

THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**JANAPATH, BHOINAGAR, BHUBANESWAR - 22****[Electrical Division]****Ph: 0674-2541545, 2542921, Fax: 0674-2541543****E-mail :- pmelectricalophwc2021@gmail.com, Website: www.ophwc.com /www.ophwc.nic.in****PRICE BID FOR THE WORK UNDER SL. NO :- 02 AS PER IFB****NAME OF THE WORK :- SHIFTING OF LINE & SUB STATION FROM THE CONSTRUCTION SITE OF JMFC BUILDING, BANAPUR IN THE DISTRICT OF KHURDA.****BID REF NO :-35/DGM/ELECT/OPHWC/2024-25****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. |
| I | INSTALLATION OF 25 KVA S/S. | | | | |
| 1 | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.) | No | 2 | 29661.00 | 59322.00 |
| 2 | 9 Mtr. long 300 Kg. PSC Pole (For Raising of LT ABC) | No | 1 | 3900.00 | 3900.00 |
| 3 | Pole clamp for EYE hook for (XLPE Aerial bunched Cable) | Pair | 2 | 260.00 | 520.00 |
| 4 | EYE hook for XLPE Aerial bunched Cable | No | 2 | 78.00 | 156.00 |
| 5 | Dead End Clamp suitable for messenger XLPE Aerial bunched Cable | No | 2 | 84.50 | 169.00 |
| 6 | Top Channel GI 100X50X6mm,3000 mm Long) 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2) | Kg | 57.36 | 76.00 | 4,359.36 |
| 7 | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required | Kg | 3.54 | 97.50 | 345.15 |
| 8 | AB switch mounting channel 75x40x4.8 mm GI channel (7.14 kg/mtr,2 Nos.) | Kg | 42.84 | 76.00 | 3,255.84 |
| 9 | MU channel 75x40x4.8 mm GI channel ,3000 mm Long(7.14 kg/mtr,2 Nos.) | Kg | 42.84 | 76.00 | 3,255.84 |
| 10 | AB witch side support channel 100x50x6 mm GI channel (0.35Mtr Long)(9.56 kg/mtr,2 Nos.) | Kg | 6.69 | 76.00 | 508.44 |
| 11 | Channel support for down pipe 75x40x4.8 mm GI channel(7.14 kg/mtr,2 Nos.)each channel length 0.8 Mtr. | Kg | 5.711 | 76.00 | 434.04 |
| 12 | HG/DO fuse Mounting channel 75x40x4.8 mm GI channel(3000 mm Long) (7.14 kg/mtr,2 Nos.) | Kg | 42.84 | 76.00 | 3255.84 |
| 13 | Cantilever suport channel75x40x4.8 mm GI channel(810 mm Long,2 Nos.)(7.14 kg/mtr,2 Nos.) | Kg | 11.57 | 76.00 | 879.32 |

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|----|---|------|---------|----------|----------|
| 14 | Cantilever suport angle 50x50x6 mm GI (1282 mm Long)(4.5 kg/mtr,2 Nos.) | Kg | 11.54 | 76.00 | 877.04 |
| 15 | Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg) | Kg | 57.36 | 76.00 | 4359.36 |
| 16 | Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's) (Each 2x0.515x9.56= 9.85Kg) | Kg | 9.85 | 76.00 | 748.60 |
| 17 | Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x3.0x4.5 Kg) | Kg | 27 | 76.00 | 2052.00 |
| 18 | Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's) (Each 2x0.580x4.5= Kg) | Kg | 5.22 | 76.00 | 396.72 |
| 19 | LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's) (Each 2x1x4.5 Kg) | Kg | 9 | 76.00 | 684.00 |
| 20 | 50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For L.A and 2.5 Mtr for raising, 11 Mtr. For AB Switch ,2.8 Mtr. for HG Fuse, 5x2 Mtr. For DTR neutral,(13-4.5)mtr. For DTR Body, 0.500 Mtr. For LTDB & AB switch operating handle, 3 Mtr. for fencing.) | Kg | 154.816 | 97.50 | 15094.56 |
| 21 | LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 25 KVA S/S | No | 1 | 19409.00 | 19409.00 |
