

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail: jmelectricalophwc@gmail.com, Website: www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 22 AS PER IFB****NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO POLICE STATION BUILDING AT MAHAKALAPADA IN THE DISTRICT OF KENDRAPADA.****BID REF NO.- 50/JM/ELECT/OPHWC/2020-21**

| NAME & ADDRESS OF THE FIRM | |
|---------------------------------------|--|
| | |

SCHEDULE OF WORKS

| Sl. No. | Description of work | Unit | Qty. | Estimated Cost in Rs. | |
|----------------|--|-------------|-------------|------------------------------|--------------------|
| | | | | RATE (RS) | AMOUNT (RS) |
| SCOPE-A | Construction of 11 KV line3Ph 3W by Using 70mm² 11KV XLPE Cable(Armoured)Including Spare Cable over 09 mtr.long150 x150mm Rs Joist Pole - 0.05 Km | | | | |
| 1 | 9 Mtr. Long 150x150mm Rs Joist Pole | No | 2 | 17901.00 | 35,802.00 |
| 2 | 100x50x6mm MS channel | K.g | 51.52 | 65.00 | 3,348.80 |
| 3 | Clamp for fixing of XLPE cable at Straight X-arm | No | 4 | 450.00 | 1,800.00 |
| 4 | 11 kv GI pin | No | 3 | 80.00 | 240.00 |
| 5 | 11 KV Pin Insulator | No | 3 | 80.00 | 240.00 |
| 6 | 11 KV H/W fitting B&S | No | 3 | 350.00 | 1,050.00 |
| 7 | 11 KV Disc insulator B&S 70 KN | No. | 6 | 390.00 | 2,340.00 |
| 8 | HT Stay set complete | Set | 2 | 1050.00 | 2,100.00 |
| 9 | HT stay Insulator | Set | 2 | 50.00 | 100.00 |
| 10 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 2 | 2315.15 | 4,630.30 |
| 11 | HT Stay Clamp(1.95 K.g/Pair) | Pair | 2 | 125.00 | 250.00 |
| 12 | 7/10 SWG Stay Wire | KG | 20 | 75.00 | 1,500.00 |
| 13 | Earthing of Support(Coil type) | No | 2 | 166.00 | 332.00 |
| 14 | 70mm ² 11KV XLPE Cable (Armoured) Including Spare Cable | Mtr | 110 | 482.00 | 53,020.00 |
| 15 | jointing kit for 3Cx70mm ² 11KV XLPE Cable(Out door Type) | Set | 4 | 10949.00 | 43,796.00 |

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|----------------|---|-----|-------|----------|-------------------|
| 16 | 11KV L.A-12KV-10KA | No. | 6 | 3550.00 | 21,300.00 |
| 17 | GI Pipe for earthing 40mm dia medium gauge 3mtr long | No | 4 | 1050.00 | 4,200.00 |
| 18 | No.6 GI Wire | Kg | 30 | 75.00 | 2,250.00 |
| 19 | Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover | No | 2 | 2270.27 | 4,540.54 |
| 20 | Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each | No | 2 | 2639.18 | 5,278.36 |
| 21 | Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days. | No | 2 | 676.37 | 1,352.74 |
| 22 | Red Oxide Paint | Ltr | 3 | 150.00 | 450.00 |
| 23 | Alluminium Paint | Ltr | 3 | 200.00 | 600.00 |
| 24 | Black Paint | Ltr | 1 | 220.00 | 220.00 |
| 25 | GI Barbed wire anticlimbing device 2Kg for support | Kg | 4 | 80.00 | 320.00 |
| 26 | 5/8" GI Nut,Bolt & washer | Kg | 6 | 71.00 | 426.00 |
| 27 | Sundries(survey,tree cutting,small size nut bolt , Allm. Binding wire/tape & Danger board 4 Nos. etc.) | L/S | 1 | 2000.00 | 2,000.00 |
| | Total Rs. | | | | 193,486.74 |
| SCOPE-B | Installation of 63 KVA, 11/0.4 KV S/S-1 No. | | | | |
| 1 | 9 Mtr. Long 150x150mm Rs Joist Pole | No | 2 | 17901.00 | 35,802.00 |
| 2 | Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos. | K.g | 51.52 | 65.00 | 3,348.80 |
| 3 | Transformer Mounting Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos. | K.g | 51.52 | 65.00 | 3,348.80 |
| 4 | AB switch &HG fuse mounting channel(75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr) | K.g | 76.16 | 65.00 | 4,950.40 |
| 5 | Cantilever channel for supporting AB Switch Arm ,75x40x6mm MS Angle 1 mtr long 2nos (6.8Kg/mtr) | K.g | 13.6 | 65.00 | 884.00 |
| 6 | Cantilever channel for supporting HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr) | No. | 9 | 65.00 | 585.00 |

