

**CENTRAL WAREHOUSING CORPORATION  
(A GOVT. OF INDIA UNDERTAKING)**



**CENTRAL WAREHOUSING CORPORATION**  
CMC, Building (6<sup>th</sup> floor), Phase-I, 15 N,  
Nellie Sengupta Sarani, Kolkata-700087.  
Phone No. 033-2252-0426 & FAX No. 033-2252-0425

No. CWC/CC-Kol/Substation-Marshaghai/ 2015-16/

Date: 30.05.2015

**NOTICE INVITING QUOTATION**

**NAME OF WORK: Construction of 25KVA, 11/0.4KV Substation with drawing 11 KV HT line for power supply to 15 KW load(GPS) at CW, Marshaghai with LT in single point metering at Masakani over the Plot No. 55, Khata No. 364, Mauza Masakani under Electrical Section, Luna in Mahakalapada Block of Kendrapara District.**

Sealed percentage rate quotations are invited from the interested electrical contractors having valid HT license and work experience of installation of HT substation/ working contractor of the Central Electricity Supply Utility of Orissa (CESU).

- The contractor shall submit the following documents:
- (i) Valid HT Electrical License
  - (ii) Valid Service Tax Registration
  - (iii) The work experience Certificate/Certificate of working Contractor of CESU should be of value not less than 80% of the estimated cost.
  - (iv) Valid PAN/TAN No.

The quotation papers with terms and condition may be had from the office of the Executive Engineer, CWC, Construction Cell, Kolkata / Warehouse Manager, CW, Cuttack **free of cost** in working hours from 10.00 p.m. to 04.00 p.m. on or before **10.06.2015**

The quotation with terms and condition can also down loaded from the website [www.cewacor.nic.in](http://www.cewacor.nic.in) and [www.tenderhome.com](http://www.tenderhome.com)

Estimated cost of work is **Rs. 4,38,403.44**

The Earnest money to be deposited amounting to **Rs. 8,800/-** in the form of D.D./ Pay order of the schedule Bank in favour of **Executive Engineer, Central Warehousing Corporation, Kolkata** (payable at Kolkata) on or before **12.06.2015** with the quotation.

The quotationers are requested to quote the rate in schedule of work enclosed at **page No.7** and quotation duly completed schedule of work with terms & conditions under sealed envelop superscribing the name of work shall be submitted to the office of the **Assistant Engineer, Central Warehouse Cuttack ADDRESSED TO THE ASSISTANT ENGINEER (E)** up to 15.00 hours. On **12.06.2015** and the same will be opened at 15.30 hrs. on the same day in the presence of quotationers/contractors who may wish to be present at the time of opening.

The Central Warehousing Corporation reserves the right to accept or reject all/ any part of quotation without assigning any reason there-of.

**FOR EXECUTIVE ENGINEER**

Copy to:

1. The Regional Manager , CWC, RO, Bhubaneswar for kind information.,
2. The Sr Asstt. Manager(A/cs), CWC, CC-Kolkata.
3. The Asstt. Engineer(E), CWC, CC-Kolkata
4. The Asstt. Engineer (E), CWC, Puri with 5 copies of NIQ for wide publicity and attending CW Cuttack on 12.06.2015 for opening the quotation associating Warehouse Manager as a member of 3 members committee.
5. The Warehouse Manager/ AE(C), C.W, Cuttack
6. The AE(C), CW, Cuttack with 5 copies of NIQ for wide publicity and distribution.

