



OPTCL

Lifeline of Odisha

ODISHA POWER TRANSMISSION CORPORATION LTD.

OFFICE OF THE GENERAL MANAGER: ELECT.

EHT (O&M) CIRCLE: CHAINPAL

AT/PO: CHAINPAL COLONY, PIN-759104, and DIST: ANGUL (ODISHA)

Email: ehtm.cle.chp@optcl.co.in

CIN:U40102OR2004SGC007553

TENDER SPECIFICATION

NO.16/2015-2016

FOR

SUPPLY OF WINDOW FASCIA ANNUNCIATOR-24 & DIGITAL METER FOR CONTROL PANEL TO BE USED AT GRID S/S MERAMUNDALI UNDER EHT (O&M) CIRCLE, CHAINPAL

SALE OF TENDER SPECIFICATION: DT. 30-10-2015

LAST DATE SALE OF TENDER SPECIFICATION: DT. 16-11-2015

LAST DATE OF SUBMISSION OF TENDER: DT. 17-11-2015

DATE OF OPPENING OF TENDER: DT. 17-11-2015

COST OF TENDER PAPER: **RS 2000.00+05% VAT (Rs 2100.00)**

NO.EHT (O&M)/CPL/...../DT.....

ISSUED TO,

M/S.....

Lifeline of Odisha



CONTENTS

1. SECTION -I: TENDER CALL NOTICE
2. SECTION -II: INSTRUCTION TO THE TENDERER
3. SECTION -III: GENERAL TERMS & CONDITIONS OF CONTRACT
4. SECTION -IV: TECHNICAL SPECIFICATION & PRICE BID
5. SECTION -V: DECLARATION BY THE BIDDER.

OPTCL

Lifeline of Odisha

SECTION-1



ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of ODISHA Under Taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE GENERAL MANAGER: ELECT.

EHT (O&M) CIRCLE: CHAINPAL, AT/PO: CHAINPAL COLONY,

DIST: ANGUL (ODISHA), Pin-759104, Email-ehm.cle.chp@optcl.co.in

CIN:U40102OR2004SGC007553

TENDER CALL NOTICE NO. 16/ 2015-16

The General Manager (Elect.), E.H.T. (O&M) Circle, Chainpal invites sealed Tenders in duplicate from reputed Manufacturers/Authorized dealers for supply of 24-Window fascia annunciator & Digital panel meter for control panel to be used at Grid S/S Meramundali under EHT (O&M) Circle, Chainpal.

The tender specification can be obtained from the office of The GM EHT (O&M) CIRCLE, CHAINPAL on payment of **Rs. 2000/- (Two Thousand only)**+VAT @ 5% (Non Refundable) in shape of Cash/Bank Draft in favor of EHT (O&M) CIRCLE, CHAINPAL payable at , TTPS, Talcher on any working day upto **01.00PM** from **Dt.30-10-2015 to Dt.16-11-2015**. In case the B.D made any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Nonrefundable. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received Up to 01.00 PM of dated 17.11.2015 & will be opened at 03.30 Hours of same day in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to one Bidder. E.M.D @ 1% of the total quoted value should be deposited in shape of Demand Draft / Cash in favour of E.H.T. (O&M) Circle, Chainpal & payable at "UCO Bank", TTPS Branch along with Self Attested Copy of PAN and Service Tax Registration Certificate failing which the tender will be liable for rejection.

The bidder should superscribe only the "Tender Call Notice No. & Date of Opening of the tender on the body of the Sealed Envelope". Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelop, Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with requisite amount of E.M.D. will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof.

N.B:- Tender Paper must be purchased from this office only within stipulated period. No other mode like downloaded paper from website will be accepted.

GENERAL MANAGER
EHT (O&M) Circle, Chainpal

Energy is precious. Save it.

