>11512.85</b>
	Total Estimated Cost				<b>1162797.78</b>
	Total Estimated Cost in Figures				<b>11,62,798.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> Please Tick)			_____ %	
	Quoted Amount in Figure				
	Quoted Amount in word				

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

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager (Elect)

Sd/-  
D.M I/C(Elect)

Sd/-  
Project Manager(Elect)