

| TENDER INVITING AUTHORITY: JOINT MANAGER (ELECTRICAL DIVISION),THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD, BHUBANESWAR | | | | | |
|--|---|------|-------|-----------------------|---------------|
| NAME OF THE WORK :-EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 4-F TYPE QTRS., POLICE BARRACK & POLICE STATION BUILDING AT DASPALLA POLICE STATION IN THE DIST.OF NAYAGARH. | | | | | |
| BID REF NO:- 39/JM/ELECT/OPHWC/2020-21 | | | | | |
| Bidder Name | | | | | |
| <u>SCHEDULE OF WORKS</u> | | | | | |
| Sl. No. | Description of work | Unit | Qty. | Estimated Cost in Rs. | |
| | | | | RATE IN RS. | AMOUNT IN RS. |
| SCOPE-A | Installation of 63 KVA 11/4 KV AL BIS Energy Level-II DP mounted sub station using 10 mtr. Long 150x150 mm RS Joist Pole- 1 No. | | | | |
| 1 | Pressure Channel 100x50x6mm MS channel each 2.8 mtr long(9.2K.g/mtr)x 2 Nos. | K.g | 51.52 | 65.00 | 3348.80 |
| 2 | Transfor mounting channel 100x50x6 mm GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos.. | K.g | 51.52 | 65.00 | 3348.80 |
| 3 | 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 | 4950.40 |
| 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 HG fuse ,50x50x6mm MS Angle (1 mtr long 2nos)(4.5Kg/mtr) | No. | 9 | 65.00 | 585.00 |
| 6 | Angle for cantilever arrangement for AB Switch & HG fuse 50x50x6 mm - 2mtr each 2nos (4.5 Kg per mtr) | Kg | 18 | 65.00 | 1170.00 |
| 7 | Transfor belting angel 50x50x6 mm 2.8 Mtr. Long 2 Nos. (4.5 Kg/Mtr.) with side angel (total 7 Mtr.)GI channel each 2.8 Mtr. Long (9.2 Kg per Mtr.)x2 Nos. | K.g | 31.5 | 65.00 | 2047.50 |
| 8 | 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 | 1462.50 |
| 9 | 11 KV AB switch 3 pole(200A) | set | 1 | 7350.00 | 7350.00 |
| 10 | 11KV HG fuse 3pole (400A) | No | 1 | 11530.00 | 11530.00 |
| 11 | 11KV L.A-12KV-10KA | No. | 3 | 3550.00 | 10650.00 |
| 12 | HT Stay Set (Complete) | Set | 2 | 1050.00 | 2100.00 |
| 13 | HT Stay insulator Type-C | No | 2 | 50.00 | 100.00 |
| 14 | HT Stay Clamp(1.95 K.g/Pair) | Pair | 2 | 125.00 | 250.00 |
| 15 | 7/10 SWG Stay Wire Grade-2 | KG | 20 | 75.00 | 1500.00 |

| | | | | | |
|----|--|-----|------|----------|-----------|
| 16 | GI Pipe for earthing 40mm dia medium gauge 3mtr long | No | 5 | 1050.00 | 5250.00 |
| 17 | No. 6 GI wire for earthing | Kg | 20 | 75.00 | 1500.00 |
| 18 | 40x6 mm GI flat for Neutral | Kg | 20 | 75.00 | 1500.00 |
| 19 | 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 | 2455.46 | 4910.92 |
| 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 | 2799.13 | 5598.26 |
| 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 | 717.36 | 1434.72 |
| 22 | Materials for massonary work for eathpit, charcoal,salt etc including construction of earthing chamber(size : 2"x2") & RCC slab cover | No | 5 | 2407.86 | 12039.30 |
| 23 | 55 sq. mm insulated Conductor | Km | 0.04 | 48072.75 | 1922.91 |
| 24 | Red Oxide Paint | Ltr | 0.5 | 150.00 | 75.00 |
| 25 | Alluminium Paint | Ltr | 0.5 | 200.00 | 100.00 |
| 26 | Ms nut bolt & Washer | Kg | 36 | 71.00 | 2556.00 |
| 27 | LT Distrubution Box including kitkat fuse with MCCB for 63 kVA S/S | No | 1 | 18322.00 | 18322.00 |
| 28 | 3 1/2 x150 mm2 PVC cable for 63KVA Tfr. | Mtr | 15 | 504.00 | 7560.00 |
| 29 | Barbed Fencing (size 15'x10') with Construction of retaining wall ,erection of RCC fencing post ,sand filling, metal spreading &Iron grill gate. | LS | 1 | 44100.00 | 44100.00 |
| 30 | Sundries for survey, PVC tape , ampire tape, danger board ,small size nut & bolt preparation of drawing cable Socket etc. | LS | 1 | 2000.00 | 2000.00 |
| | Total Rs. | | | | 160146.11 |