**Distribution to :**

1. O/o the Executive Engineer, CESU, Kendrapara, Electrical Division No-II, Kendrapara. Pin-754211 for wide publicity.
2. Notice Board of CC-Kolkata/ RO Bhubaneswar/ CW-Kalamati

**Additional terms and conditions for Construction of 25KVA, 11/0.4KV Substation with drawing 11 KV HT line for power supply to 15 KW load(GPS) at CW, Marshaghai with LT in single point metering at Masakani over the Plot No. 55, Khata No. 364, Mauza Masakani under Electrical Section, Luna in Mahakalapada Block of Kendrapara District.**

1. The requisite amount of supervision charge and CESS have been deposited to the Central Electricity Supply Utility of Orissa (CESU) authority by CWC.
2. The registered contractor of SECU shall have valid electrical H.T. license and execute the work as per approved drawing / estimate of CESU, norms & specification of CESU, Indian Standard & IE Rules
3. All materials to be utilized in the lines & S/S should be of good quality and as per specification of CESU. The contractor shall submit the original cash memos in support of procurement of materials to the CESU authority for ascertaining the source of receipt of materials as per their requirement.
4. The Transformer shall be tested at the factory premises of the supplier and testing will be conducted by the Manager(EI), E & MR division, CESU, Cuttack and CWC Engineer. The transformer cannot be installed without above certificate
5. The Substation, HT line and MV load shall be energised by CESU on getting clearance from the Electrical Inspector, Govt. of Odisha, Bhubaneswar. The Contractor shall arrange the inspection and the fees to be deposited for inspection will be reimbursed from CWC on production of inspection fee receipt and other relevant documents.
6. LT bushing of transformer shall be protected by provision of cable end termination box having sealing arrangements, which shall be sealed by the CESU authority at the time of energisation.
7. The capacitor bank of suitable capacity is to be installed as required by CESU.
8. The contractor shall provide an enclosure with roof, door and locking arrangement near the metering point for protection of energy meter and TP box etc from rain/ storm as per specification of CESU.
9. The contractor shall provide Guarding against the existing 33KV line/ 11 KV line/ LT line/ Telephone line/ road, if any keeping allowable clearance as per CESU norms.
10. The contractor shall provide anti-climbing device in the sub-station.
11. Any dispute/ legal complicity arising out of damage/ accident owing to construction of new 11 KV line erection of poles, etc. has to be settled at the responsibility and cost of the contractor.
12. The contractor shall submit the type test report of the materials to be used at site followed by the inspection of materials as per CESU specification.
13. The contractor shall be responsible for all safety of workmen and any damage / accident during the progress of construction of 11 KV line erection, substation work etc.
14. On the event of detection of any wrong / unauthentic documents and facts relating to the work, the decision of the Engineer-in-charge shall be final and binding. No claim shall be entertained whatsoever
15. The defect liability period will be 12 months after energising of HT line & transformer and providing electric connection to CW, Marshaghai by CESU authority.
16. All payments will be released through e-payments by CC, Kolkata.
17. Sales Tax or any other tax on material as promulgated by Govt. of India from time to time in respect of this contract shall be payable by the contractor and Central Warehousing Corporation will not entertain any claim whatsoever in this respect.
18. The rates shall be quoted inclusive of all taxes but exclusive of Service Tax or any other Tax levied by the Central Government in lieu of Service Tax and the same will be payable by the Corporation over and above the Schedule of Rates.
19. Time of completion of the work is 01 **(one)** month from the date as to be mentioned in the Work Order.
20. 10% S.D will be deducted from the gross bill amount & will be released after the defect liability period of 12 months which will be reckoned from the date of successful completion of the work. In case any defect is found in the said defect liability period, shall be attended by the contractor successfully at his own cost.

EXECUTIVE ENGINEER

CENTRAL WAREHOUSING CORPORATION  
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CONSTRUCTION CELL, KOLKATA.

**Name of work : Construction of 25KVA, 11/0.4KV Substation with drawing 11 KV HT line for power supply to 15 KW load(GPS) at CW, Marshaghai with LT in single point metering at Masakani over the Plot No. 55, Khata No. 364, Mauza Masakani under Electrical Section, Luna in Mahakalapada Block of Kendrapara District.**

