

**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

BID REFERENCE NO: - 13 / 2014-15 /ELECT/ OPHWC

**SCHEDULE OF TENDER FOR EXTERNAL ELECTRIFICATION WORK AT
BANKOI OUT POST IN THE DIST. OF KHORDHA.**

SOLD TO : M/S _____

MONEY

RECEIPT NO : _____

DATE : _____

[SIGNATURE OF ISSUING OFFICER]

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TENDER CALL NOTICE

BID REFERENCE NO: - 13/ 2014-15 /ELECT/ OPHWC

1. Sealed tender in the prescribed form with detailed Tender Call Notice for execution of external electrification works, Area illumination works ,Generator Wiring, Garden & Building Highlighting of different projects are invited in single cover system from the enlisted H.T. / M.V.(M.V. Contractors only participated with Area illumination ,Generator Wiring, Garden & Building Highlighting works) electrical contractors/Firms under OPHWC ,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	External electrification work of 1-D, 2-E and 6-F type Staff Qtr. At Ranpur Fire Station in the Dist. of Nayagarh.	Rs. 8,77,026.00	Rs.8,770.00	Rs.4,160.00	45 days	Up to 10 lakh & above
2	External electrification work of 1-D, 2-E and 6-F type Staff Qtr. At Rajkanika Fire Station in the Dist. of Kendrapada.	Rs. 4,25,120.00	Rs.4,251.00	Rs.2,080.00	45 days	Up to 10 lakh & above
3	External electrification work of Sadar Police Station,Kendrapada in the Dist. of Kendrapada.	Rs. 7,38,336.00	Rs.7,383.00	Rs.4,160.00	45 days	Up to 10 lakh & above
4	Generator Wiring to Different Wards at Special Jail,Bhubaneswar in the Dist. of Khordha.	Rs.10,83,086.00	Rs.10,831.00	Rs.6,240.00	45 days	10 lakh above

5	Generator Wiring to Different Wards of circle Jail,Choudwar in the Dist. of Cuttack.	8,37,110.00	Rs.8,371.00	Rs.4,160.00	45 days	Up to 10 lakh & above
6	External electrification work of 6-F type Qtr. At Kabisuryanagar Police Station in the Dist. of Ganjam.	Rs. 3,64,351.00	Rs.3,644.00	Rs.2,080.00	45 days	Up to 10 lakh & above
7	External electrification work of JMFC Building at Buguda in the Dist. of Ganjam.	Rs. 5,31,648.00	Rs.5,316.00	Rs.4,160.00	45 days	Up to 10 lakh & above
8	Area illumination work of Dharmabandha Police Station in the Dist. of Nuapada.	Rs. 14,18,700.00	Rs.14,187.00	Rs.6,240.00	45 days	10 lakh above
9	External electrification work of 100 Men Barrack,Kalta in the Dist. of Sundergarh.	Rs. 5,43,042.00	Rs.5,430.00	Rs.4,160.00	45 days	Up to 10 lakh & above
10	External electrification work of Koira Fire Station in the Dist. of Sundergarh.	Rs. 3,01,765.00	Rs.3,018.00	Rs.2,080.00	45 days	Up to 10 lakh & above
11	External electrification work of Kalta Police Station,Kalta in the Dist. of Sundergarh.	Rs. 5,71,269.00	Rs.5,713.00	Rs.4,160.00	45 days	Up to 10 lakh & above
12	External electrification work of Derabish Police Station in the Dist. of Kendrapada.	Rs. 3,95,590.00	Rs.3,956.00	Rs.2,080.00	45 days	Up to 10 lakh & above
13	External electrification work of Bankoi out Post in the Dist. of Khordha.	Rs. 6,87,908.00	Rs.6,879.00	Rs.4,160.00	45 days	Up to 10 lakh & above
14	External electrification work of Police Station and 100 Men barrack at Bramhagiri in the Dist. of Puri.	Rs. 7,84,525.00	Rs.7,845.00	Rs.4,160.00	45 days	Up to 10 lakh & above
15	Execution of Garden and Building Highlighting at	Rs. 3,98,415.00	Rs.3,984.00	Rs.2,080.00	45 days	Up to 10 lakh & above