Lifeline of Odisha

SECTION-II

INSTRUCTIONS TO BIDDER

1. The contract shall be valid only for a period of 06 (Six) months from the date of opening of tender. The department reserves the right also to terminate the contract at any time during the contract period without assigning the reasons thereof.
2. The authority reserves the right to award the contract among any responsive bidders against this tender. Besides this, the authority reserves the right to accept or reject any or all tenders without assigning any reason thereof.
3. **The bidder has to submit all the documents as mentioned in Clause No.11 of SECTION-III. Also the documents must valid on the date of opening of tender should be submitted along with tenders, failing which the tender will be rejected. The bidder or their authorized representatives should produce the original documents mentioned in Clause No.11 of SECTION-III for verification at the time of opening of the tender. Those who fail to produce the same and found not to be valid on the date of opening of tender not matching with the Xerox copy submitted by the bidder; their tenders will be out rightly rejected. In case if only one bidder participate in the tender process or nature of urgency of work (decided by this office), then undersigned may consider the case (*but not mandatory) & he will be given a chance to produce original documents in this office within one week from the date of opening of the tender.**
4. In case of any dispute arising either in supply of material or any clause of agreement/ work order, the decision of the Unit Head, will be final and binding on the Bidder.
5. Tender with over writing, erased, illegible rates or rates not shown in figures and words in English will be liable for rejection. In case of discrepancy between words and figures noted against each item of the tender and between unit rates and total amount, the decision of the Competent Authority (Committee or Unit Head) accepting the tender will be final and binding on the bidders. Total of item and grand total of whole tender be clearly written. Correction in the tender, if un-avoidable, should be made by re-writing with dated initial of the bidder after scoring out wrong entries, clerical and arithmetical mistakes may result in the rejection of the tender.
6. The bidders shall sign on all pages of the tender document as a token of acceptance of all terms and conditions thereof and submit his quotations therein.
7. The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
8. Request from the bidder in respect of additions alternations, modifications, corrections of either terms or conditions or rates after opening of the tender will not be considered.
9. All correspondence relating to the tender shall be made with General Manager (El.), E.H.T. (O&M) Circle, OPTCL, Chainpal.

Lifeline of Odisha

SECTION-III

GENERAL TERMS & CONDITIONS OF CONTRACT

Sealed tenders are invited in duplicate from reputed Manufacturers/Authorized Dealer for supply of 24-Window fascia annunciator & Digital panel meter for control panels to be used at Grid S/S Meramundali under EHT (O&M) Circle, Chainpal

1. SUBMISSION & OPENING OF TENDER:-

Tender shall be submitted with other documents in duly sealed envelope super scribed on the body of envelope “Tender for supply of 24-Window fascia annunciator & Digital panel meter for control panels to be used at Grid S/S Meramundali”. The bidder should write only Tender Specification No, the name of work and date of opening of the tender on the body of the sealed envelope. Bidder should not write their name or Agency name on the body of the sealed envelope which may make the offer liable for rejection.

2. RIGHT & AUTHORITY FOR REJECTION:- Tenders received after due date and time will be summarily rejected. The General Manager (Electrical), E.H.T. (O&M) Circle, Chainpal reserves the right to reject any or all of the tenders without assigning any reason thereof.

3. VALIDITY OF OFFER:- The offer should be firm and valid for a period of at least 120 days from the date of opening of tenders, Unless the tender will be rejected.

4. EARNEST MONEY DEPOSIT:- The tender should be accompanied with 1% of the total quoted amount towards Earnest Money Deposit (EMD) in shape of **Cash/ Bank Draft** in favour of EHT (O&M) CIRCLE, CHAINPAL payable at UCO Bank, TTPS, Talcher otherwise tender will be out rightly rejected. In case the B.D made any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the EMD. The collection fee is Nonrefundable & It can't be taken into account of EMD deposit. The EMD of the unsuccessful bidders will be returned after finalization of tender. The EMD of the successful bidders will be returned only after the Security money deposited as per the clause **No.(6) in Section (III)**. In case of successful bidder fails to execute the order satisfying all terms & conditions or also fails to commencement of work within stipulated date mentioned in the date of order, the Earnest Money Deposit will be forfeited. No interest will be paid on the EMD to any participator. No other mode than above for EMD Deposit will be accepted & bidder will be out rightly rejected.

5. PRICE:- The bidders are advised to quote their rate as per the price schedule in **Section-IV** with break up prices including of all Taxes & Duties and shall remain upto the validity of tenders.

