

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.  
JANPATH, BHUBANESWAR-22.**

**Tel: 0674 2541545; Fax: 0674 2541543; E-mail : [jmelectricalophwc@gmail.com](mailto:jmelectricalophwc@gmail.com)**

**Web: [ophwc.nic.in](http://ophwc.nic.in)**

**BID REFERENCE NO: - 16/ 2015-16/ELECT/ OPHWC**

**SCHEDULE OF EXTERNAL ELECTRIFICATION WORK OF PTI SOLARA  
BAYREE IN THE DIST. OF JAJPUR.**

**SOLD TO : M/S \_\_\_\_\_**

\_\_\_\_\_

**MONEY**

**RECEIPT NO : \_\_\_\_\_**

**DATE : \_\_\_\_\_**

[SIGNATURE OF ISSUING OFFICER]

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANPATH, BHUBANESWAR-22.**  
**Tel: 0674 2541545; Fax: 0674 2541543; E-mail : jmelectricalophwc@gmail.com**  
**Web: ophwc.nic.in**

**TENDER CALL NOTICE**  
**BID REFERENCE NO: - 16/ 2015-16/ELECT/ OPHWC**

1. Sealed tender in the prescribed form with detailed Tender Call Notice for execution of external electrification and Area illumination work of different projects are invited in single cover system from the enlisted H.T. / M.V.( M.V. Contractors only participated with Area illumination works) electrical contractors/Firms under O.P.H.W.C., Bhubaneswar including supply of materials as per the specification. Tender to be submitted separately for each project.

| Sl.No | Name of the Project  | Estimated Cost  | EMD          | Cost of tender paper including vat | Period of completion | Eligibility Range     |
|-------|--|-----------------|--------------|------------------------------------|----------------------|-----------------------|
| 1     | Area Illumination work of Laxmipur Poli Police Station in the Dist. of Koraput.                                    | Rs.3,007,80.00  | Rs.3,008.00  | Rs.2,100.00                        | 45 days              | Up to 10 lakh & above |
| 2     | External electrification work of 12-F type Qtr. at OSAP 6 <sup>th</sup> . BN. Cuttack in the Dist. of Cuttack.     | Rs.6,85,909.00  | Rs.6,859.00  | Rs.4,200.00                        | 45 days              | Up to 10 lakh & above |
| 3     | External electrification work of Nuagada Fire Station in the Dist. of Gajapati.                                    | Rs.6,69,043.00  | Rs.6,690.00  | Rs.4,200.00                        | 45 days              | Up to 10 lakh & above |
| 4     | External electrification work of 6-F type Qtr. at Tulasipur in the Dist. of Cuttack.                               | Rs.4,27,590.00  | Rs.4,276.00  | Rs.2,100.00                        | 45 days              | Upto 10 lakh & above  |
| 5     | External electrification work of DPO Building at Cuttack in the Dist. of Cuttack.                                  | Rs.10,99,349.00 | Rs.10,993.00 | Rs.6,300.00                        | 45 days              | 10 lakh above         |
| 6     | External electrification work of 1-D , 2-E and 6-F type Staff Qtr at Adaspur Fire Station in the Dist. of Cuttack. | Rs.4,26,310.00  | Rs.4,263.00  | Rs.2,100.00                        | 45 days              | Upto 10 lakh & above  |