| 22 | 55mm ² All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.) | Mtr | 50 | 55.24 | 2762.00 |
| 23 | 4 Cx35 mm ² LT XLPE Cable(Armoured) - FOR 25 KVA Trf. | Mtr | 15 | 213.38 | 3200.70 |
| 24 | 11 KV AB switch (200 Amp, 3 pole) | Set | 1 | 9555.00 | 9555.00 |
| 25 | 11 KV HG Fuse (200 Amp, 3 pole) | Set | 1 | 7956.00 | 7956.00 |
| 26 | PG Clamp for 55 sq. mm AAAC | No | 6 | 624.00 | 3744.00 |
| 27 | Disc insulator (B&S)70 KN polymer | No | 3 | 1495.00 | 4485.00 |
| 28 | H W fitting (B&S)70KN(3bolted) | Pair | 3 | 455.00 | 1365.00 |
| 29 | 11 KV LA (12KV,10 KA)station class-2 | No | 3 | 4615.00 | 13845.00 |
| 30 | 11 KV Pin Insulator polymer type | No | 3 | 260.00 | 780.00 |
| 31 | HT Stay Set (Complete) | Set | 2 | 1365.00 | 2730.00 |
| 32 | HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos. | Pair | 2 | 162.50 | 325.00 |
| 33 | HT Stay Insulator | No. | 2 | 65.00 | 130.00 |
| 34 | 7/10 SWG Stay Wire , 15 Kg/stay | KG | 30 | 97.50 | 2925.00 |
| 35 | GI Pipe for earthing 40mm dia 3mtr long | No | 7 | 1365.00 | 9555.00 |
| 36 | GI Nut, Bolt & washers of different sizes | Kg | 25 | 101.40 | 2535.00 |
| 37 | GI barbed wire/Anticlimbing device | No | 6 | 104.00 | 624.00 |
| 38 | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510) | Kg | 2.4072 | 97.50 | 234.70 |
| 39 | Danger plate | Kg | 2 | 104.00 | 208.00 |

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|----|---|----------|--------|----------|-------------------|
| 40 | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510) | Kg | 0.6018 | 97.50 | 58.68 |
| 41 | Name Plate | No | 1 | 104.00 | 104.00 |
| 42 | Yellow colour paint for Background | Ltr | 2 | 216.00 | 432.00 |
| 43 | Black colour paint for numbering | Ltr | 1 | 286.00 | 286.00 |
| A | A. Sub total | | | | 191,822.18 |
| B | B. Stock, Storage & Insurance @ 3% of A | | | | 5,754.67 |
| C | Sub Total (C=A+B) | | | | 197,576.85 |
| D | T&P @ 2% of C | | | | 3,562.90 |
| E | Contingency @ 3% of C | | | | 5,927.31 |
| F | Transportation @ 7.5% of C | | | | 14,818.26 |
| G | Erection Charges @ 5% for transformer and joist pole cost including stock, storage & insurance @3% | | | | 3055.08 |
| H | Erection Charges @ 20% on PSC Poles | | | | 803.40 |
| I | Erection Charges @ 10% for other materials | | | | 11,302.61 |
| J | Total | | | | 237,046.41 |
| 44 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800 mm)=0.45 Cu. Mtr. | Cum | 0.9 | 6500.00 | 5850.00 |
| 45 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.113 Cu. Mtr. | Cum | 0.226 | 6500.00 | 1469.00 |
| 46 | Fixing of stay set with 0.5 cum cement concret foundation 1:3:6 size (900x 600x900 mm) using 40 mm BHG metal with all labour and material except stay wire, stay set,stay insulator. | No | 2 | 2250.00 | 4,500.00 |
| 47 | Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe. | No | 7 | 3700.00 | 25,900.00 |
| 48 | Laying of 4Cx95 sq. mm LT XLPE cable | Mtr | 15 | 46.80 | 702.00 |
| 49 | Supply and Erection of GI fencing with Gate | Sq. Mtr. | 15 | 3600.00 | 54,000.00 |
| 50 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr. | Cum | 0.375 | 6500.00 | 2437.50 |
| | | | | | 94,858.50 |
| | Sub total Rs | | | | 331,904.91 |