SFSL,Bhubaneswar in the Dist. of Khordha					
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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.19.03.2015 . 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 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.”/ “Tender for Generator Wiring works ,Tender No., Name of the Project etc.” / “Tender for Garden & Building Highlighting works ,Tender No., Name of the Project etc.”
8. The tender document is available from :10 AM on Dt.09.03.2015
9. Last date for issue of tender document is up to : 05.00 PM on Dt.19.03.2015
10. Last date for receipt of tender document is up to : 12.30 PM on Dt.23.03.2015
11. Date of opening of bid at : 03.30 PM on Dt.23.03.2015
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 CODITIONS OF THE CONTRACT
BID REFERENCE NO: - 13 / 2014-15 /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 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.” .”/ “Tender for Generator Wiring works ,Tender No., Name of the Project etc.” / “Tender for Garden & Building Highlighting 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, Generator Wiring, Garden & Building Highlighting works 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 Manager (Elect.)**

GENERAL BID FORM
BID REFERENCE NO: - 13 / 2014-15 /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.- 13/2014-15/ ELECT/OPHWC

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORKS FOR POWER SUPPLY TO BANKOI OUT POST IN THE DIST. OF KHORDHA.

Sl. No.	NAME OF THE PROJECT	SCOPE OF WORK	QUOTED RATE INCLUSIVE OF ALL IN FIGURE	QUOTED RATE INCLUSIVE OF ALL IN WORD.
1	BANKOI OUT POST IN THE DIST. OF KHORDHA.	<p>I. Construction of 3 ph 3 wire 11 KV line using 150x150 mm 11 mtr. Long RS Joist pole with 55 sq.mm Insulated Conductor -0.14 KM .(2 Nos Span)</p> <p>II. Installation of 25 KVA (3 star rated transformer) 11/0.4KV D.P.mounted sub station using 100x116mm 10 mtr long RS Joist pole alongwith Boundary Wall (size 15'x10') ,Iron Grill gate,Sand and metal spreading - 1 No.</p> <p>III. Construction of LT 3 ph 5 Wire Line using 9 mtr. long 100x116 mm RS Joist with 3x50+1x35 +1x16 sq.mm AB cable -0.2 KM(Span Length-40 Mtr)</p> <p>IV.Construction of 11 KV Line DP with 200 Amp AB Switch using 11 mtr. Long 150x150 mm R.S. Joist Pole-1 No.</p> <p>V.Erection of 11 KV Intermediate Pole using 11 Mtr. Long 150x150 mm R.S Joist Pole-1 No.</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.- 13/2014-15/ ELECT/OPHWC

NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORKS FOR POWER SUPPLY TO BANKOI OUT POST IN THE DIST. OF KHORDHA.

SCOPE [A]	I. Construction of 3 ph 3 wire 11 KV line using 150x150 mm 11 mtr. Long RS Joist pole with 55 sq.mm Insulated Conductor -0.14 KM .(2 Nos Span)		
SCOPE [B]	II. Installation of 25 KVA (3 star rated transformer) 11/0.4KV D.P.mounted sub station using 100x116mm 10 mtr long RS Joist pole alongwith Boundary Wall (size 15'x10') ,Iron Grill gate,Sand and metal spreading - 1 No.		
SCOPE [C]	III. Construction of LT 3 ph 5 Wire Line using 9 mtr. long 100x116 mm RS Joist with 3x50+1x35 +1x16 sq.mm AB cable -0.2 KM(Span Length-40 Mtr)		
SCOPE [D]	IV.Construction of 11 KV Line DP with 200 Amp AB Switch using 11 mtr. Long 150x150 mm R.S. Joist Pole-1 No.		
SCOPE [E]	V.Erection of 11 KV Intermediate Pole using 11 Mtr. Long 150x150 mm R.S Joist Pole-1 No.		
SCOPE [A]	I. Construction of 3 ph 3 wire 11 KV line using 150x150 mm 11 mtr. Long RS Joist pole with 55 sq.mm Insulated Conductor -0.14 KM .(2 Nos Span)		
SCOPE [E]	V.Erection of 11 KV Intermediate Pole using 11 Mtr. Long 150x150 mm R.S Joist Pole-1 No.		
SL. NO.	Description of Materials	Unit	Qty
1	11 mtr long 150x150mm R.S. joist pole	No/Kg	2/762
2	55mm ² Insulated Conductor	KM	0.43
3	100x50x6mm MS Channel	Kg	30
4	11 KV V cross arm (10.2 K.g. each)	No.	2
5	Top bracket 75x40mm MS channel (1.3kg each)/	No	2
6	Back Clamp for V cross Arm 1.70Kg each	Pair	2
7	11KV Pin insulator	No	8
8	11KV GI pin	No	8
9	11KV Disc insulator	No	12
10	11KV H/W fitting	Set	6