|           |  |                 |              |             |         |                      |
|-----------|--|-----------------|--------------|-------------|---------|----------------------|
| <b>7</b>  | Shifting and reconstruction of 11 KV Line at Court Building at Jagatsinghpur.                              | Rs.2,06,261.00  | Rs.2,063.00  | Rs.2,100.00 | 45 days | Upto 10 lakh & above |
| <b>8</b>  | External electrification work of Hemagiri Fire Station in the Dist. of Sundergarh.                         | Rs.3,91,258.00  | Rs.3,913.00  | Rs.2,100.00 | 45 days | Upto 10 lakh & above |
| <b>9</b>  | External electrification work of 2-E type Qtr. at Vigilance Office in the Dist. of Sundergarh.             | Rs.5,45,487.00  | Rs.5,455.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| <b>10</b> | External electrification work of Rayagada Fire Station in the Dist. of Gajapati.                           | Rs.9,68,228.00  | Rs.9,682.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| <b>11</b> | External electrification work of Narayanapatna Police Station in the Dist. of Koraput.                     | Rs.5,47,785.00  | Rs.5,479.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| <b>12</b> | External electrification work of JCO Mess at 1 <sup>st</sup> IRBN. , Koraput in the Dist. of Koraput.      | Rs.3,25,765.00  | Rs.3,258.00  | Rs.2100.00  | 45 days | Upto 10 lakh & above |
| <b>13</b> | External electrification work of 6-F type Qtr. at 1 <sup>st</sup> IRBN. , Koraput in the Dist. of Koraput. | Rs.6,38,576.00  | Rs.6,386.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| <b>14</b> | Shifting of 100 KVA Sub-Station at PTI Solara Bayree in the Dist. of Jajpur.                               | Rs.12,04,441.00 | Rs.12,044.00 | Rs.6,300.00 | 45 days | 10 lakh above        |
| <b>15</b> | External electrification work of Ambabhona Fire station in the Dist. of Bargarh.                           | Rs.1,96,048.00  | Rs.1,960.00  | Rs.6,30.00  | 45 days | Upto 10 lakh & above |
| <b>16</b> | External electrification work of 1-D,2-E and 4-F type Qtr. at Sundargarh Fire Station in the dist. of      | Rs.6,31,903.00  | Rs.6,319.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |

|    |  |                 |              |             |         |                      |
|----|--|-----------------|--------------|-------------|---------|----------------------|
|    | Sundergarh.  |                 |              |             |         |                      |
| 17 | External electrification work of 100 Men Barrack SPO at Reserve Police Line Sundergarh in the Dist. of Sundergarh.                                 | Rs.6,80,876.00  | Rs.6,809.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| 18 | External electrification work of 1-D,2-E and 6-F type Qtr. at Bramhagiri Fire Station in the dist. of Puri.  | Rs.6,93,586.00  | Rs.6,936.00  | Rs.4,200.00 | 45 days | Upto 10 lakh & above |
| 19 | Area Illumination work of 100 Men Barrack at Tuhilamaal in the Dist. of Deogarh. .   | Rs.3,46,100.00  | Rs.3,461.00  | Rs.2,100.00 | 45 days | Upto 10 lakh & above |
| 20 | LT Extension to 2-D and 6-E type Qtr. at 2 <sup>nd</sup> IRBN. , Bhamini in the Dist. of Rayagada  | Rs.2,99,158.00  | Rs.2,992.00  | Rs.2,100.00 | 45 days | Upto 10 lakh & above |
| 21 | External electrification work of Adminstrative Building , Academic Building( A and B Wing) of commandant PTI Solara Bayree in the Dist. of Jajpur. | Rs.19,06,619.00 | Rs.19,066.00 | Rs.6,300.00 | 45 days | 10 lakh above        |

2. The tender document may be obtained on payment of the tender paper cost as mentioned in the Column – 5 of the above table [Non refundable] for each project between 10.00 A.M. to 05.00 P.M on each working day from the office of the undersigned at the Address given above of O.S.P.H.&WC at Bhubaneswar on or before Dt. 04/11/2015 .Tender document can also be obtained through speed post by sending a self addressed envelope of size 35 cm x 25 cm along with a Demand Draft / Pay Order of the tender paper cost as mentioned in the Column – 5 of the above table and Rs. 200.00 (Rupees two hundred only ) extra for purchased by post[Non refundable] for each project on any scheduled Bank, payable at Bhubaneswar, drawn in favour of the **“The Odisha State Police Housing &Welfare corporation Ltd.”**. However, such request must be received by the undersigned on or before the last date for issue of tender document. The O.S.P.H.&W.C. authorities shall not be responsible for postal or other delays. The tender document will also be available from the web site [www.ophwc.nic.in](http://www.ophwc.nic.in) and the same can be

downloaded to be used for tender offer. However in case of downloaded tender documents an amount of the tender paper cost as mentioned in the Column – 5 of the above table [Non refundable] for each project in shape of Demand Draft / Pay Order drawn on any scheduled Bank, is payable at Bhubaneswar in favour of the **“The Odisha State Police Housing & Welfare Corporation Ltd.”** along with the tender , failing which tender shall be liable for rejection.