| II | CONSTRUCTION OF 11 KV LINE OF LENGTH 0.24 KM . | | | | |
| A | DP WITHOUT AB SWITCH | | | | |
| 1 | WPB (GI) Pole 160x152 (11 Mtr. Long, 30.44KG/Mtr.) | No | 2 | 29661.00 | 59322.00 |

| | | | | | |
|----|--|------|---------|---------|-------------------|
| 2 | Top Channel 100X50X6mm, 9.56 KG/Mtr., each channel length 2.3 mtr., 2 no's channel required =(2x9.56x2.3) | KG | 43.976 | 76.00 | 3342.18 |
| 3 | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280) | KG | 3.9648 | 97.50 | 386.57 |
| 4 | Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 1.66 Mtr., 4 no's channel required =(7.14x1.66x4) | KG | 47.4096 | 76.00 | 3603.13 |
| 5 | 50x50x6mm.GI Bracing Angle, 4.5Kg./mtr., each angle length 2.671 mtr., 4 nos angle required = (4.5x2.671x4) | KG | 48.078 | 76.00 | 3653.93 |
| 6 | Danger Plate, 2 no's. | No. | 2 | 104.00 | 208.00 |
| 7 | Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510) | KG | 0.6018 | 97.50 | 58.68 |
| 8 | H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair) | Pair | 2 | 162.50 | 325.00 |
| 9 | H.T. Stay set (Complete) | Set | 2 | 1365.00 | 2730.00 |
| 10 | H.T. Stay Insulator Type-C | No. | 2 | 65.00 | 130.00 |
| 11 | 7/10 SWG Stay Wire 15kg /stay | K.g. | 30 | 97.50 | 2925.00 |
| 12 | Gi Pipe Earthing 40mm. 3 Mtr. Long | No. | 1 | 1365.00 | 1365.00 |
| 13 | 50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5 mtr. For mesh formation and 2.5 mtr. For raising)= 5x2.36 | KG | 11.8 | 97.50 | 1150.50 |
| 14 | GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg) | Kg | 6 | 104.00 | 624.00 |
| 15 | Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510) | KG | 2.4072 | 97.50 | 234.70 |
| 16 | 11 KV pin insulator polymer | No. | 3 | 260.00 | 780.00 |
| 17 | H W fitting(B&S) 70KN, 3Bolt | No. | 6 | 455.00 | 2730.00 |
| 18 | Disc insulator (B&S) 70 KN polymer | No. | 6 | 1495.00 | 8970.00 |
| 19 | PG Clamp for 55 sq.mm AAA conductor | NO. | 6 | 624.00 | 3744.00 |
| 20 | GI Nut , Bolt & Washer of different sizes (12.261 Kg each DP without AB Switch) | K.g. | 12.261 | 101.40 | 1243.27 |
| 21 | Black colour paint for numbering | Ltr | 1 | 286.00 | 286.00 |
| 22 | Yellow Colour Paint for Background | Ltr | 2 | 216.00 | 432.00 |
| A | A. Sub total | | | | 98,243.94 |
| B | B. Stock, Storage & Insurance @ 3% of A | | | | 2,947.32 |
| C | Sub Total (C=A+B) | | | | 101,191.26 |
| D | T&P @ 2% of C | | | | 1,869.84 |
| E | Contingency @ 3% of C | | | | 3,035.74 |
| F | Transportation @ 7.5% of C | | | | 7,589.34 |
| G | Erection Charges @ 20 % on PSC poles | | | | |
| H | Erection Charges @ 5 % on Joist/WPB poles | | | | 3,055.08 |

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|-----------|---|---|-------|---------|-------------------|
| I | | Erection Charges @ 10% | | | 3,239.04 |
| J | | Total | | | 119,980.31 |
| 23 | Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5) Stay clamps with Nuts & bolts, including excvaton, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.) | No | 2 | 2250.00 | 4500.00 |
| 24 | Concreting Ratio 1:1:5:3(500 mmx500mmx1800mm)=0.45 Cu. Mtr. | Cum | 0.9 | 6500.00 | 5850.00 |
| 25 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr. | Cum | 0.225 | 6500.00 | 1462.50 |