SCHEDULE OF WORKS

Sl No.	Description of work	Quantity	Unit	Rate	Amount
1.	Construction of 3-Phase, 3-Wire HT line using 55 sqmm AAAC over 09 metre long 300 Kg PSC pole with double disc with supplying, stocking, storage, transportation and erection the following as per direction of CESU authority.				
	(i) 9.00 metre long, 300 Kg PSC pole	12.00	No.	3000.00	36000.00
	(ii) 11 KV 'V' cross arm (10.2 Kg each)	9.00	No.	765.00	6885.00
	(iii) Black clamp for 'V' cross arm	9.00	No.	127.50	1147.50
	(iv) Top Bracket 75x40mm MS Channel(1.3 Kg each)	9.00	No.	97.50	877.50
	(v) 100x50x6mm MS channel for 03 Nos. cut point (52Kg/cut point) + 1 No. tapping point= 4 Nos.	208.00	Kg	60.00	12480.00
	(vi) 11 KV G.I. pin	34.00	No.	65.00	2210.00
	(vii) 11 KV pin insulator	34.00	No	70.00	2380.00
	(viii) Concreting of support C.C.-1:4:8 using 40mm BHG metal size – 5'x5'x2' = 20 cft = 0.570 cum padding 900x600x150mm = 0.081 0.651cum x3071.25 = 1999.38 each cut point.	3.00	No	1999.38	5998.14
	(ix) Concrete slab for base plate size 2ftx2ftx2" thickness for each PSC pin point	9.00	No	367.50	3307.50
	(x) HT stay set (Complete)	6.00	Set	700.00	4200.00
	(xi) HT stay insulator	6.00	No.	40.00	240.00
	(xii) Stay set with 0.5 cum cement concrete foundation 1:3:6 size(900mmx500mmx900mm) using 40mm BHG metal with all materials except stay set, stay wire & stay insulator	6.00	No.	1753.90	10523.40
	(xiii) HT stay clamp(1.95 Kg/Pair)	6.00	Pair	146.25	877.50
	(xiv) 7/10 Stay Wire 10 Kg / stay	60.00	Kg	75.00	4500.00
	(xv) Red oxide paint	5.00	Ltr	85.00	425.00
	(xvi) Earthing of Support (Coil type)	12.00	No.	174.57	2094.84
	(xvii) Aluminium Paint	2.00	Ltr	87.65	175.30
	(xviii) 5/8" GI Nut, Bolt & washers	35.00	Kg	75.00	2625.00
	(xix) 55 sqmm AAA Conductor	2.50	Km	30,000.00	75000.00
	(xx) 11 KV H.W. Fitting(B&S)	21.00	No.	350.00	7350.00
	(xxi) 11 KV Disc Insulator (B&S)	42.00	No.	350.00	14700.00
	(xxii) G.I. Barbed wire anticlimbing device 3Kg per support	36.00	Kg	70.00	2520.00
	(xxiii) Sundries for survey tree cutting, small size nut bolt, aluminium Binding wire/ tape & Danger Boards 4 Nos. etc	1.00	LS	6300.00	6300.00