3. The bidders are requested to submit the receipt of showing cost of tender paper along with the attested copies of valid H.T./MV license from ELBO, Income tax return copy, PAN , TIN, up to date VAT clearance certificate along with bid documents otherwise the bid shall be liable for rejection.
4. **EMD** - The tender shall be accompanied with EMD as mentioned above in shape of D.D. / Pay order drawn on any Nationalized Bank in favour of the **“The Odisha State Police Housing & Welfare corporation Ltd.”**, failing which the tender shall be rejected.
5. Other details can be seen in the tender documents.
6. Bids submitted otherwise than in the manner prescribed in the tender document shall be rejected.
7. The bidding document should be super scribed “Tender for external electrification works, Tender No., Name of the Project etc.” / “Tender for area illumination works, Tender No., Name of the Project etc.”
8. The tender document is available from :10 AM on Dt.17. 10 .2015
9. Last date for issue of tender document is up to : 05.00 PM on Dt.04 .11.2015
10. Last date for receipt of tender document is up to : 12.30 PM on Dt. 07 .11.2015
11. Date of opening of bid at : 03.30 PM on Dt.07 .11.2015
12. The authority reserves the right to reject any or all the bids without assigning any reason thereof.
13. An affidavit is to be furnish by the bidder at the time of submitting bid document that he is not blacklisted / defaulter contractor or Firm etc. The authority reserves the right to reject any or all the bids without assigning any reason thereof and can impose any conditions as deemed proper before finalisation of tender.

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

**GENERAL CONDITION OF THE CONTRACT**  
**BID REFERENCE NO: - 16/ 2015-16 /ELECT/ OPHWC**

1. The tender document shall be accompany with the EMD as above only in shape of Demand Draft / Pay Order drawn on any Nationalized Bank payable at Bhubaneswar in favour of the “**The Odisha State Police Housing & Welfare Corporation Ltd.**” failing which the tender shall be rejected.
2. The bidders are requested to submit the receipt of showing cost of tender paper along with the attested copies of valid H.T. license from ELBO, Income tax return copy,PAN, TIN , up to date VAT clearance certificate and VAT registration certificate along with bid documents otherwise the bid shall be liable for rejection. The latest authenticated documentary proof shall be submitted. The proof submitted earlier in some other contest shall not be treated as valid and sufficient.
3. The bid must accompany proof of executing same nature of work as per eligibility criteria mentioned in tender call notice in Govt. / Govt. Undertaking. Departments. The copy of work order and completion certificates in support of credential should be enclosed with the tender otherwise the bid shall be rejected.
4. The bidding document should be super scribed “Tender for external electrification works, Tender No., Name of the Project etc.” / “Tender for area illumination works, Tender No., Name of the Project etc.”
5. The tenders (also called bids) not submitted in prescribed format or in prescribed manner, shall be rejected at the risk and responsibility of bidder.
6. All the information as called for in the tender document should be submitted truly, clearly, legible, transparently, unambiguously and without the use of abbreviations. It shall be submitted in English only.
7. All the crucial figures, like rates and amount should be written in figures followed by words in a bracket.
8. There shall be no over writing in the tender document and other papers submitted. All additions, alternations, deletions and cutting should be initialed with rubber-stamp (or seal) by the same person, who signs the tender document, failing which so, the tender may be rejected.
9. All the rates and amounts shall be quoted in Indian Rupee and shall be presumed to be in Indian Rupee only unless specifically permitted to be quoted otherwise in this tender document.