| 26 | Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe. | No | 1 | 3700.00 | 3,700.00 |
| | | Total Material + Services Cost (J+K) | | | 135,492.81 |
| B | 11 KV CUT POINT WITH 180 DEGREE ANGLE | | | | |
| 1 | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2) | Kg | 22.94 | 76.00 | 1743.44 |
| 2 | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required | Kg | 5.286 | 97.50 | 515.39 |
| 3 | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306) | Kg | 5.85 | 76.00 | 444.60 |
| 4 | Danger Plate, 1 no's. | No. | 1 | 104 | 104.00 |
| 5 | Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510) | KG | 0.3 | 97.5 | 29.25 |
| 6 | GI barbed wire anticlimbing device 3 Kg. Per support | Kg | 3 | 104.00 | 312.00 |
| 7 | Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510) | KG | 1.2 | 97.50 | 117.00 |
| 8 | 11 KV pin insulator polymer | Set | 3 | 260.00 | 780.00 |
| 9 | H W fitting(B&S) 70KN, 3Bolt | No. | 6 | 455.00 | 2730.00 |
| 10 | Disc insulator (B&S) 70 KN polymer | No. | 6 | 1495.00 | 8970.00 |
| 11 | Earthing of Support (Coil Type) | No. | 1 | 215.80 | 215.80 |

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|----|---|---|----------|----------|------------------|
| 12 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing | No. | 0.26 | 97.50 | 25.35 |
| 13 | PG Clamp for 55 sq. mm AAA Conductor | No. | 6 | 624.00 | 3744.00 |
| 14 | GI Nut , Bolt & Washer of different sizes (11.31 Kg each 90 deg. Cut point) | No. | 3.55 | 101.40 | 359.97 |
| A | A. Sub total | | | | 20,090.80 |
| B | B. Stock, Storage & Insurance @ 3% of A | | | | 602.72 |
| C | Sub Total (C=A+B) | | | | 20,693.52 |
| D | T&P @ 2% of C | | | | 413.89 |
| E | Contingency @ 3% of C | | | | 620.81 |
| F | Transportation @ 7.5% of C | | | | 1,552.01 |
| | | Erection Charges @ 5% on WPB poles | | | |
| G | Erection Charges @ 10% | | | | 2,069.35 |
| H | Total | | | | 25,349.58 |
| C | 11 KV CUT POINT WITH 90 DEGREE ANGLE | | | | |
| 1 | WPB (GI) Pole 160x152 (11 Mtr. Long, 30.44KG/Mtr.) | No | 2 | 29661.00 | 59322.00 |
| 2 | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2) | Kg | 91.776 | 76.00 | 6974.98 |
| 3 | Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required | Kg | 21.1456 | 97.50 | 2061.70 |
| 4 | Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(42x9.56x0.306) | Kg | 23.40288 | 76.00 | 1778.62 |
| 5 | Danger Plate, 1 no's. | No. | 2 | 104 | 208.00 |
| 6 | Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510) | KG | 0.6018 | 97.5 | 58.68 |
| 7 | GI barbed wire anticlimbing device 3 Kg. Per support | Kg | 6 | 104.00 | 624.00 |
| 8 | Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510) | KG | 2.4072 | 97.50 | 234.70 |
| 9 | 11 KV pin insulator polymer | Set | 8 | 260.00 | 2080.00 |
| 10 | H W fitting(B&S) 70KN, 3Bolt | No. | 12 | 455.00 | 5460.00 |
| 11 | Disc insulator (B&S) 70 KN polymer | No. | 12 | 1495.00 | 17940.00 |
| 12 | Earthing of Support (Coil Type) | EA | 2 | 215.80 | 431.60 |
| 13 | No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr.- 2 Mtr. For connecting pole with Coil earthing | Kg | 0.524 | 97.50 | 51.09 |
| 14 | PG Clamp for 55 sq. mm AAA Conductor | EA | 12 | 624.00 | 7488.00 |
