

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 :- 02 AS PER IFB

NAME OF THE WORK :- SHIFTING OF EXISTING 11 K.V LINE AND 250 KVA SUB-STATION FROM THE PROPOSED AREA OF CONSTRUCTION OF "C" TYPE BUS STAND AT TIHIDI IN THE DISTRICT OF BHADRAK.

BID REF NO :- 100/PM/ELECT/OPHWC/2023-24

| SCHEDULE OF WORKS | | | | | |
|--------------------------|---|------|--------|-----------------------|---------------|
| Sl. No. | Description of work | Unit | Qty. | Estimated Cost in Rs. | |
| | | | | RATE IN RS. 2018-19 | AMOUNT IN RS. |
| SCOPE [A] | Construction of 3 ph 3 wire 11 KV line - 0.28 Km. | | | | |
| SCOPE [B] | Dismantling and Shifting of 250 KVA S/S-1 No. | | | | |
| SCOPE [C] | Dismantling of 55 sq. mm Conductor- 0.24 Km | | | | |
| SCOPE [C] | Dismantling of 9 Mtr. PSC Pole-2 Nos. | | | | |
| SCOPE [C] | Dismantling of 11 Mtr. PSC Pole-2 Nos. | | | | |
| 1 | 11 mtr RS Joist pole(150x150)mm(34.6 Kg/Mtr.) | No. | 13 | 24739.00 | 321607.00 |
| 2 | 11 K.V. V cross arm | No. | 9 | 810.00 | 7290.00 |
| 3 | 11 KV F clamp | No. | 11 | 240.00 | 2640.00 |
| 4 | Back clamp for V cross arm | No. | 9 | 80.00 | 720.00 |
| 5 | 11 KV Pin Insulator(Polymer) | No. | 48 | 200.00 | 9600.00 |
| 6 | 11 KV B&S Hardware (70KN),3 Bolted | set | 39 | 350.00 | 13650.00 |
| 7 | Disc insulator(B&S)70 KN,polymer | No | 39 | 1150.00 | 44850.00 |
| 8 | Pressure Channel 100x50x6mm MS channel each 2.8 mtr long 2 Nos. (9.2 K.g per mtr) | Kg | 258.44 | 65.00 | 16798.6 |
| 9 | Transformer mounting channel 100x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos | Kg | 51.52 | 65.00 | 3348.8 |
| 10 | AB switch & HG Fuse,Mounting MS Channel (75x40x6)-2.8mtr long 2 nos(4.5 k.g per mtr) | Kg | 76.16 | 65.00 | 4950.4 |
| 11 | Transformer belting angle 50x50x6mm MS channel each 2.8 mtr long (9.2K.g per mtr)x 2 nos | Kg | 31.5 | 65.00 | 2047.5 |
| 12 | Angel for mounting LT distribution Box - 50x50x6 mm -2.5.0 mtrs each Long 2 Nos. (4.5 Kg per mtr) | Kg | 23.52 | 65.00 | 1528.8 |
| 13 | Fish Plate -50x6 mm -2.36Kg/ mtrs each 0.280 mtr. Length, 6 Nos. required | Kg | 27.72 | 75.00 | 2079 |