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| 7 | Angle for cantilever arrangement for AB Switch & HG fuse 50x50x6 mm - 2mtr each 2nos (4.5 Kg per mtr) | Kg | 18 | 65.00 | 1,170.00 |
| 8 | Transformer Belting angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 7 Mtr.) | K.g | 31.5 | 65.00 | 2,047.50 |
| 9 | Angle for mounting LT distribution Box 50x50x6 mm MS angel-2.5mtr each long 2nos (4.5 KGg per mtr) | Kg | 22.5 | 65.00 | 1,462.50 |
| 10 | 11 KV AB switch 3 pole(200A) | set | 1 | 7350.00 | 7,350.00 |
| 11 | 11KV HG fuse 3pole (400A) | No | 1 | 11530.00 | 11,530.00 |
| 12 | 11KV L.A-12KV-10KA | No. | 3 | 3550.00 | 10,650.00 |
| 13 | 11 KV H/W fitting B&S | Set | 6 | 350.00 | 2,100.00 |
| 14 | 11 KV Disc insulator B&S 70 KN | No. | 12 | 390.00 | 4,680.00 |
| 15 | HT Stay Set (Complete) | Set | 2 | 1050.00 | 2,100.00 |
| 16 | HT Stay insulator | No | 2 | 50.00 | 100.00 |
| 17 | HT Stay Clamp(1.95 K.g/Pair) | Pair | 2 | 125.00 | 250.00 |
| 18 | 7/10 SWG Stay Wire | KG | 20 | 75.00 | 1,500.00 |
| 19 | GI Pipe for earthing 40mm dia medium gauge 3mtr long | No | 5 | 1050.00 | 5,250.00 |
| 20 | No.6 GI Wire | Kg | 20 | 75.00 | 1,500.00 |
| 21 | 40x6 mm GI flat for Neutral | Kg | 20 | 75.00 | 1,500.00 |
| 22 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 2 | 2315.15 | 4,630.30 |
| 23 | Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each | No | 2 | 2639.18 | 5,278.36 |
| 24 | Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days. | No | 2 | 676.37 | 1,352.74 |
| 25 | Materials for massonary work for eath pit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover | No | 5 | 2270.27 | 11,351.35 |
| 26 | 50 sq. mm AAAC. | Km | 0.04 | 30000.00 | 1,200.00 |
| 27 | Red Oxide Paint | Ltr | 2 | 150.00 | 300.00 |
| 28 | Alluminium Paint | Ltr | 2 | 200.00 | 400.00 |

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|----------------|--|------|-------|----------|-------------------|
| 29 | Ms nut bolt & Washer | Kg | 36 | 71.00 | 2,556.00 |
| 30 | 63 KVA 11/0.4 KV Transformer,BIS Energy Level-II | No | 1 | 86500.00 | 86,500.00 |
| 31 | LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S | No | 1 | 18322.00 | 18,322.00 |
| 32 | 3 1/2 x95 mm2 PVC cable for 63 KVA Tfr. | Mtr | 15 | 333.00 | 4,995.00 |
| 33 | Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate. | LS | 1 | 41580.00 | 41,580.00 |
| 34 | Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc. | LS | 1 | 3100.00 | 3,100.00 |
| | Total Rs. | | | | 283,674.75 |
| SCOPE-C | Construction of DP Structure by using 9mtr long 300 Kg PSC Pole with provision of AB switch(11KV,400A,3 Pole)& Double disc -1 No. | | | | |
| 1 | 9 Mtr. Long PSC Pole | No | 2 | 3000.00 | 6,000.00 |
| 2 | Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos. | K.g | 51.52 | 65.00 | 3,348.80 |
| 3 | AB switch mounting channel (75x40x6)mm,GI channel each 2.8mtr long 4 No(6.8Kg/mtr) | K.g | 38.8 | 65.00 | 2,522.00 |
| 4 | Cantilever channel for supporting AB Switch Arm ,75x40x6mm MS Angle 1 mtr long 2nos (6.8Kg/mtr) | K.g | 13.6 | 65.00 | 884.00 |
| 5 | Cantilever channel for supporting AB Switch ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr) | No. | 9 | 65.00 | 585.00 |
| 6 | AB Switch DP bressing angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 9 Mtr.) | K.g | 41 | 65.00 | 2,665.00 |
| 7 | 11 KV AB switch 3 pole(400A) | set | 1 | 11850.00 | 11,850.00 |
| 8 | 11 KV H/W fitting B&S | Set | 9 | 350.00 | 3,150.00 |
| 9 | 11 KV Disc insulator B&S 70 KN | No. | 18 | 390.00 | 7,020.00 |
| 10 | HT Stay Set (Complete) | Set | 2 | 1050.00 | 2,100.00 |
| 11 | HT Stay insulator | No | 2 | 50.00 | 100.00 |
| 12 | HT Stay Clamp(1.95 K.g/Pair) | Pair | 2 | 125.00 | 250.00 |
| 13 | 7/10 SWG Stay Wire | KG | 20 | 75.00 | 1,500.00 |