10. Each page of this tender document should be signed by the bidder with seal in token of having read, understood and accepted the terms and conditions of this contract.
11. Use separate piece of paper where the space provided in the formats in this tender document for submission of information is not sufficient.
12. The contractor shall stand for guarantee against defective materials / manufacturing defects(except lamp in case of Area illumination work) and workmanship for the work carried out by him for a period of **24** months from its commissioning /handing over & make good /repair/replace the faults during this period without any extra cost, failing which the same shall be got done at the risk and cost of the contractor. The work shall be supervised by the qualified supervisor from the contractor's side.
13. All information submitted or supplied in the formats of this tender document shall be presumed to be true to the best of knowledge of bidder.
14. The firms not having VAT Registration certificate shall not be eligible for submitting the bids. The blacklisted firms shall also not be eligible for participating in the bid.
15. The tenders/bids can be sent by post or courier as well. However, authorities shall not be responsible for postal or delays in receipt of bids.
16. If the last date for receipt of the tender/bid turns out to be a holiday, it will automatically be extended to next working day.
17. A bid submitted can not be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders. They will not participate in the discussions. Clarification sought, if any may be provided by them.
18. All or any of the tenders /bids submitted can be rejected without assigning any reason thereof. No claim, whatsoever, shall be admissible for the alleged loss/damages suffered by bidders on account of such rejections.
19. Bids shall be opened in the presence of the bidders or their authorized representative.
20. Prices quoted for each item shall be inclusive of all i:e. taxes and duties, excise duty, service taxes, loading, unloading, transportation, insurance, watch and ward etc.
21. Advance payment /part payment will not be entertained before completion and handing over the work.
22. No claim can be made due to some unforeseen delay for release of payment.
23. Payment of bill will be made only after completion of the work in all respects i.e. commissioning, testing, inspection of work by the electrical inspector, execution of agreement between user authority and distribution Company authority before charging of

sub station / Line and handed over the work to the *distribution Company. In case of Area Illumination Work payment of bill will be made only after completion of the work in all respects i.e. commissioning, testing and handed over the work to the user authority.*

24. All the transit risk shall be responsibility of the contractor.
25. Failure to complete the work in full within the stipulated period may lead to forfeiture of EMD and blacklisting of the contractor/firm.
26. The authorities are not bound to accept the lowest quoted rate.
27. Terms and conditions of this tender document cannot be negotiated for variations.
28. The authority reserves the right to reject any or all tender in whole or part without assigning any reason and can impose any other condition(s) as deemed proper before or in course of finalisation of the tender.
29. The approved tender may be cancelled by the authority any time during validity without assigning any reason thereof and no claim can lie against OPHW&C for such cancellation.
30. All materials required for the work should be approved brand of the concerned Distribution company / OPHWC as per the given specification and brand. Before take up the work  
A.P.M (Electrical) shall verify/ certify the quality of materials.
31. Before installation of the transformer E&MR certificate shall be submitted along with CPRI certificate and guarantee certificate of the transformer shall be submitted.
32. LT bushing cover and tap changer shall be provided.
33. All the disputes shall be subject to Jurisdiction of Civil Courts situated at Bhubaneswar.

**Signature & seal of the Bidder.**

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

**GENERAL BID FORM**  
**BID REFERENCE NO: - 16/ 2015-16/ELECT/ OPHWC**

**1.Name :**

**Full Address :**

**Fax No :**

**Telephone No :**

**E-mail address of the firm :**

**2.Legal Status of the firm :**

**3.Give the location and Address of your Office/ Branch office :**

**4.Kindly confirm by writing” Yes” of “No” only**

**[A] Have you enclosed the EMD? If yes, mention the amount and its identifying details.**

**[B] Have you enclosed the valid H.T./ M.V. License?**

**[C] Have you enclosed the VAT clearance certificate?**

**[D] Have you enclosed the PAN card?**

**[E] Have you enclosed the audited balance sheet?**

**[F] Copies of assessment return of sales tax and income tax of last three years.**

**[G] Have you enclosed all the documents and papers called for in this tender document?**

Kindly enclose a list. (Use a separate sheet of paper)

