

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.
JANAPATH, BHOINAGAR, BHUBANESWAR - 22
[Electrical Division]
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E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.nic.in

PRICE BID FOR THE WORK UNDER SL. NO :- 10 AS PER IFB

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO CHANDIPUR POLICE STATION IN THE DISTRICT OF BALASORE.

BID REF NO :- 92/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. 2018-19 | AMOUNT IN RS. |
| SCOPE [A] | Construction of 3 ph 3W 11 Kv Line with 55 sq. mm OH insulated conductor-0.12 Km. | | | | |
| 1 | 150x150 mm 11 Mtr. Long RS joist Pole | No. | 2 | 28545.00 | 57090.00 |
| 2 | 11 K.V. V cross arm | No. | 2 | 810.00 | 1620.00 |
| 3 | 11 KV F clamp | No. | 2 | 240.00 | 480.00 |
| 4 | Back clamp for V cross arm | No. | 2 | 80.00 | 160.00 |
| 5 | 11 KV Pin Insulator polymer | No. | 6 | 200.00 | 1200.00 |
| 6 | 11 KV T&C Hardware (45KN) | set | 9 | 130.00 | 1170.00 |
| 7 | Disc insulator(T&C)45 KN Polymer | No | 9 | 860.00 | 7740.00 |
| 8 | HT Stay set complete | Set | 2 | 1050.00 | 2100.00 |
| 9 | 7/10 SWG Stay wire | Kg | 20 | 75.00 | 1500.00 |
| 10 | HT Stay Insulator | No. | 2 | 50.00 | 100.00 |
| 11 | HT stay clamp | Pair | 2 | 125.00 | 250.00 |
| 12 | 55 sq. mm OH HT insulated conductor | Km | 0.371 | 75920.00 | 28151.14 |
| 13 | 100X50X6mm GI Channel | Kg | 51.52 | 75.00 | 3864.00 |
| 14 | 75x40x6mm GI Channel | Kg | 38.08 | 75.00 | 2856.00 |
| 15 | GI nut,bolt & washer | Kg | 10 | 78.00 | 780.00 |
| 16 | PG Clamp for 100/55 sq. mm AAA Conductor | No | 9 | 580.00 | 5220.00 |
| 17 | Earthing Device material | No | 2 | 166.00 | 332.00 |
| 18 | Danger Plate | No | 2 | 80.00 | 160.00 |
| 19 | Aniclimbing device made of GI barbed wire ,clamping arrangement etc.(2 Kg per support) | Kg | 4 | 80.00 | 320.00 |
| 20 | Sundries | LS | 1 | 3000.00 | 3000.00 |
| 21 | TOTAL MATERIAL COST | | | | 118093.14 |
| 22 | Escalation @6%for 2019-20 | | | | 125178.72 |
| 23 | Escalation @6%for 2020-21 | | | | 132689.45 |
| 24 | Escalation @6%for 2021-22 | | | | 140650.81 |
| 25 | Escalation @6%for 2022-23 | | | | 149089.86 |