| 15 | HT Stay Clamp,50x8 mm , flat 3.14 kg/Mtr.,0.551 Length , 2Nos. | Pair | 4 | 162.50 | 650.00 |
| 16 | HT Stay Set (Complete) | Set | 4 | 1365.00 | 5460.00 |
| 17 | HT Stay Insulator | No. | 4 | 65.00 | 260.00 |

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|----|---|--------|--------|----------|-------------------|
| 18 | 7/10 SWG Stay Wire , 15 Kg/stay | KG | 60 | 97.50 | 5850.00 |
| 19 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole) | Kg | 14.866 | 101.40 | 1507.41 |
| 20 | Black Paint | EA | 1 | 286.00 | 286.00 |
| 21 | Yellow Colour Paint for Background | Kg | 4 | 216.00 | 864.00 |
| A | A. Sub total | | | | 119,590.77 |
| B | B. Stock, Storage & Insurance @ 3% of A | | | | 3,587.72 |
| C | Sub Total (C=A+B) | | | | 123,178.49 |
| D | T&P @ 2% of C | | | | 2,211.84 |
| E | Contingency @ 3% of C | | | | 3,695.35 |
| F | Transportation @ 7.5% of C | | | | 9,238.39 |
| | Erection Charges @ 5% on poles | | | | 3,055.08 |
| G | Erection Charges @ 10% | | | | 4,949.02 |
| H | Total | | | | 146,328.18 |
| 22 | Fixing of 11 KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire. 5)Stay clamps with Nuts & bolts, including excvation, supply of 0.5Cum cement concrete foundation 1:2:4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material (Excavation of earth will be done of size 500X500X1500 mm.) | No | 4 | 2250.00 | 9000.00 |
| 23 | Concreting ratio 1:1.5:3 (500mmX500mmX2200mm) = 0.55Cu.mtr | Cu.mtr | 0.9 | 6500.00 | 5850.00 |
| 24 | Couping ratio 1:1.5:3 with dimension (500X500X450)= 0.1125 Cu mtr | Cu.mtr | 0.225 | 6500.00 | 1462.50 |
| | Total Material + Services Cost | | | | 162,640.68 |
| D | 11 KV PIN POINTS WITH WPB | | | | |
| 1 | WPB GI Pole160X152(11 Mtr. Long ,30.44 Kg/Mtr.) | No | 5 | 29661.00 | 148305.00 |
| 2 | 11 KV V cross arm | No | 5 | 1053.00 | 5265.00 |
| 3 | Top Bracket 100x50x6 mm GI channel(2 Kg each) | No | 5 | 195.00 | 975.00 |
| 4 | Danger plate | No | 5 | 104.00 | 520.00 |
| 5 | Back clamp for Danger Plate 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 1 Nos=(1x0.59x0.510) | Kg | 1.5 | 97.50 | 146.25 |
| 6 | GI barbed wire/Anticlimbing device | No | 15 | 104.00 | 1560.00 |
| 7 | Back clamp for Anticlimbing Device 25x3 mm ,flat, 0.59 Kg/Mtr., flat of 0.510 Mtr. Length 4 Nos=(4x0.59x0.510) | Kg | 6.02 | 97.50 | 586.95 |
| 8 | 11 KV Pin Insulator Polymer,3 Nos.,required for each support | No | 15 | 260.00 | 3900.00 |
| 9 | Earthing of Support (Coil Type) | No | 5 | 215.80 | 1079.00 |

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|-----|---|-----|---------|----------|-------------------|
| 10 | No. 8 GI wire (dia 4.6 mm)0.131 Kg/Mtr.-2 Mtr. For connecting pole with coil earthing | Kg | 1.31 | 97.50 | 127.73 |
| 11 | GI Nut , Bolt & Washer of different sizes (7.433 Kg each cut pole) | Kg | 7.25 | 101.40 | 735.15 |
| 12 | 55 SQ. MM AAAC | Km | 0.7416 | 39000.00 | 28922.40 |
| 13 | Yellow colour paint for Background | Ltr | 10 | 216.00 | 2160.00 |
| 14 | Black colour paint for numbering | Ltr | 5 | 286.00 | 1430.00 |
| A | A. Sub total | | | | 195,712.48 |
| B | B. Stock, Storage & Insurance @ 3% of A | | | | 5,871.37 |
| C | Sub Total (C=A+B) | | | | 201,583.85 |