6. SECURITY DEPOSIT:- The bidders whose offer qualifies for acceptance will be awarded **purchase order for supply of materials**, the bidder shall have to deposit security amount equal to 10% (ten percent) of contract value in shape of cash/bank draft drawn in favour of paying officer, of OPTCL, The security deposit shall be released after two months of expire of the guarantee period as stated under **clause-10 of SECTION-III** on receipt of application for this purpose. No Interest shall be paid to the bidder towards the security deposit so deposited by the Bidder. The security deposit shall be deposited with the respective paying officer of OPTCL prior to delivery of Material. In case of Non fulfillment of contractual obligation by the bidder, the same so deposited shall be forfeited.

7. DELIVERY OF MATERIAL:- The materials should be delivered & installed (as applicable) within 30days of placing order. If the work could not be completed within scheduled date due to any valid reason, then **delivery** period may be extended on written request by the Bidder. If the **material** will not be **delivered** within the stipulated period, then the penalty should be imposed as per clause **No.08 of SECTION-III**.

8. PENALTY: - Penalty @ ½%(half per cent) per week up to a maximum of 5% of the total value of the Contract will be imposed and recovered from dues admissible if the materials will not deliver within the specified date in SECTION –III, clause-7. However imposition of penalty clause is subject to force majeure condition.

9. TERMS OF PAYMENT: - 100 % (one hundred percent) [Against Security Deposit Only] payment along-with full taxes and duties (if any) shall be made after successful completion of the contract in all respect and verification reports based on actual quantity or JMC (if required) thereof by respective consignee and Paying Officer and on receipt of funds from Head Office in this regard. After completion of the contract, the bidder shall have to produce the printed bills to the respective consignee/Paying Officer for effecting payment.

10. GUARANTEE PERIOD: - The material supplied (Installed if required) by the contractor as per contract specification should be guaranteed for satisfactory, trouble free operation and against any defects, in materials & the workmanship for a period of 18 months from the date of completion of the contract or 12 months from the date on which transmission lines/Sub-stations equipment has been put to service, whichever is earlier. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval along with contract completion certificate of consignee. Any defects noticed during the period shall be rectified/replaced by the bidders at its own cost, without any financial burden to OPTCL.

11. DOCUMENTS & QUALIFICATION:- The following Xerox copy should be submitted with the tender paper & the same will be verified with original documents at the time of opening of tender. Also the below qualification is required, (Relaxation may be given in experience in situation like unavailability of experienced Firm).

- i) **Manufacturer/Authorized Dealer License Copy.**
- ii) Service Tax Registration Certificate from the Central Excise Deptt.(if applicable)
- iii) Valid PAN/ TIN.
- iv) VAT Regtd. & VAT CC
- v) Experience Certificate (priority will be given in tie condition)

12. ADDITION OR DELETION OF CONTRACT:- The Contract may be altered in quantum as per exigencies of requirement. The bidder shall accordingly provide services as may be required by the Officer- in - Charge on being given a notice of 15 days

13. ARBITRATION:- In the event of any dispute arising out his contract. The same shall be referred for arbitration to the Director (HRD) OPTCL, Bhubaneswar or any arbitrator appointed by the Chairman- Cum- Managing Director, OPTCL after due notice of claim and such appointment and the award of the arbitrator shall be final and binding arbitration and conciliation Act. 1996 shall apply. The venue of arbitration will be Bhubaneswar.

14. DISPATCH INSTRUCTIONS:- The materials shall be securely packed and dispatched BY rail/Road transport/door delivery basis. In case of dispatch by road transport it should be done only through reputed and licensed carrier agencies.

15. INSURANCE:- Transit Insurance of materials shall be arranged by you at your cost. The responsibility of the delivery of the materials at destination In good condition conditions rests with the supplier. Any claim with the insurance company. Railway authority/Road transport authorities arising due to loss or damage in transit has to be settled by the supplier. The supplier shall undertake free replacement of materials damaged or lost which will be reported by the consignee within 30 (thirty) days of the receipt of the materials at destination without waiting for the settlement of the claims with the carriers and under writers

16. FREE REPLACEMENT:- free replacement of materials lost/damaged due to transit shall be made immediately on receipt of the intimation from the consignee/paying officer without waiting for settlement of the claim of bidders with Railway/Lorry/ Insurance Company.

17. CONSIGNEE:- The AGM, Grid S/S Meramundali is the consignee for the contract..

18. VERIFYING OFFICER:- The DGM, EHT(O&M) Division, Meramundali is the Verifying Officer for contract.

19. PAYING OFFICER:- The DDO, EHT(O&M) Circle, Chainpal is the paying Officer for contract.

20. JURISDICTION OF COURT:- Suits if any, arising against the work order to be issued to the Bidder shall be filled by either party in any court of law to which the jurisdiction of Odisha High Court extends.

