

**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: - 05 / 2014-15 /ELECT/ OSPH&WC**

**SCHEDULE OF TENDER FOR EXTERNAL ELECTRIFICATION WORKS FOR  
POWER SUPPLY TO 4-E +6-E TYPE STAFF QTRS. AT DIST. JAIL ANGUL IN THE DIST. OF  
ANGUL.**

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

\_\_\_\_\_

**MONEY**

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

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

[SIGNATURE OF ISSUING OFFICER]

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.  
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**TENDER CALL NOTICE**

**BID REFERENCE NO: - 05 / 2014-15 /ELECT/ OSPH&WC**

1. Sealed tender in the prescribed form with detailed Tender Call Notice for execution of external electrification works and Area illumination works 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.S.P.H&W.C., Bhubaneswar including supply of materials as per the specification. Tender to be submitted separately for each project.

<b>Sl.No</b>	<b>Name of the Project</b>	<b>Estimated Cost</b>	<b>EMD</b>	<b>Cost of tender paper including vat</b>	<b>Period of completion</b>	<b>Eligibility Range</b>
1	External electrification work of S.D.P.O. Office Cum Residence Building at Koraput in the dist. of Koraput.	Rs.3,02,184.00	Rs.3,022.00	Rs.2,100.00	45 days	Up to 10 lakh & above
2	External electrification work of Dist. Judge Court Building at Paralakhemundi in the dist. of Gajapati.	Rs.10,28,119.00	Rs.10,281.00	Rs.6,300.00	45 days	Above 10 lakh
3	External electrification work of Model Police Station at Malkangiri in the dist. of Malkangiri.	Rs.4,36,756.00	Rs.4,368.00	Rs.2,100.00	45 days	Up to 10 lakh & above
4	External electrification work of S.D.P.O. Office Cum Residence Building at Chitrakonda in the dist. of Malkangiri.	Rs.3,84,127.00	Rs.3,841.00	Rs.2,100.00	45 days	Up to 10 lakh & above

<b>5</b>	External electrification work of Model Police Station at Chitrakonda in the dist. of Malkangiri.	Rs. 6,07,320.00	Rs.6,073.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>6</b>	External electrification work ( LT Extension) of Officers accommodation at Town Police Station Malkangiri in the district of Malkangiri.	Rs.1,18,978.00	Rs.1,190.00	Rs.630.00	45 days	Up to 10 lakh & above
<b>7</b>	External electrification work ( LT Extension) of 2-D Type Qtr. at D.P.O. Campus Malkangiri in the district of Malkangiri.	Rs.1,57,976.00	Rs.1,580.00	Rs.630.00	45 days	Up to 10 lakh & above
<b>8</b>	External electrification work of 1-D+ 2-E+ 6-F Type Staff Qtrs. at Patnagarh Fire Station in the dist. of Bolangir.	Rs.5,18,632.00	Rs.5,186.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>9</b>	External electrification work of 1-D+ 2-E+ 6-F Type Staff Qtrs. at Gudvela Fire Station in the dist. of Bolangir.	Rs.5,55,774.00	Rs.5,558.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>10</b>	External electrification work of Deogaon Fire Station in the dist. of Kalahandi.	Rs.8,12,919.00	Rs.8,129.00	Rs.4,200.0	45 days	Up to 10 lakh & above
<b>11</b>	External electrification work of 6-F Type qtr. at Tarava Police Station , Sonapur in the dist. of Bolangir.	Rs.5,22,267.00	Rs.5,223.00	Rs.4,200.0	45 days	Up to 10 lakh & above
<b>12</b>	External electrification work of Mahimunda Fire Station in the dist. of Bolangir.	Rs.8,62,412.00	Rs.8,624.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>13</b>	External electrification work of Kantabanji Fire Station in the dist. of Bolangir.	Rs.8,77,398.00	Rs.8,774.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>14</b>	External electrification	Rs.11,36,922.00	Rs.11,369.00	Rs.6,300.00	45 days	Above 10