**[H] If the answer to [G] above is ‘No’, which of the Documents / papers called for in the tender document have not enclosed.**

(Kindly enclose a list of such document/papers – Use separate Sheet of paper, if necessary)

**Signature & seal of the Bidder.**

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

**OFFICE OF THE CHAIRMAN-CUM- MANAGING DIRECTOR.**

**ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD., BHUBANESWAR.**

**BILL OF QUANTITY**

**TENDER NO.- 16/2015-16/ ELECT/OPHWC**

**NAME OF THE WORK :-SHIFTING OF 100 KVA SUB-STATION AT PTI SOLARA BAYREE IN THE DIST. OF JAJPUR.**

| <b>Sl. No.</b> | <b>NAME OF THE PROJECT</b>  | <b>SCOPE OF WORK</b>   | <b>QUOTED RATE INCLUSIVE OF ALL IN FIGURE</b> | <b>QUOTED RATE INCLUSIVE OF ALL IN WORD.</b> |
|----------------|---|--|---|--|
| 1              | <b>SHIFTING OF 100 KVA SUB-STATION AT PTI SOLARA BAYREE IN THE DIST. OF JAJPUR.</b> | <p>I. Construction of 3 ph 3 wire 11 KV OH line using 9 Mtr. Long 300 KG PSC Pole with 55 sq.mm AAA Conductor -2.0 KM</p> <p>II. Shifting and Relocation of 100 KVA 11/0.4KV Plinth .mounted sub station using 9 Mtr. Long 300 KG PSC Pole alongwith Birbed Wire Fencing , with Const. of Retaining wall, erection of RCC Fencing post, sand filling, Grill gate. ,Sand and metal spreading - 1 No.</p> <p>III. Construction of 3ph 5 W LT Line using 8 mtr. long 200 KG PSC Pole with 3x50+1x35+1x16 sq.mm AB cable -0.7 KM</p> <p>IV. Construction of 11 KV M.U.D.P Structure with 9 Mtr. Long 300 KG PSC Pole-1 No.</p> |   |  |

**Seal & Signature of the Contractor**

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

Sd/-  
**I/C Elect. (Hqr.)**

**OFFICE OF THE CHAIRMAN-CUM- MANAGING DIRECTOR.**  
**ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.,**  
**BHUBANESWAR.**