21. SAFETY PRACTICE:- The Bidder must be followed the OPTCL safety Rule while performing the Installation work (if required). The workmen must provided Safety equipment by the contractor while performing the works .No deviation will be allowed and the Divisional head has got any power to stop the work at any time on the breach of safety practice after getting intimation from consignee.



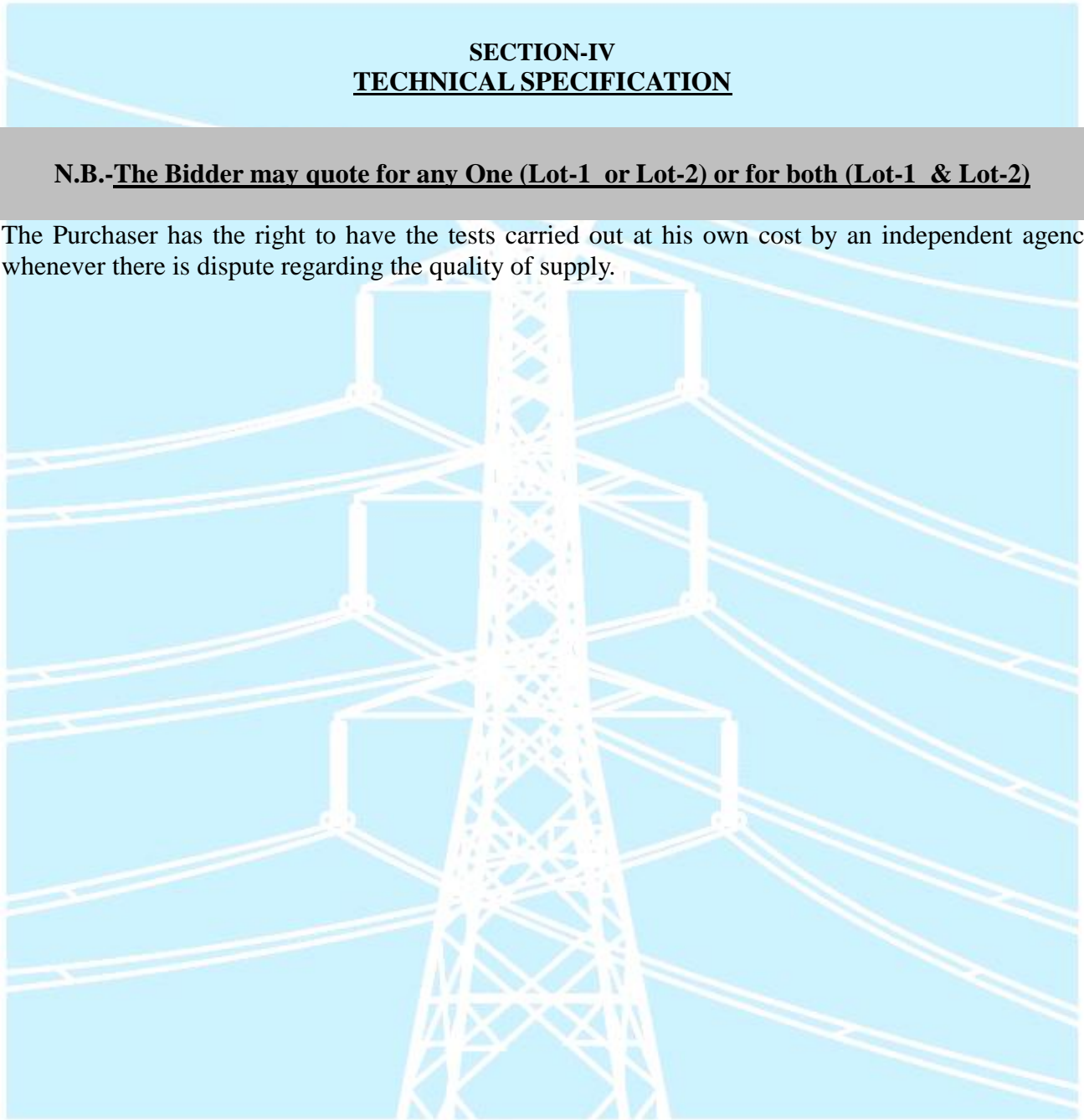
OPTCL

Lifeline of Odisha

SECTION-IV
TECHNICAL SPECIFICATION

N.B.-The Bidder may quote for any One (Lot-1 or Lot-2) or for both (Lot-1 & Lot-2)

The Purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is dispute regarding the quality of supply.