11	HT Stay set complete	No	1
12	HT Stay Insulator	No	1
13	HT Stay Clamp (1.95 Kg./ Pair)	Pair	1
14	7/10 SWG stay wire	Kg	10
15	Different size MS nuts & bolts	Kg	6
16	Fixing of stay set with 0.5Cum Cement concrete foundation 1:3:6 size (900mm x 600mm x900mm) using 40mm BHG metal with all labour and material expect stay set, stay wire, stay insulator	No	1
17	Concreting of support C.C- 1:4:8 using 40mm BHG metal size- 5'x2'x2' = 20CFT = 0.570Cum Padding 900x600x150mm = <u>0.081</u> 0.651 Cum x3071.25 = 1999.38each	No	2
18	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 12mm BHG metal & curing for 5 days	No	2
19	Earthing for support(coil type)	No	2
20	Red oxide paint	Ltr	5
21	All. Paint	Ltr	5
22	Black Paint	Ltr	1
23	sundries for survey, small size nut bolt, Allm. Binding wire/tape, anticlimbing device & Danger Board nos.	LS	0.14
SCOPE [B]	II. Installation of 25 KVA (3 star rated transformer) 11/0.4KV D.P.mounted sub station using 100x116mm 10 mtr long RS Joist pole alongwith Boundary Wall (size 15'x10') ,Iron Grill gate,Sand and metal spreading - 1 No.		
SL. NO.	Description of Materials	Unit	Qty
1	10mtr Long 100x116mm R.s. joist pole	No/Kg	2/469
2	100 x 50 x6mm MS channel	K.g.	110
3	75x40x6mm MS Channel	K.g.	90
4	50 x 50 x 6 mm MS Angel	K.g.	85
5	11KV AB Switch 3 Pole (200Amp)	Set	1
6	11KV HG Fuse 3 Pole (400 Amp)	No	1
7	11 KV L.A. 12KV-10KA	No	3
8	H.T. Stay set (Complete)	Set	2

9	H.T. Stay Insulator	No	2
10	H.T. Stay clamp(1.95 K.g./Pair)	Pair	2
11	7/10 SWG Stay Wire	K.g.	20
12	GI Pipe Earthing 40 Dia Medium gage 3 mtrs. Long	No	5
13	No. 6 GI wire	K.g.	20
14	40x6mm GI Flat for nutral	K.g.	20
15	Fixing and concreting of stay set with 0.5Cum cement concret foundation 1:3:6 size (900mm x 600mm x900mm) using 40mm BHG metal with all labour and material expect stay set, stay wire, stay insulator	No	2
16	Concreting of support C.C- 1:4:8 using 40mm BHG metal size- 5'x2'x2' = 20CFT = 0.570Cum Padding 900x500x150mm = <u>0.081</u> 0.651 Cum @ 3071.25 = 1999.38each	No	2
17	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 12mm BHG metal & curing for 5 days	Nos	2
18	Materials for Massionary work for Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size:2'x2') and RCC slab cover	No	5
19	55mm ² AAAC	Km	0.04
20	Red oxide paint	Ltr	3
21	All. Paint	Ltr	4
22	Black Paint	Ltr	1
23	Ms Nut, Bolt & Washer	K.g.	36
24	25KVA, 11/0.4KV 3 star rated TFR AL	No	1
25	L.T Distribution box including Kit Kat fuse with MCCB for 25KVA S/S (As pre CESU specification)	No	1
26	3 1/2 x 35mm ² PVC Cable for 25 KVA TFR	Mtr.	15