**BILL OF QUANTITY**

**TENDER NO.- 16/2015-16/ ELECT/OPHWC**

**NAME OF THE WORK :-SHIFTING OF 100 KVA SUB-STATION AT PTI SOLARA BAYREE IN THE DIST. OF JAJPUR.**

|                  |   |             |            |
|------------------|---|-------------|------------|
| <b>SCOPE [A]</b> | <b>I. Construction of 3 ph 3 wire 11 KV OH line using 9 Mtr. Long 300 KG PSC Pole with 55 sq.mm AAA Conductor -2.0 KM</b>   |             |            |
| <b>SCOPE [B]</b> | <b>II. Shifting and Relocation of 100 KVA 11/0.4KV Plinth .mounted sub station using 9 Mtr. Long 300 KG PSC Pole alongwith Birbed Wire Fencing , with Const. of Retaining wall, erection of RCC Fencing post, sand filling, Grill gate. ,Sand and metal spreading - 1 No.</b> |             |            |
| <b>SCOPE [C]</b> | <b>III. Construction of 3ph 5 W LT Line using 8 mtr. long 200 KG PSC Pole with 3x50+1x35+1x16 sq.mm AB cable -0.7 KM</b>  |             |            |
| <b>SCOPE [D]</b> | <b>IV. Construction of 11 KV M.U.D.P Structure with 9 Mtr. Long 300 KG PSC Pole-1 No.</b>   |             |            |
| <b>Sl no</b>     | <b>Description of Meterials</b>   | <b>Unit</b> | <b>Qty</b> |
| <b>SCOPE [A]</b> | <b>I. Construction of 3 ph 3 wire 11 KV OH line using 9 Mtr. Long 300 KG PSC Pole with 55 sq.mm AAA Conductor -2.0 KM</b>   |             |            |
| <b>SL. NO.</b>   | <b>Description of Materials</b>   | <b>Unit</b> | <b>Qty</b> |
| 1                | 300Kg 9Mtr long PSC pole  | No          | 34         |
| 2                | 11 KV Cross Arm (10.2 Kg each)  | No          | 32         |
| 3                | Top bracket 75x40mm Ms channel (1.3Kg each)/for 11kv line   | No          | 32         |
| 4                | Back Clamp for V cross Arm 1.70Kg each for 11Kv "V"   | Pair        | 32         |
| 5                | 11 KV GI Pin  | No.         | 100        |
| 6                | 11 KV Pin Insulator   | No          | 100        |
| 7                | 11KV H/W fitting (B&S)  | No          | 18         |
| 8                | 11KV Disc insulator(B&S)  | No          | 36         |
| 9                | H.T stay set (complete)   | Set         | 4          |
| 10               | H.T stay insulator  | No.         | 9          |

|                      |   |             |            |
|----------------------|---|-------------|------------|
| 11                   | Fixing and of stay set with 0.5Cum cement<br>concret foundation 1:3:6<br>size(900mmx600mmx900mm) using 40mm<br>BHG metal with all labour and material except<br>stay set, stay wire, stay insulator.  | No.         | 4          |
| 12                   | H.T stay clamp(1.95Kg/Pair)   | Pair        | 4          |
| 13                   | 7/10 GI Stay Wire 10kg/stay   | Kg          | 40         |
| 14                   | Earthing of support (Coil Type)   | No          | 34         |
| 15                   | 55mm <sup>2</sup> AAAC  | Km          | 6.15       |
| 16                   | Concrete slab for base plate size 2'x2'x2"<br>thickness for each PSC pin point  | No.         | 32         |
| 17                   | Concreting of support C.C-1:4:8 using 40mm<br>BHG metal size-5'x2'x2'=20CFT = 0.570Cum<br>Padding 900x600x150mm = 0.081<br>cum),Total=0.651 cum@3071.25=1999.38each   | No.         | 2          |
| 18                   | Red Oxide Paint   | Ltr         | 4          |
| 19                   | Alm. Paint  | Ltr         | 4          |
| 20                   | GI Barbed wire anticlimbing device 2Kg per<br>support   | Kg          | 68         |
| 21                   | 100x50x6 mm MS channel for 3nos Cut point   | Kg          | 130        |
| 22                   | MS Nut,Bolt and Washer of dfferent sizes  | Kg          | 102        |
| 23                   | Sundries for survey ,tree cutting ,small size nut<br>bolt,Allm Binding wire, tape etc   | Ls          | 2          |
| <b>SCOPE<br/>[B]</b> | <b>II. Shifting and Relocation of 100 KVA 11/0.4KV Plinth .mounted sub station using 9<br/>Mtr. Long 300 KG PSC Pole alongwith Birbed Wire Fencing , with Const. of Retaining<br/>wall, erection of RCC Fencing post, sand filling, Grill gate. ,Sand and metal spreading -<br/>1 No.</b> |             |            |
| <b>SL. NO.</b>       | <b>Description of Materials</b>   | <b>Unit</b> | <b>Qty</b> |
| 1                    | 300 Kg 9 mtr long PSC pole  | No.         | 2          |
| 2                    | Pressure Channel 100x50x6mm MS channel<br>each 2.8 mtr long (9.2 K.g per mtr) x 2 Nos.  | K.g         | 51.52      |
| 3                    | Transofrmer mounting channel 100x50x6mm<br>MS channel each 2.8mtr Long (9.2Kg per mtr.)<br>x 2 Nos  | K.g         | 51.52      |
| 4                    | AB Switch & HG fuse mounting Channel<br>(75x40x6mm) 2.8 mtr long 4 nos (6.8 kg/mtr)   | Kg          | 76.16      |