	work of 100 Men Barrack & New Police Station Building at Turekela in the dist. of Kalahandi.					lakh
<b>15</b>	Area illumination work at Patraput Out Post in the dist. of Nabarangpur.	Rs.3,36,208.00	Rs.3,362.00	Rs.2,100.00	45 days	Up to 10 lakh & above
<b>16</b>	Area illumination work at Khatiguda rural police station in the dist. of Nabarangpur.	Rs.3,67,950.00	Rs.3,680.00	Rs.2,100.00	45 days	Up to 10 lakh & above
<b>17</b>	Area illumination work at Singsari Out Post in the dist. of Nabarangpur.	Rs.3,36,208.00	Rs.3,362.00	Rs.2,100.00	45 days	Up to 10 lakh & above
<b>18</b>	Area illumination work at Badampada Out Post in the dist. of Nabarangpur.	Rs.3,36,208.00	Rs.3,362.00	Rs.2,100.00	45 days	Up to 10 lakh & above
<b>19</b>	External electrification work of 1-D+ 2-E+ 6-F Type Staff Qtrs. at Raikia Fire Station in the dist. of Ganjam.	Rs.5,42,466.00	Rs.5,425.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>20</b>	External electrification work of 1-D+ 2-E+ 6-F Type Staff Qtrs. at Kesinga Fire Station in the dist. of Kalahandi.	Rs.6,74,981.00	Rs.6,750.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>21</b>	External electrification work of Nachuni Out Post in the dist. of Khorda.	Rs.5,32,570.00	Rs.5,326.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>22</b>	External electrification work of 4-E+ 6-E Type Staff Qtrs. at Dist. Head Qtr. at Dhenkanal in the dist. of Dhenkanal.	Rs.7,27,508.00	Rs.7,275.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>23</b>	External electrification work of Staff Qtr. at Angul Jail in the dist. of Angul.	Rs.6,41,320.00	Rs.6,413.00	Rs.4,200.00	45 days	Up to 10 lakh & above

<b>24</b>	External electrification work of Gangadhar Fire Station in the dist. of Khurda.	Rs.5,38,809.00	Rs.5,388.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>25</b>	External electrification work of 5 Nos. Training Shed at 2 <sup>nd</sup> . Bn. OSAP Jharsuguda in the dist. of Jharsuguda.	Rs.5,60,244.00	Rs.5,602.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>26</b>	External electrification work of Balisankara Fire Station in the dist. of Sundergarh.	Rs.12,50,563.00	Rs.12,506.00	Rs.6,300.00	45 days	Above 10 lakh
<b>27</b>	External electrification work of Administrative Building at 2 <sup>nd</sup> . Bn. OSAP Jharsuguda in the dist. of Jharsuguda.	Rs.7,09,881.00	Rs.7,099.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>28</b>	External electrification work of Biramitrapur Police Station in the dist. of Sundergarh..	Rs.8,04,876.00	Rs.8,049.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>29</b>	External electrification work of Skill development Centre at Korkunda in the dist. of Malangiri.	Rs.3,16,718.00	Rs.3,167.00	Rs.2,100.00	45 days	Up to 10 lakh & above
<b>30</b>	External electrification work of BSF Camp at Bhejangwada in the dist. of Malkangiri.	Rs.7,48,303.00	Rs.7,483.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>31</b>	External electrification work of BSF Camp at Tentuliguda at Chintalwada in the dist. of Malkangiri.	Rs.7,39,047.00	Rs.7,390.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>32</b>	External electrification work of Ramachandi Rural Police Station in the dist. of Puri	Rs.9,06,635.00	Rs.9,066.00	Rs.4,200.00	45 days	Up to 10 lakh & above
<b>33</b>	External electrification work of 1-D+ 2-E+ 6-F Type Staff Qtrs. at Deogarh Fire Station	Rs.4,91,558.00	Rs.4,916.00	Rs.2,100.00	45 days	Up to 10 lakh & above

	in the dist. of Deogarh.					
34	Area illumination work at Reamal Police Station in the dist. Deogarh.	Rs.3,31,500.00	Rs.3,315.00	Rs.2,100.00	45 days	Up to 10 lakh & above
35	External electrification work of D.C.P. Office Building at Cuttack in the dist. of Cuttack.	Rs.23,57,871.00	Rs.23,579.00	Rs.6,300.00	45 days	Above 20 lakh