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|----------------|--|------|------|---------------|------------------|
| 14 | GI Pipe for earthing 40mm dia medium gauge 3mtr long | No | 2 | 1050.00 | 2,100.00 |
| 15 | 40x6 mm GI flat for Neutral | Kg | 60 | 75.00 | 4,500.00 |
| 16 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 2 | 2315.15 | 4,630.30 |
| 17 | Concreting of support CC 1:4:8 using 40 mm BHG metal size- 5'x2'x2'=20CFT=.570Cum Padding 900x600x150 mm =0.081 0.651 cum @ 3071.25 =1999.38 each | No | 2 | 2639.18 | 5,278.36 |
| 18 | Couping of support section 15"x15" (3.9 Cft) height 2'-6' (1'-6' above G.L & 1'-0' below G.L) in C.C 1:2:4 using 12mm BHG metal & curring for 5 days. | No | 2 | 676.37 | 1,352.74 |
| 19 | Materials for massonary work for earth pit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover | No | 2 | 2270.27 | 4,540.54 |
| 20 | 50 sq. mm AAAC. | Km | 0.04 | 30000.00 | 1,200.00 |
| 21 | Red Oxide Paint | Ltr | 1 | 150.00 | 150.00 |
| 22 | Alluminium Paint | Ltr | 1 | 200.00 | 200.00 |
| 23 | Black Paint | Ltr | 0.5 | 220.00 | 110.00 |
| 24 | GI Nut,bolt & Washer | Kg | 25 | 78.00 | 1,950.00 |
| 25 | Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc. | LS | 1 | 2000.00 | 2,000.00 |
| | Total Rs. | | | | 69,986.74 |
| SCOPE-D | Construction of 3 Ph 4 W LT Line over 8mtr long with 3x50+1x35 sq. mm AB cable-0.35KM. | | | | |
| 1 | 8 Mtr. 200 kg PSC Pole | No | 10 | 2000.00 | 20,000.00 |
| 2 | Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC pin point | No | 10 | 485.10 | 4,851.00 |
| 3 | L.T Stay set (Complete) | Set | 11 | 520.00 | 5,720.00 |
| 4 | 7/12 SWG Stay Wire | Kg | 110 | 75.00 | 8,250.00 |
| 5 | L.T Stay Clamp(1.4 K.g/Pair) | Pair | 11 | 110.00 | 1,210.00 |
| 6 | L.T Stay Insulator | No. | 11 | 30.00 | 330.00 |

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|--|---|------|------|------------------|-------------------|
| 7 | Fixing and concreting of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 900x600 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 11 | 2315.15 | 25,466.65 |
| 8 | 2 Ph 3 W X arm 4.82 Kg each | No | 12 | 360.00 | 4,320.00 |
| 9 | X Arm Back clamp 0.85 Kg each | No | 12 | 80.00 | 960.00 |
| 10 | Nuts & Bolts | Kg | 9 | 71.00 | 639.00 |
| 11 | LT Shackle insulator | No | 18 | 30.00 | 540.00 |
| 12 | GI strap and bolt | Pair | 18 | 80.00 | 1,440.00 |
| 13 | 55mm2 AAAC(for jumpering) | Km | 0.02 | 30000.00 | 600.00 |
| 14 | AB Cable(3x50+1x35) sq. mm | Km | 0.36 | 130000.00 | 46,800.00 |
| 15 | Red Oxide Paint | Ltr | 1 | 150.00 | 150.00 |
| 16 | Alluminium Paint | Ltr | 1 | 200.00 | 200.00 |
| 17 | Sundries(survey,tree cutting,insulated tape etc.) | L/S | 1 | 1000.00 | 1,000.00 |
| | Total Rs. | | | | 122,476.65 |
| A | TOTAL MATERIAL COST(A+B+C+D) | | | | 669,624.88 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 20,088.75 |
| C | Sub Total (C=A+B) | | | | 689,713.63 |
| D | Contingency @3% of C | | | | 20,691.41 |
| E | T & P 2% of C | | | | 13,794.27 |
| F | Transportation @ 7.5% of C | | | | 51,728.52 |
| G | Erection Charges for PSC Pole @ 20% | | 20% | 26780.00 | 5,356.00 |
| H | Erection Charges of DTR and Joist Poles @ 5% | | 5% | 162847.12 | 8,142.36 |
| I | Erection Charges of other @ 10% | | 10% | 500086.50 | 50,008.65 |
| J | Total Rs. | | | | 839,434.84 |
| K | Or say | | | | 839,435.00 |
| EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____% | | | | | |
| Quoted Amount in Figure | | | | | |
| Quoted Amount in word | | | | | |

N.B-The Estimate Cost is Exclusive of G.S.T i.e. @ 12%

Signature of Tenderer with seal

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

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

**Sd/-
Joint Manager (Elect.)**