Sl No.	Description of work	Quantity	Unit	Rate	Amount
2.	Installation of 25 KVA, 11/0.4 KV DP mounted Sub-station with three star rated Transformer with 09 metre long PSC pole and supplying, stocking, storage, transportation and erection the following as per direction of CESU authority.				
	(i) 9.00 metre long, 300 Kg PSC pole	2.00	No.	3000.00	6000.00
	(ii) Pressure Channel 100x50x6mm MS channel each 2.80 metre long ( 9.2 Kg per metre ) x 2Nos.	52.00	Kg	60.00	3120.00
	(iii) Transformer mounting channel 100x50x6mm MS channel each 2.80 metre long ( 9.2 Kg per metre )x2 Nos	52.00	Kg	60.00	3120.00
	(iv) AB Swith and HG fuse, Mounting Channel 75x40x6mm 2.8metre long -4 Nos. (6.8Kg per metre)	77.00	Kg	60.00	4620.00
	(v) Cantilever channel for supporting AB switch arm 75x40x6mm -1 metre long, 2 Nos. (6.8 Kg per metre)	14.00	Kg	60.00	840.00
	(vi) Cantilever channel for supporting HG Fuse 50x50x6 mm MS Angle( 1.0metre long-2Nos.) 4.50 Kg per metre	9.00	Kg	60.00	540.00
	(vii) Angle for cantilever arrangement for AB Switch and HG Fuse 50x50x6mm -2.0 metre each 2 Nos. (4.50 Kg per metre)	18.00	Kg	60.00	1080.00
	(viii) Transformer belting Angle 50x50x6mm-2.80 metre long- 2Nos.(4.50 Kg per metre) with side angle (Total 7 metre)	32.00	Kg	60.00	1920.00
	(ix) Angle for mounting LT distribution Box 50x50x6 mm MS Angle – 2.50 metre long each-2Nos. (4.50 Kg per metre)	23.00	Kg	60.00	1380.00
	(x) 11 KV AB Switch 3Pole(200 Amp)	1.00	Set	9000.00	9000.00
	(xi) 11 KV HG Fuse 3 Pole (400 Amp)	1.00	No	7000.00	7000.00
	(xii) 11 KV LA 12KV-10KA	3.00	No	1500.00	4500.00
	(xiii) HT stay set (Complete)	2.00	Set	700.00	1400.00
	(xiv) HT Stay insulator	2.00	No	40.00	80.00
	(xv) HT Stay clamp (1.95Kg per pair)	2.00	Pair	146.25	292.50
	(xvi) 7/10 SWG Stay Wire	20.00	Kg	75.00	1500.00
	(xvii) GI pipe Earthing 40 mm dia Medium guage 3.0 metre long	5.00	No.	1500.00	7500.00
	(xviii) No.6 GI Wire	20.00	Kg	60.00	1200.00
	(xix) 40x6mm GI flat for neutral	20.00	Kg	60.00	1200.00
	(xx) Stay set with 0.5 cum cement concrete foundation 1:3:6 size(900mmx500mmx900mm) using 40mm BHG metal with all materials except stay set, stay wire & stay insulator	2.00	No	1753.90	3507.80

SI No.	Description of work	Quantity	Unit	Rate	Amount
	(xxi) Concreting of support C.C.-1:4:8 using 40mm BHG metal size – 5'x5'x2' = 20 cft = 0.570 cum padding 900x600x150mm = <u>0.081</u> 0.651cum @3071.25 = 1999.38 each.	2.00	No.	1999.38	3998.76
	(xxii) Coupling support section 15"x15" (3.9 cft) height 2'-6" (1'-6" above G.L & 1'-0" below G.L) in CC 1:2:4 using 12mm BHG metal & curing for 5 days)	2.00	No	512.40	1024.80
	(xxiii) Materials for Masonary work for Earth pit, Charcoal, Salt etc. including construction of earthing chamber (Size- 2'x2') and RCC slab cover.	5.00	No.	1719.90	8599.50
	(xxiv) 55 sqmm AAAC	0.04	Km	30,000.00	1200.00
	(xxv) Red Oxide paint	2.00	Letre	85.00	170.00
	(xxvi) All Paint	2.00	Ltr	95.00	190.00
	(xxvii) MS Nut, Bolt & Washer	36.00	Kg	75.00	2700.00
	(xxviii) 25 KVA, 11/0.4 KV 3-Star rated Transformer	1.00	No.	52,000.00	52000.00
	(xxix) L.T. Distribution box including Kit Kat fuse with MCCB for 25 KVA S/S (As per CESU specification)	1.00	No.	12,400.00	12400.00
	(xxx) 3 1/2 core 35 sqmm PVC cable for 25 KVA Transformer	15.00	Metre	175.00	2625.00
	(xxxi) Barbed Fencing (size 15'x10') with construction of retaining wall, erection of RCC fencing post, Sand filling and metal spreading, Fixing of iron grill gate etc as pr CESU specification.	1.00	No.	31,500.00	31500.00
	(xxxii) Sundries for survey , PVC tape, Ampire tape, Danger Board, small size nut & Bolt, preparation of drawing, alumunium Socket etc.	1.00	LS	3100.00	3100.00
3.	Construction of 11 KV line AB Swith with DP and supplying, stocking, storage, transportation and erection the following as per direction of CESU authority				
	(i) 9.00 metre long, 300 Kg PSC pole	2.00	No.	3000.00	6000.00
	(ii) 11 KV AB Switch 3 Pole (400 Amp)	1.00	Set	10,000.00	10000.00
	(iii) 100x50x6 mm GI Channel	100.00	Kg	60.00	6000.00
	(iv) 11 KV H.W. Fitting (B&S)	6.00	No.	350.00	2100.00
	(v) 11 KV Disc insulator (B&S)	12.00	No.	350.00	4200.00
	(vi) HT Stay set (Complete)	4.00	Set	700.00	2800.00
	(vii) HT Stay insulator	4.00	No.	40.00	160.00