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.28.10.2014.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 card, TIN No, 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. 19.10.2014
9. Last date for issue of tender document is up to : 05.00 PM on Dt. 28.10.2014
10. Last date for receipt of tender document is up to : 12.30 PM on Dt. 01.11.2014
11. Date of opening of bid at : 03.30 PM on Dt. 01.11.2014
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 Manger (Elect.)**

**GENERAL CONDITIONS OF THE CONTRACT**  
**BID REFERENCE NO: - 05 / 2014-15 /ELECT/ OSPH&WC**

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 card, TIN No, upto 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 can not 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 / 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 Manger (Elect.)**

**GENERAL BID FORM**  
**BID REFERENCE NO: - 05 / 2014-15 /ELECT/ OSPH&WC**

**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 Manger (Elect.)**

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

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

**BILL OF QUANTITY**

**TENDER NO.- 5/2014-15/ ELECT/OSPH&WC**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORKS FOR POWER SUPPLY TO 4-E +6-E TYPE STAFF QTRS. AT DIST. JAIL ANGUL IN THE DIST. OF ANGUL.**

<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>4-E +6-E TYPE STAFF QTRS. AT DIST. JAIL ANGUL IN THE DIST. OF ANGUL.</b>	<p>I. Construction of 3 ph 3 wire 11 KV line using 11 mtr. Long 100 x 116 mm RS Joist with 55 sq.mm Insulated Conductor- 0.25 Km &amp; Guarding for Raod crossing - 2 spans</p> <p>II. Installation of 63 KVA ( 3 star rated transformer ) 11/0.4KV D.P. mounted sub station using 9 mtr. Long 100 x 116 mm R.S. Joist alongwith barbed wire fencing ( 15' x 10') with MS Grill Gate &amp; Metal spreading - 1 No.</p> <p>III. Construction of 3 ph 5 wire LT line using 8 mtr. long 200 KG PSC Pole with 3 x50+ 1x35+1x 16 sq.mm AB cable.-0.2KM</p>		

**Seal & Signature of the Contractor**

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

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

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

**BILL OF QUANTITY**

**TENDER NO.- 5/2014-15/ ELECT/OSPH&WC**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORKS FOR POWER SUPPLY TO 4-E +6-E TYPE STAFF QTRS. AT DIST. JAIL ANGUL IN THE DIST. OF ANGUL.**