| D | T&P @ 2% of C | | | | 4,031.68 |
| E | Contingency @ 3% of C | | | | 6,047.52 |
| F | Transportation @ 7.5% of C | | | | 15,118.79 |
| | Erection Charges @ 5% on poles | | | | 7,637.71 |
| G | Erection Charges @ 10% | | | | 4,883.00 |
| H | Total | | | | 239,302.54 |
| 15 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.55 Cu. Mtr. | Cum | 2.25 | 6500.00 | 14625.00 |
| 16 | Couping Ratio 1:1:5:3(500 mmx500mmx450 mm)=0.1125 Cu. Mtr. | Cum | 0.5625 | 6500.00 | 3656.25 |
| | Total Material + Services Cost (J+K) | | | | 257,583.79 |
| III | 11 KV LINE PROTECTING GUARDING FOR ROAD CROSSING-2 SPAN | | | | |
| 1 | Guarding Channel 75X40X4.8 mm, 7.14 KG/Mtr., each channel length 2.2 mtr., 4 no's channel required =(4x7.14x1.2) | Kg | 125.664 | 76.00 | 9550.46 |
| 2 | No-6 GI wire (0.192 Kg/Mtr.)for main string | Kg | 61.44 | 97.50 | 5990.40 |
| 3 | No-8 GI wire (0.131 Kg/mtr.)for lacing | Kg | 13.1 | 97.50 | 1277.25 |
| 4 | Eye Bolt(236 mm,16 mm dia,1.577 Kg/mtr.) | No | 8 | 78.00 | 624.00 |
| 5 | GI Pipe earthing 40 mm dia 3 Mtr. Long | No | 4 | 1365.00 | 5460.00 |
| 6 | 50x6mm GI Flat for earthing, 2.36kg/mtr. | Kg | 101.008 | 97.50 | 9848.28 |
| A | TOTAL MATERIAL COST (FOR-2020-21) | | | | 32,750.39 |
| B | Stock, Storage & Insurance @ 3% of A | | | | 982.51 |
| C | Sub Total (C=A+B) | | | | 33,732.91 |
| D | Contingency @3% of C | | | | 1,011.99 |
| E | T & P 2% of C | | | | |
| F | Transportation @ 7.5% of C | | | | 2,529.97 |
| G | Erection Charges for PSC Pole @ 20% | | | | |
| H | Erection Charges of DTR and Joist Poles @ 5% | | | | |
| I | Erection Charges of other @ 10% | | | | 2,810.91 |
| J | Sub Total Rs. | | | | 40,085.77 |

| | | | | | |
|-------------------------|---|---------|------|----------|---------------------|
| 7 | Construction of earthing chamber including installation of earthing pipe.Making earthing chamber including excavation, soil treatment with betonide powder, calculation of earth resistance,including installation of 3 Mtr. GI Pipe 40/50 mm including welding of GI flat around pipe. | No | 4 | 3700.00 | 14,800.00 |
| | Total Rs. | | | | 54,885.77 |
| IV | DISMANTLING CHARGES | | | | |
| 1 | Dismatling of 9 Mtr. Long PSC Pole | No | 3 | 900.00 | 2700.00 |
| 2 | Dismatling of Line DP | No | 1 | 1800.00 | 1800.00 |
| 3 | Dismatling of 25 KVA ,11/0.4 KV pole mounted DP | No | 1 | 1500.00 | 1500.00 |
| 4 | Reinstallation of 25 KVA 11/0.4 KV Transformer | No | 1 | 10000.00 | 10000.00 |
| 5 | Dismatling of 11 KV V cross Arm | No | 3 | 41.40 | 124.20 |
| 6 | Dismatling of 11 KV GI pin with insulator | No | 9 | 8.10 | 72.90 |
| 7 | Dismatling of MS Channel | Kg | 100 | 7.92 | 792.00 |
| 8 | Dismatling of 34/55 sq. mm AAAC | Km | 0.45 | 6300.00 | 2835.00 |
| 9 | Dismatling of 148/232 sq. mm AAAC | Km | 1.35 | 10800.00 | 14580.00 |
| 10 | Dismatling of of LT AB cable | Mtr. | 1220 | 22.50 | 27450.00 |
| | Total Rs.(dismantling) | | | | 61854.10 |
| | Total Rs. | | | | 1,029,711.63 |
| | Cess @ 1% | | | | 10,297.12 |
| | Total Estimated Cost | | | | 1,040,008.75 |
| | Total Estimated Cost in Figures | | | | 1,040,009.00 |
| 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 I/C (Elect)

Sd/-
DGM Engg. (Elect)