| | | | | | |
|----------|--|------|--------|----------|------------------|
| 14 | 3Pole 11KV 200A AB switch | set | 1 | 7350.00 | 7350 |
| 15 | 3Pole 11KV 200A HG Fuse with PI | set | 1 | 6120.00 | 6120 |
| 16 | 11 KV LA 9 KV-5 KA | No | 3 | 980.00 | 2940 |
| 17 | HT stay set complete | Set | 5 | 1050.00 | 5250 |
| 18 | HT Stay clamp | Pair | 5 | 125.00 | 625 |
| 19 | HT Stay Insulator | No. | 5 | 50.00 | 250 |
| 20 | 7/10 SWG Stay wire | Kg | 50 | 75.00 | 3750 |
| 21 | 40mm dia GI pipe Earthing device 3 Mtrs. Long | No. | 5 | 1050.00 | 5250 |
| 22 | Material for masonry work for earthpit, charcoal, salt etc. including construction of earth chamber(size 2"x2") and RCC slab Cover | Ls | 5 | 1600.00 | 8000 |
| 23 | No. 6/8 GI wire | Kg | 30.14 | 75.00 | 2260.5 |
| 24 | 25x5 mm GI Flat for neutral earthing | Kg | 12 | 75.00 | 900 |
| 25 | 55 Sq. mm Insulated Conductor | Km | 0.018 | 75920.14 | 1366.56252 |
| 26 | 11 KV 1 Core ,100 sq. mm XLPE insulated AAA conductor(Unarmoured) | Km | 0.8652 | 90000.00 | 77868 |
| 27 | Earthing of support coil type | No | 13 | 166.00 | 2158.00 |
| 28 | Anticlimbing device made of GI barbed wire with clamping arrangement(2 Kg. per support) | Kg | 27 | 80.00 | 2160.00 |
| 29 | PG Clamp for 100 sq. mm AAA conductor | No | 15 | 580.00 | 8700.00 |
| 30 | Guarding for 11 Kv Road crossing | EA | 3 | 17550.00 | 52650.00 |
| 31 | Red Paint | Ltr | 2.6 | 150.00 | 390.00 |
| 32 | All. Paint | Ltr | 2.6 | 200.00 | 520 |
| 33 | Black Paint | Ltr | 3.2 | 220.00 | 704 |
| 34 | GI nut,bolt & washer | Kg | 56.69 | 78.00 | 4421.82 |
| 35 | LT distribution Box including kit-kat fuse with MCCB ,Aluminium Bus bar of 3 Bay with Kitkat fuse for 250 KVA Transformer | No. | 1 | 48000.00 | 48000.00 |
| 36 | 240 sq. mm 3.5 core PVC Cable | Mtr. | 30 | 808.00 | 24240.00 |
| 37 | All. Cable socket of 240 sq. mm | No | 12 | 45.00 | 540.00 |
| 38 | Sundries for survey, tree cutting , small size nut & bolt with washer, Allm. Binding tape, Danger Board etc. | Ls | 2 | 3000.00 | 6000.00 |
| 39 | TOTAL MATERIAL COST | | | | 703523.98 |
| 40 | Escalation @6%for 2019-20 | | | | 745735.42 |
| 41 | Escalation @6%for 2020-21 | | | | 790479.55 |
| 42 | Escalation @6%for 2021-22 | | | | 837908.32 |
| 43 | Escalation @6%for 2022-23 | | | | 888182.82 |
| A | Escalation @6%for 2023-24 | | | | 941473.79 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 28244.21 |
| C | Sub Total (C=A+B) | | | | 969718.00 |
| D | Contingency @3% of C | | | | 29091.54 |
| E | T & P 2% of C | | | | 19394.36 |
| F | Transportation @ 7.5% of C | | | | 72728.85 |
| G | Erection Charges for PSC Pole @ 20% | | | | |

| | | | | | |
|-------------------------|--|---------|----|----------|---------------------|
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | 22164.71 |
| I | Erection Charges of other @ 10% | | | | 52642.38 |
| J | Sub Total | | | | 1165739.84 |
| K | Transportation + Labour cost of Dismatled materials(detail as per estimate) | | | | 45,329.00 |
| L | Total Rs. | | | | 12,11,068.84 |
| M | Salvage value of Dismantled material | | | | 16,371.68 |
| N | Total cost after deducting salvage value | | | | 11,94,697.16 |
| 44 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6) | No | 5 | 965.25 | 4826.25 |
| 45 | Material cost for Concreting of PSC Pole 2.46 Mtrx0.4 Mtr.x0.4 Mtr=0.3936 cum(PCC 1:3:6) | No | 13 | 2558.40 | 33259.20 |
| 46 | Substation Brick Boundary wall with 1 Mtr. Sand and metal spreading | No | 1 | 70000.00 | 70000.00 |
| 47 | Transformer Plinth | No | 1 | 41300.00 | 41300.00 |
| | Total Rs. | | | | 1344082.61 |
| | Cess @1% | | | | 13440.83 |
| | Total Estimated Cost | | | | 1357523.44 |
| | Total Estimated Cost in Figures | | | | 13,57,523.00 |
| 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/-
Project Manager(Elect.)

Sd/-
DM (Elect) I/C