| | | | | | | |
|------------------|---|------|--------|-----------------|--|--------------------|
| A | Escalation @6%for 2023-24 | | | | | 158035.26 |
| B | Stock, Storage & Insurance @ 3% of A | | | | | 4741.06 |
| C | Sub Total (C=A+B) | | | | | 162776.31 |
| D | Contingency @3% of C | | | | | 4883.29 |
| E | T & P 2% of C | | | | | 3255.53 |
| F | Transportation @ 7.5% of C | | | | | 12208.22 |
| G | Erection Charges for PSC Pole @ 20% | | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | | 3934.57 |
| I | Erection Charges of other @ 10% | | | | | 8408.50 |
| J | Sub Total | | | | | 195466.42 |
| 26 | Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6) | No | 2 | 2215.20 | | 4430.40 |
| 27 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6) | No | 2 | 965.25 | | 1930.00 |
| | | | | | | 6360.40 |
| | Total Rs. | | | | | 2,01,826.82 |
| SCOPE [B] | Construction of 25 KVA (BIS energy Level-II) sub station -1 No. | | | | | |
| 1 | 150x150 mm 11 Mtr. Long RS joist Pole | No. | 2 | 28545.00 | | 57090.00 |
| 2 | 11 KV Pin Insulator polymer | No. | 3 | 200.00 | | 600.00 |
| 3 | 11 KV T&C Hardware (45KN) | set | 3 | 130.00 | | 390.00 |
| 4 | Disc insulator(T&C)45 KN Polymer | No | 3 | 860.00 | | 2580.00 |
| 5 | 100X50X6mm GI Channel | Kg | 103.04 | 75.00 | | 7728.00 |
| 6 | 75x40x6mm GI Channel | Kg | 114.24 | 75.00 | | 8568.00 |
| 7 | 50x50x6 mm GI Angle | Kg | 75.6 | 75.00 | | 5670.00 |
| 8 | HT Stay set complete | Set | 2 | 1050.00 | | 2100.00 |
| 9 | 7/10 SWG Stay wire | Kg | 20 | 75.00 | | 1500.00 |
| 10 | HT Stay Insulator | No. | 2 | 50.00 | | 100.00 |
| 11 | HT stay clamp | Pair | 2 | 125.00 | | 250.00 |
| 12 | LT distribution Box with MCCB,Aluminium Bus bar of singe-bay with kit-kat fuse for 25 KVA Transformer | No. | 1 | 12652.54 | | 12652.54 |
| 13 | 25 KVA 11/0.4 KV Transformer(BIS Energy Level-II) | No. | 1 | 53800.00 | | 53800.00 |
| 14 | 55 sq. mm OH HT insulated conductor | Km | 0.040 | 75920.00 | | 3036.80 |
| 15 | 11 KV 3 pole 200 A AB switch | Set | 1 | 7350.00 | | 7350.00 |
| 16 | 11 KV 3 pole 200 A HG Fuse with PI | Set | 1 | 6120.00 | | 6120.00 |
| 17 | Lightning arrester ,12 KV- 10KA | No | 3 | 3550.00 | | 10650.00 |
| 18 | GI pipe earthing device 40 mm dia medium gauge 3 mtrs. Long | No | 5 | 1050.00 | | 5250.00 |
| 19 | 25x6 mm GI flat for body earthing | Kg | 30 | 75.00 | | 2250.00 |

| | | | | | |
|----------|---|-----|----|----------------|--------------------|
| 20 | 50x6 mm GI flat for neutral earthing | Kg | 15 | 75.00 | 1125.00 |
| 21 | GI nut,bolt & washer | Kg | 15 | 78.00 | 1170.00 |
| 22 | 3.5 core 95 sq. mm LT PVC cable(unarmoured) | Mtr | 20 | 333.00 | 6660.00 |
| 23 | Earthing Device material | No | 2 | 166.00 | 332.00 |
| 24 | Danger Board | No | 2 | 80.00 | 160.00 |
| 25 | All. Cable socket | No | 32 | 52.00 | 1664.00 |
| 26 | Earthing material | Ls | 5 | 1890.00 | 9450.00 |
| 27 | 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 |
| 28 | TOTAL MATERIAL COST | | | | 210246.34 |
| 29 | Escalation @6%for 2019-20 | | | | 222861.12 |
| 30 | Escalation @6%for 2020-21 | | | | 236232.79 |
| 31 | Escalation @6%for 2021-22 | | | | 250406.75 |
| 32 | Escalation @6%for 2022-23 | | | | 265431.16 |
| A | Escalation @6%for 2023-24 | | | | 281357.03 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 8440.71 |
| C | Sub Total (C=A+B) | | | | 289797.74 |
| D | Contingency @3% of C | | | | 8693.93 |
| E | T & P 2% of C | | | | 5795.95 |
| F | Transportation @ 7.5% of C | | | | 21734.83 |
| G | Erection Charges for PSC Pole @ 20% | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | 7642.39 |
| I | Erection Charges of other @ 10% | | | | 13695.00 |
| J | Sub Total | | | | 347359.85 |
| 33 | Material cost for Concreting of Joist pole 2.13 Mtrx0.4 Mtr.x0.4 Mtr=0.34 cum(PCC 1:3:6) | No | 2 | 2215.20 | 4430.40 |
| 34 | Material cost for Concreting of stay 1.65 Mtrx0.3 Mtr.x0.3 Mtr=0.150 cum(PCC 1:3:6) | No | 2 | 965.25 | 1930.00 |
| 35 | Barbed Fencing with Grill gate ,metal and Sand. | Ls | 1 | 35000.00 | 35000.00 |
| | | | | | 388720.25 |
| | Total Estimated Cost | | | | 5,90,547.07 |
| | Total Estimated Cost in Figures | | | | 5,90,547.00 |
| 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/-
D.M (Elect) I/C**

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