OPTCL

Lifeline of Odisha

LOT-1

Technical Specification & Price Bid- (ANNUNCIATOR FASCIA)

Technical Specification

JVS/Minima/Alan make, microprocessor based, 24 (4x6) window fascia alarm Annunciator of modular design with built in system watch dog. The annunciator shall have inbuilt DC supply fail indication. Individual Window dimension shall be more than 64mmX23mm BXH and lit by long life super bright high efficiency LED, display shall be Computer generated transparency. The fascia shall be front replaceable type.

Alarm and annunciation of each window initiation by means of potential free N/O or N/C contacts (field selectable) ; RED windows for TRIP & WHITE/YELLOW windows for NON-TRIP will be provided; standard ISA sequence of operation in built and which are field selectable ; site selection of operation from NO or NC potential free initiating contacts shall be possible. **The Annunciator shall fit to existing panel cut out dimension of 580 x 200mm. (WxH). Terminal connector to be provided at back side to connect to external pushbutton. Potential free contact terminal to be provided at back side for external Audio alarm.**

Repeat alarm contact 1 No (potential free) of rating 10A 220V DC/230 V AC for each window to be provided for future use.

Technical parameters

1. Rated supply voltage; 185 to 270V DC/AC
2. Flash rate : more than 30flash/min slow flash, more than 60flash / min fast flash
3. Response time 25+/-10m sec, <20 ms
4. Output Contact, 1NO trip, 1NO non trip
5. Contact rating. 5A 24V DC/230V AC
6. Operating Temp 0 to 60 deg humidity 95%
7. Power consumption less than 1.5 W per window

The bidder shall submit the following Type Test reports

A) Electrical

1. High voltage test 2KVAC between all terminals to body for 1 minute as per IS 3231.
2. 5 KV impulse test as per IS 8686/III/77.
3. High frequency disturbance test :- Longitudinal 2.5KV & Transverse 1KV test as per IS 8688/77 IEC 255 PART A / CLASS III.
4. Power supply unit to be tested for over voltage, under voltage and Short circuit protection.
5. Heat run test for 16 hours.

B) Mechanical And Environmental

1. Thermal stock test at 70 for 30 min.
2. Accelerated ageing test for 72 hrs at 90 C, as per IS9000/111/Sec3/77.
3. Damp heat test for 48hrs at 40 C at 95% RH, as per IS9000/79.
4. Bump test 100 bumps/axis about 1 bump/sec, as per IS9000/7/64.
5. Humidity test up to 95% RH.

Lifeline of Odisha

LOT-1

Technical Specification & Price Bid- **(ANNUNCIATOR FASCIA)**

Price Bid

SI No	Description of the Material	Unit	Qty	Unit cost In Rs.	Total unit Cost in Rs.
Supply of Materials					
A	JVS/Minima/Alan make, microprocessor based, 24 (4x6) window fascia Annunciator as per Technical specification,	Nos.	10		
B	Taxes if Any				
C	Grand Total (SI-A+ SI-B)				

In words: (.....
.....) Only

Signature of the Bidder with date

OPTCL

Lifeline of Odisha

LOT-2

Technical Specification & Price Bid- **(Digital Meter)**

Technical Specification

The meters shall be state of art microcontroller based design single-function digital panel meters for accurate and reliable measurement of electrical quantities (including voltage, current, power (Active and Reactive) and frequency). Computation shall be True root mean square (RMS) measurement. The Meters shall be compact, user-friendly and fit into existing 92 x 92 mm panel cut-outs. Measurable input current/Voltage shall be user programmable. The CT and PT ratio shall be fully onsite programmable through bush buttons on front side of meters and On-site set up for wiring configuration (3-phase 3-wire or 3-phase 4-wire). Display shall be atleast 4 digit 7 segment ultra-bright LED display. The meters shall have provision for auto scaling of voltage, current & Power. **The meters type tested as per Is 13875. The meters shall provision for connecting to future SCADA for sending meter data.**