| SCOPE-B | Construction of 3 Ph 4 W LT Line Over 8 mtr.long 125x75mmRS Joist Pole using 3x50+1x35 sq. mm AB cable -0.25 KM. | | | | |
|----------------|--|------|-------|-----------|------------------|
| 1 | L.T Stay set (Complete) | Set | 4 | 520.00 | 2080.00 |
| 2 | 7/12 SWG Stay Wire | Kg | 40 | 75.00 | 3000.00 |
| 3 | L.T Stay Clamp(1.4 K.g/Pair) | Pair | 4 | 110.00 | 440.00 |
| 4 | L.T Stay Insulator | No. | 4 | 30.00 | 120.00 |
| 5 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x600 mm)mm using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 4 | 2455.00 | 9820.00 |
| 6 | 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 | 7 | 717.36 | 5021.52 |
| 7 | dead end clamp | Set | 4 | 65.00 | 260.00 |
| 8 | Suspension clamp with I Hook | Set | 5 | 340.00 | 1700.00 |
| 9 | Nuts and Bolts-m-12 | Kg | 5 | 71.00 | 355.00 |
| 10 | Earthing coil each 5th pole to earth | No | 2 | 166.00 | 332.00 |
| 11 | AB Cable(3x50+1x35 sq. mm) | Km | 0.255 | 130000.00 | 33150.00 |
| 12 | Sundries | LS | 1 | 500.00 | 500.00 |
| | Total Rs. | | | | 56778.52 |
| A | TOTAL MATERIAL COST(FOR-2020-21) (A+B) | | | | 216924.63 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 6507.74 |
| C | Sub Total (C=A+B) | | | | 223432.37 |
| D | Contingency @3% of C | | | | 6702.97 |
| E | T & P 2% of C | | | | 4468.65 |
| F | Transportation @ 7.5% of C | | | | 16757.43 |
| G | Erection Charges of other @ 10% | | | | 22343.24 |
| H | Sub Total | | | | 273704.65 |
| 1 | 63 KVA, 11/0.4 KV TFR BIS energy Level-II | No | 1 | 86500.00 | 86500.00 |
| 2 | 10 Mtr. Long 150x150 mm Rs joist | No | 2 | 22490.00 | 44980.00 |
| 3 | 8 Mtr. Long 125x75 mm RS Joist | No | 7 | 6760.00 | 47320.00 |
| A | TOTAL MATERIAL COST(FOR-2020-21) | | | | 178800.00 |

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|--|---|----|---|-----------------|-------------------|
| B | Stock, Storage & Insurance @ 3% of A | | | | 5364.00 |
| C | Sub Total (C=A+B) | | | | 184164.00 |
| D | Contingency @3% of C | | | | 5524.92 |
| E | T & P 2% of C | | | | 3683.28 |
| F | Transportation @ 7.5% of C | | | | 13812.30 |
| G | Erection Charges of other @ 5% | | | | 9208.20 |
| H | Sub Total | | | | 216392.70 |
| SCOPE-C | Depreciation cost of 25KVA 11/0.4KV Transformer-1No. | | | | |
| 1 | 25 KVA 11/0.4 KV Transformer Cost | No | 1 | 53800.00 | 53,800.00 |
| 2 | Depreciation cost 0.9xMaterial costx10 Years)/25 | No | 1 | 19368.00 | 19,368.00 |
| | Total cost of Depreciation | | | | 34,432.00 |
| SCOPE-D | Dismantalled of 25KVA 11/0.4KV S/S with Materials-1No | | | | |
| 1 | Cost of Dismantalled Charges of 25 KVA 11/0.4 KV S/S with Materials-1No | | | | 2,000.00 |
| | Sub Total | | | | 2,000.00 |
| | Total Estimated Cost (A+B+C+D) | | | | 526529.35 |
| | Total cost After Depreciation | | | | 492,097.35 |
| J | Total Estimated Cost in Figures | | | | 492,097.00 |
| EXCESS <input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick) _____% | | | | | |
| Quoted Amount in Figures. | | | | | |
| Quoted Amount in words | | | | | |

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.)