27	Boundary wall (size 15'x10' and 1.8mtr Height) constn. With Laterite stone & Brick messionary including Sand filling and metal spreading, Fixing of Iron grill gate etc as per CESU specification	No	1
28	Sundries for survey, PVC tape, Ampire tape, Danger Board, small size nut & Bolt prepartion of drawing cable socket etc.	LS	1
SCOPE [C]	III. Construction of LT 3 ph 5 Wire Line using 9 mtr. long 100x116 mm RS Joist with 3x50+1x35 +1x16 sq.mm AB cable -0.2 KM(Span Length-40 Mtr)		
1	9mtr long 100x116mm R.S. Joist pole	No/Kg	5/1055
2	3x50+ 1x35+1x16mm ² AB cable	KM	0.2
3	L.T. dead end clamp with I hhok	No	6
4	L.T. Suspension clamp with I hook	No	2
5	LT stay set complete	No	5
6	LT Stay Insulator	No	5
7	LT Stay Clamp(1.4Kg./Pair)	Pair	5
8	7/12 SWG Stay wire	Kg	50
9	Different size MS nuts & bolts	Kg	10
10	Fixing of stay set with 0.5Cum Cement concrete foundation 1:3:6 size (900mm x 600mm x900mm) using 40mm BHG Metal with all labour and material except stay set, stay wire, stay insulator	No	5
11	Concrete slab for base plate size 2ftx2ftx2' thickness for each PSC pole	No	5
12	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 12mm BHG & curing for 5 days	Nos	5
13	Earthing for support(coil type)	No	1
14	Sundries for insulated tape, binding wire etc.	LS	0.2
SCOPE [D]	IV.Construction of 11 KV Line DP with 200 Amp AB Switch using 11 mtr. Long 150x150 mm R.S. Joist Pole-1 No.		
1	11mtr long 150x150mm R.S. Joist pole	No/Kg	2/762
2	100x50x6mm MS Channel	Kg	160
3	50x50x6mm MS Channel	Kg	50

4	11KV AB Switch 3 Pole (200Amp)	Set	1
5	11KV Disc insulator	No	12
6	11KV H/W fitting	Set	6
7	H.T stay set (Complete)	Set	2
8	H.T Stay Insulator	No	2
9	H.T. Stay clamp(1.95 K.g./Pair)	Pair	2
10	7/10 SWG Stay Wire	K.g	20
11	GI Pipe Earthing 40 Dia Medium gage 3 mtrs. Long	No	1
12	40x6mm GI Flat for nutral	K.g	20
13	Fixing and concreting of stay set with 0.5Cum cement concret foundation 1:3:6 size (900mm x 600mm x900mm) using 40mm BHG metal with all labour and material expect stay set, stay wire, stay insulator	No	2
14	Concreting of support C.C- 1:4:8 using 40mm BHG metal size- 5'x2'x2' = 20CFT = 0.570Cum Padding 900x500x150mm = <u>0.081</u> 0.651 Cum @ 3071.25 = 1999.38each	No	2
15	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 12mm BHG metal & curing for 5 days	Nos	2
16	Materials for Massionary work for Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size:2'x2') and RCC slab cover	No	1
17	Red Oxide paint	Ltr	4
18	All paint	Ltr	4
19	Black Paint	Ltr	1
20	Ms Nut, Bolt & Washer	K.g.	20
21	Clamp, connector and Jumpering materials	LS	1
22	Sundries for survey, PVC tape, Ampire tape, Danger Board, small size nut & Bolt preparation of drawing cable socket etc.	LS	1

Seal & Signature of the Contractor

Sd/-
Asst. Project Manager (Elect.)