<b>SCOPE [A]</b>	<b>I. Construction of 3 ph 3 wire 11 KV line using 11 mtr. Long 100 x 116 mm RS Joist with 55 sq.mm Insulated Conductor- 0.25 Km &amp; Guarding for Raod crossing - 2 spans</b>		
<b>SCOPE [B]</b>	<b>II. Installation of 63 KVA ( 3 star rated transformer ) 11/0.4KV D.P. mounted sub station using 9 mtr. Long 100 x 116 mm R.S. Joist alongwith barbed wire fencing ( 15' x 10' ) with MS Grill Gate &amp; Metal spreading - 1 No.</b>		
<b>SCOPE [C]</b>	<b>III. Construction of 3 ph 5 wire LT line using 8 mtr. long 200 KG PSC Pole with 3 x50+1x35+1x 16 sq.mm AB cable.-0.2KM</b>		
<b>Sl no</b>	<b>Description of Materials</b>	<b>Unit</b>	<b>Qty</b>
<b>SCOPE [A]</b>	<b>I. Construction of 3 ph 3 wire 11 KV line using 11 mtr. Long 100 x 116 mm RS Joist with 55 sq.mm Insulated Conductor- 0.25 Km &amp; Guarding for Raod crossing - 2 spans</b>		
<b>1</b>	100x116 mm Rs Joist 11 Mtr. Long (23.6 Kg / Mtr.)	<b>No</b>	<b>3</b>
<b>2</b>	Couping of support section 15"x15" (3.9cft ) height 2'-6" (1"-6" ) above G.L & 1'-0' below G.L ) in C.C 1:2:4 using 12 mm BHG metal & curing for 5 days.	<b>No</b>	<b>3</b>
<b>3</b>	Concreting of stay support c.c 1:4:8 using 40mm BHG metal size 5'x2'x2'=20CFT = 0.570 cum padding 900x600x150 mm =0.081 0.651cum @ 3071.25 = 1999.38 each	<b>No</b>	<b>3</b>
<b>4</b>	11 Kv F Clamp	No	1
<b>5</b>	11 KV V Cross Arm ( 10.2 kg ) @ Rs. 75 per kg ( MS GI)	No	1
<b>6</b>	Back Clamp for V Cross Arm ( 1.7 kg ) @ Rs. 75 per kg	No	1
<b>7</b>	150 x 50 x 6 MS Channel ( 9.2 kg / Mtr.)	kg	150
<b>8</b>	11 KV Disc Insulator ( B&S)	No	36
<b>9</b>	11 KV hard wire fitting ( B&S)	No	18
<b>10</b>	11 KV Pin Insulator	No	13
<b>11</b>	11 KV G.I. Pin	No	13
<b>12</b>	55mm <sup>2</sup> insulated Conductor	Km.	0.77
<b>13</b>	HT Stay Set (Complete)	No	4
<b>14</b>	Stay Insulator	No	4
<b>15</b>	HT Stay clamp ( 1.95 KG/PAIR)	Pair	4
<b>16</b>	7/10 SWG Stay Wire	Kg	40

17	Fixing and concreting of stay set with 0.5cum cement concrete foundation 1:3:6 size (900x600x900)mm using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator	No	4
18	Alluminium Paint	Ltr	5
19	Red Oxide Paint	Ltr	5
20	Black Paint	Ltr	1.5
21	G.I barbed wire anticlimbing device 2 kg. per support	Kg	6
22	MS Bolts, Nuts & washers	Kg	13
23	Coil earthing (No. 8 G.I wire for Support)	No	3
24	Sundries for survey tree cutting, small size nut bolt , Alm Binding wire / Tapr, Danger Board.	L.S.	0.25
	<b>Guarding for road crossing- 2 spans</b>		
25	75 x 40x 5 mm M.S. Channel	Kg	100
26	50 x50x 6 mm M.S.Angle ( 4.5 kg/ mtr.)	Kg	100
27	No-8 G.I. Stay wire ( Dia 4.6 mm)	Kg	100
28	I Hook	No	8
<b>SCOPE [B]</b>	<b>II. Installation of 63 KVA ( 3 star rated transformer ) 11/0.4KV D.P. mounted sub station using 9 mtr. Long 100 x 116 mm R.S. Joist alongwith barbed wire fencing ( 15' x 10') with MS Grill Gate &amp; Metal spreading - 1 No.</b>		
1	150 x 150 RS Joist 9 mtr. Long x 2 nos x 23 kg =414 kg	Kg	2
2	Pressure channel 100 x 50 x 6 mm MS channel , 2.8 mtr(9.2 Kg/ Mtr.)x 2 nos	Kg	51.52
3	Transformer mounting channel 100 x 50 x 6 mm, 2.8 mtr long 2 Nos (9.2 Kg/ Mtr.) x 2 Nos	Kg	51.52
4	AB Switch & HG fuse mounting channel 75x40x6 mm, 2.8 mtr long 4 Nos. (6.8Kg/ Mtr)	Kg	76.16
5	cantiliver channel for supporting Ab Switch arm, 75x40x6 - 1 mtr long, 2 nos 96.8 kg / mtr.	Kg	13.6
6	cantiliver channel for supporting Hg fuse, 50x50x6 MS Angel(1.0 mtrs. Long 2 nos.) 4.5 k.g/ mtr.	Kg	9
7	Angle for cantiliver arrangement for AB Switch & HG Fuse 50x50x6 - 2 mtr. Each 2 nos.(4.5 k.g/ mtr.)	Kg	18
8	Transformer belting 50x50x6 mm, angel 2.8 long 2 Nos. (4.5 Kg/Mtr.) with side angle( total 7mtr)	Kg	31.5
9	Angle for mounting LT Distribution Box50 x50x 6 mm MS Angle - 2.5 mtr. Each long 2 Nos. ( 4.5 kg per mtr.)	Kg	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 Lighting arrestor, 12 KV-10 KA	No	3
13	HT Stay Set (Complete)	Set	2
14	HT Stay Insulator	No	2
15	HT Stay Clamp ( 1.95 kg / pair)	No	2
16	7/10 G.I. Stay Wire	K.G.	20
17	G.I. Pipe Earthing 40 mm dia medium gauge3mtr long	No	5
18	No. 6 G.I wire for earthing	Kg	20
19	40x6 mm GI Flat for Neutral	No	2