|    |  |      |      |
|----|--|------|------|
| 5  | Cantilever channel for supporting AB switch arm, 75x40x6 mm -1mt long,2nos(6.8 K.g/mtr)  | K.g  | 13.6 |
| 6  | Cantilever channel for supporting HG fuse, 75x40x6 mm -1mt long,2nos(6.8 K.g/mtr)  | K.g  | 9    |
| 7  | Angle for Cantilever arrangement for AB Switch & HG fuse 50x50x6-2 mtr each 2 nos.(4.5 K.g per mtr.)   | K.g  | 18   |
| 8  | Transformer belting Angle 50x50x6 mm- 2.8 mtr. Long 2 nos.(4.5 K.g per mtr) with side angle (Total 7 mtr.)   | K.g  | 31.5 |
| 9  | Angle for Mounting LT distribution Box 50x50x6 mm Angle -2.5 mtrs each Long 2 nos.(4.5 K.g. Per mtr.)  | K.g  | 22.5 |
| 10 | 11 KV AB switch 3 pole (200 Amp)   | Set  | 1    |
| 11 | 11 KV HG fuse 3 pole (400 Amp)   | Set  | 1    |
| 12 | 11 KV LA.12KV -10KA  | No.  | 3    |
| 13 | H.T Stay set (Complete )   | Set  | 2    |
| 14 | HT Stay Insulator  | No.  | 2    |
| 15 | HT Stay Clamp(1.95Kg/Pair)   | Pair | 2    |
| 16 | 7/10 SWG stay wire   | Kg   | 20   |
| 17 | GI Pipe earthing 40mm Dia Medium gauge 3mtr long   | No.  | 5    |
| 18 | No 6 GI wire   | Kg   | 20   |
| 19 | 40x6mm GI Flat for nutral  | Kg   | 20   |
| 20 | Fixing and of stay set with 0.5Cum cement concret foundation 1:3:6 size(900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set, stay wire, stay insulator. | No.  | 2    |

|                  |   |      |      |
|------------------|---|------|------|
| 21               | Concreting of support C.C-1:4:8 using 40mm BHG metal size-5'x2'x2'=20CFT = 0.570Cum Padding 900x600x150mm = 0.081 cum),Total=0.651 cum@3071.25=1999.38each                                    | No.  | 2    |
| 22               | Couping of support section 15"x15"(3.9CFt)height 2'6"(1'6" above GL& 1' below G.L) in C.C 1:2:4 using 12mm BHG metal & curing for 5 days  | No.  | 2    |
| 23               | Materials for Massionary work for earth Pit, Charcoal, Salt etc including construction of earthing chamber (size 2"x2") and RCC slab cover  | No.  | 5    |
| 24               | 55 mm <sup>2</sup> AAAC   | Km   | 0.04 |
| 25               | Red Oxide Paint   | Ltr  | 3    |
| 26               | Alm. Paint  | Ltr  | 4    |
| 27               | MS nut,Bolt & washer  | Kg   | 36   |
| 28               | 100KVA, 11/0.4KV 3 star rated TFR AL  | No.  | 1    |
| 29               | L.T Distrubution box including Kit Kat fuse with MCCB for 100KVA S/S(As per specification)  | No.  | 1    |
| 30               | 3 1/2 x 150mm <sup>2</sup> PVC Cable for 100 KVA TFR  | Mtr. | 25   |
| 31               | Plinth for TFR 6ft hight(below GL2ft)x5ftx5ft   | No.  | 1    |
| 32               | Barbed wire fencing (Size 15'x10') with construction of retaining wall,errection of RCC fencing post,sand filling and metal spreiding,fixing of iron grill gate with lock and key arrangement | No.  | 1    |
| 33               | Sundries for survey ,PVC tape,Ampire tape ,Danger board, small size nut & bolt preparation of drawing allm.socket etc.  | Ls   | 1    |
| <b>SCOPE [C]</b> | <b>III. Construction of 3ph 5 W LT Line using 8 mtr. long 200 KG PSC Pole with 3x50+1x35+1x16 sq.mm AB cable -0.7 KM</b>  |      |      |
| 1                | 200 Kg. 8 mtr long PSC pole   | No.  | 17   |
| 2                | Concrete slab for base place size 2ftx2ftx2" thickness for each PSC pole  | No.  | 17   |