SI No.	Description of work	Quantity	Unit	Rate	Amount
	(viii) Stay set with 0.5 cum cement concrete foundation 1:3:6 size (900mmx600mmx900mm) using 40mm BHG metal with all materials except stay set, stay wire & stay insulator	4	No.	1753.90	7015.60
	(ix) HT Stay clamp (1.95 Kg/pair)	4	Pair	146.25	585.00
	(x) 7/10 SWG Stay Wire 10 kg/stay	40	Kg	75.00	3000.00
	(xi) Concreting of support C.C.-1:4:8 using 40mm BHG metal size – 5'x5'x2' = 20 cft = 0.570 cum padding 900x600x150mm= 0.081 0.651cum @3071.25 = 1999.38 each	2	No.	1999.38	3998.76
	(xii) Earthing of Support (Coil Type)	2	No.	174.57	349.14
	(xiii) 5/8" GI Nut, Bolt and washer	10	Kg	75.00	750.00
	(xiv) GI pipe Earthing 40 mm dia Medium guage 3.0 metre long	1.0	No.	1500.00	1500.00
	(xv) No. 6 GI Wire	10	Kg	60.00	600.00
	(xvi) 11 KV LA 12 KV-10KA	3	No.	1500.00	4500.00
	(xvii) Materials for Masonary work for Earth pit Charcoal, Salt etc. including construction of earthing chamber (Size- 2'x2') and RCC slab cover.	1	No.	1719.90	1719.90
	(xviii) Sundries for survey tree cutting, aluminium Binding wire/ tape & Danger Boards 4 Nos. etc	1	LS	1000.00	1000.00

**Total Estimated Cost from SI No. 1 to 3 Rs 4,38,403.44**

**(Rupees four lakh thirty eight thousand four hundred three and paise forty four only).**

**EXECUTIVE ENGINEER**



**CENTRAL WAREHOUSING CORPORATION**  
(A GOVT. OF INDIA UNDERTAKING)

**NAME OF WORK:** Construction of 25KVA, 11/0.4KV Substation with drawing 11 KV HT line for power supply to 15 KW load(GPS) at CW, Marshaghai with LT in single point metering at Masakani over the Plot No. 55, Khata No. 364, Mauza Masakani under Electrical Section, Luna in Mahakalapada Block of Kendrapara District.

Estimated Cost from item No.1 to 3 Rs Rs 4,38,403.44 (Rupees four lakh thirty eight thousand four hundred three and paise forty four only)

(a) I/We hereby tender our rates as \_\_\_\_\_%  
( \_\_\_\_\_percentage)  
**above**  
the rates entered in the schedule of quantities from item no.1 to 3.

OR

(a) I/We hereby tender our rates as \_\_\_\_\_%  
( \_\_\_\_\_percentage)  
**below**  
the rates entered in the schedule of quantities from item no. 1 to 3.

**Note :**

The tenderer should quote their percentage appropriately either at (a) or (b) as the case may be.

**EXECUTIVE ENGINEER**  
**CWC,CC, KOLKATA**

**Signature of the Contractor**