20	Fixing and concreting of stay set with 0.5cum cement concrete foundation 1:3:6 size (900x600x900)mm using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator	No	2
21	Concreting of stay support c.c 1:4:8 using 40mm BHG metal size 5'x2'x2'=20CFT = 0.570 cum padding 900x600x150 mm =0.081 0.651cum @ 3071.25 = 1999.38 each	No	2
22	Couping of support section 15"x15" (3.9cft ) height 2'-6" (1'-6" ) above G.L & 1'-0' below G.L ) in C.C 1:2:4 using 12 mm BHG metal & curing for 5 days.	No	2
23	Material for masonry work for earth pit, salt, charcoal including construction of earthing chamber (size : 2'x2')	No	5
24	55 mm <sup>2</sup> AAC Conductor	Km	0.04
25	Alluminium Paint	Ltr	4
26	Red Oxide Paint	Ltr	4
27	Black Paint	Ltr	3
28	MS Bolts, Nuts & washers	No	1
29	63 KVA 11/0.4 KV Transformer 3Star rated TFR Al	No	1
30	LT Distribution Box with kit kat fuse	No	1
31	3.5 core 95 sq.mm PVC Cable	Mtr.	15
32	Barbed fencing ( size 15' x10' ) with const. of retaining wall, erection of RCC fencing post , sand filling and metal spreading , Fixing of Iron Gate etc. as per CESU specification.	No	1
33	Sundries for Survey ,PVC Tape, Ampere tape, Danger Board , small size nut & bolt preparation of drawing cable socket.	LS	1
<b>SCOPE [C]</b>	<b>III. Construction of 3 ph 5 wire LT line using 8 mtr. long 200 KG PSC Pole with 3 x50+1x35+1x 16 sq.mm AB cable.-0.2KM</b>		
1	8 mtr. long PSC Pole	No	4
2	Concrete slab for base plate size 2ftx2ftx2" thickness for PSC pin point	No	4
3	(3 x50 +1 x35+ 1 x 16) mm <sup>2</sup> XLPE AB Cable	Km	0.206
4	Stay set	Set	5
5	7/12 G.I. Stay wire	Kg	50
6	LT Stay Clamp ( 1.4 Kg/pair ) x Rs. 75 per Kg	Pair	5
7	LT Stay Insulator (110 x 75)mm	No	5
8	Fixing and concreting of stay set with 0.5cum cement concrete foundation 1:3:6 size (900x600x900)mm using 40mm BHG metal with all labour and material except stay set , stay wire , stay insulator	No	5
9	Dead end Clamp with I Hook	No	8
10	Suspension clamp I Hook	No	1
11	Insulated Piercing connector	No	3
12	Sundries for Survey ,tree cutting , insulated tape etc.	Ls	0.2

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