|                  |   |      |      |
|------------------|---|------|------|
| 3                | LT Stay set complete  | Set  | 5    |
| 4                | 7/12 SWG GI Stay wire   | Kg   | 50   |
| 5                | LT Stay Clamp (1.4 Kg/Pair)   | Pair | 5    |
| 6                | LT Stay Insulator   | No.  | 5    |
| 7                | Fixing and concreting of stay set with 0.5Cum cement concret foundation 1:3:6 size(900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set, stay wire, stay insulator. | No.  | 5    |
| 8                | Dead End clamp  | No.  | 4    |
| 9                | Suspension clamp with I hook  | No.  | 14   |
| 10               | Nuts and Bolts  | No.  | 14   |
| 11               | Earthing of support   | LS   | 17   |
| 12               | AB Cable (3 x50 + 1x35 +1x16mm <sup>2</sup> )   | No.  | 0.72 |
| 13               | Sundries for survey ,tree cutting,insulated tape etc  | Ls   | 1    |
| <b>SCOPE [D]</b> | <b>IV.Construction of 11 KV M.U.D.P Structure with 9 Mtr. Long 300 KG PSC Pole-1 No.</b>  |      |      |
| 1                | 300Kg 9Mtr long PSC pole  | No   | 2    |
| 2                | 100x50x6 mm MS channel  | Kg   | 100  |
| 3                | 75x40x6mm MS Channel  | Kg   | 84   |
| 4                | 50x50x6mm MS Angle  | Kg   | 50   |
| 5                | 11KV Disc insulator(B&S)  | No   | 12   |
| 6                | 11KV H/W fitting (B&S)  | Pair | 6    |
| 7                | H.T stay set (complete)   | No   | 2    |
| 8                | 7/10 GI Stay Wire   | Kg   | 20   |
| 9                | H.T stay insulator  | No.  | 2    |
| 10               | H.T stay clamp (1.95 Kg each)(2Pair)  | Pair | 2    |
| 11               | Earthing Device(40 mm Dia.3 Mtr length)   | No   | 3    |
| 12               | Earthing complete with Supply of Charcoal,Salt etc.(Excluding earthing device)  | No.  | 3    |

|    |   |     |    |
|----|---|-----|----|
| 13 | 25x3mm G.I Flat for Earthing (3Nos)   | Kg  | 60 |
| 14 | Assorted size Nuts and bolts  | Kg  | 20 |
| 15 | MS Washer   | Kg  | 5  |
| 16 | All Cable socket of different sizes   | No. | 24 |
| 17 | Alluminium Binding wire/ Tape   | Kg  | 2  |
| 18 | Red Oxide Paint   | Ltr | 6  |
| 19 | Alm. Paint  | Ltr | 6  |
| 20 | Black paint   | Ltr | 2  |
| 21 | Concreting of Pole pits   | No  | 2  |
| 22 | Cooping of Pole pits  | No  | 2  |
| 23 | Fixing of stay set with 0.5 Cum Cement concrete foundation 1:3:6 size(900mmx600mmx900mm) using 40mm BHG metal with all labour and material except stay set, stay wire ,stay insulator | No  | 2  |
| 24 | Sundries  | Ls  | 1  |

Seal & Signature of the Contractor

Sd/-  
Asst. Project Manager (Elect.)

Sd/-  
I/C Elect. (Hqr.)