Technical parameters

Accuracy class	O.5 F.S (+/-2digit)
Auxiliary power supply range	85 to 285V AC /DC
Burden	Aux Supply<3VA Measuring terminal<0.5VA
Protection class	IP 50 as per IEC 60529 IP 20 as per IEC 60259(terminals)
EFT Level:	2 kV Freq: 5 kHz EFT
ESD	Contact and air discharge: 8 kV
Temperature	0 °C to +50 °C (operating) -20 °C to +70 °C (storage)
Humidity	95% non-condensing
Overload capacity	Voltage 120% Vnom Current 120% Inom

OPTCL

Lifeline of Odisha

LOT-2

Technical Specification & Price Bid- **(Digital Meter)**

Price Bid

Sl No	Description of the Material	Unit	Qty	Unit cost In Rs.	Total unit Cost in Rs.
Supply of Materials (AE/Secure make)					
400KV Panel					
1	Digital Ammeter configured for CT ratio (2000-1000-500/1) and meeting the requirements specified above,	Nos.	33		
2	Digital Volt Meter configured for CVT ratio ($400\sqrt{3}/110/\sqrt{3}$), and meeting the requirements specified above,	Nos.	12		
3	Digital MVAR Meter configured for CVT ratio ($400\sqrt{3}/110/\sqrt{3}$) & CT ratio (2000-1000-500/1), and meeting the requirements specified above,	Nos.	13		
4	Digital MW Meter configured for CVT ratio ($400\sqrt{3}/110/\sqrt{3}$) & CT ratio (2000-1000-500/1), and meeting the requirements specified above,	Nos.	10		
5	Digital Frequency Meter for connecting with secondary of CVT with ratio ($400\sqrt{3}/110/\sqrt{3}$) range 45-55 Hz and meeting the requirements specified above,	Nos.	2		
220KV Panel					
6	Digital Ammeter configured for CT ratio (1200-600-300/1), and meeting the requirements specified above,	Nos.	2		
7	Digital Volt Meter configured for CVT ratio ($220\sqrt{3}/110/\sqrt{3}$), and meeting the requirements specified above,	Nos.	2		
8	Digital MVAR Meter configured for CVT ratio ($220\sqrt{3}/110/\sqrt{3}$) & CT ratio (1200-600-300/1), and meeting the requirements specified above,	Nos.	2		
9	Digital MW Meter configured for CVT ratio ($220\sqrt{3}/110/\sqrt{3}$) & CT ratio (1200-600-300/1), and meeting the requirements specified above,	Nos.	2		
A	Total				
B	Taxes if Any				
C	Grand Total (SI-A+ SI-B)				

In words: (.....
.....) Only

Signature of the Bidder with date

Lifeline of Odisha

SECTION-V

DECLARATION BY THE BIDDER

1. Name of the bidder with
Detailed postal address with
Contact Number.
2. Earnest money deposited vide Cash receipt/ Bank Draft No.....Dated.....
Amount in Rs.....(Rupees.....) only.
3. Tender Paper Purchased vide Cash receipt/ Bank Draft No.....Dated.....
Amount in Rs.....(Rupees.....) only.
4. Xerox copy of PAN/TIN:Furnished/ not furnished
5. Manufacturers/repairers LicenseFurnished/ not furnished
6. Xerox copy of VAT Registration certificate:Furnished/ not furnished
7. Xerox copy of VAT clearance certificate:Furnished/ not furnished
8. Xerox copy of Service Tax Registration No.Furnished/ not furnished
9. Agreed to furnish & accept Contract Security deposit clause:Yes/ No.
10. Agreed to accept payment terms as per Tender Specification.Yes/ No.
11. Agreed to adhere time period as per the contract:Yes/ No.
12. Agreed to accept penalty clause as per the tender:Yes/ No.
13. Attach past experience certificate for the similar jobs
in OSEB/ GRIDCO or any other agencies.Yes/ No.
14. Agreed to keep validity of the offer for one year from the
Date of tender opening without any variations in tender clause:Yes/ No.
15. Agreed to obtain labour contract license on event
of work order from the competent authority (if required):Yes/ No.

Date:
Place:

Signature of the Bidder
with seal

Lifeline of Odisha