

TENDER DOCUMENT

SOUTHCO UTILITY

OFFICE OF THE DEPUTY GENERAL MANAGER ELECTRICAL CIRCLE,
JEYPORE, ODISHA

TENDER NOTICE NO: 07/2016-17/DGM/JYPR

FOR

TURNKEY CONTRACTS FOR (SUPPLY, ERECTION & COMMISSIONING)

**Dedicated 11KV Power supply to New District Head Quarter
Hospital, Malkangiri**

The last date and time of submission of bids: dt. **30.05.2017 upto 12.00Hrs**

Date and time of opening of Techno commercial bids: dt. **31.05.2017 at 15.30Hrs**

Dy. General Manager (Elect.)
Electrical Circle, Jeypore

DY GENERAL MANAGER, ELECTRICAL CIRCLE,JEYPORE

Ref No. 1118

Date:11.05.2017

Tender Notice No.- 07/2016-17/DGM/JYPR

SOUTHCO Utility invites sealed bids in duplicate on two part bidding system from experienced, qualified and eligible bidders having valid HT Electrical License and Civil license from Govt of Odisha who comply with the terms and conditions for the following work on turnkey basis.

SL No.	Brief description of work	Approx. cost of work (In Rs. Lacs)	Earnest money deposit (In Rs.)	Non-refundable cost of bid Document incl. VAT (5%) (In Rs.)
1	Dedicated 11KV Power supply to New District Head Quarter Hospital, Malkangiri	54.714	54,720	10500

The tender documents will be available from the office of the undersigned during office hours on working days on payment of Rs.10,500/- in shape of cash / Bank Draft in favour of Dy. General Manager Electrical Circle, Jeypore, payable at Jeypore (Non-Refundable).

1. Sale of bid documents will be from :dt. 13.05.2017
2. Last date / time of submission of bids :dt. 30.05.2017 upto 12.00Hrs.
- 3 Date & time for opening of bids(Part-I): dt.31.05.2017 at 15.30 Hrs.

SOUTHCO Utility reserves the right to alter the tendered quantity and reject / accept any or all tenders or split the tender among bidder's without assigning any reason thereof

Dy. General Manager
Electrical Circle, Jeypore

Section – I

INVITATION FOR BIDS (IFB)

Tender Notification: 06/2016-17/DGM/JYPR

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

1.0 **SOUTHCO Utility** invites sealed tenders in duplicate from reputed Electrical Contractors with required license, for carrying out various Electrical Installation works on 'Turnkey' basis in the jurisdiction of its licensed area. The bidder must fulfill all the qualification requirements as specified in clause 2.0 stated below. The sealed envelopes shall be duly superscribed as "**TENDER NOTICE No: 07/2016-17/DGM/JYPR. Due date of opening-31/05/2017**"

SI No.	Brief Description of Works	Estimated Cost(Rs In Lacs)	EMD (Rs)	Last date /time for submission of bids	Date and time of opening of bid	Non refundable Cost of Bid Document (Incl. VAT 5%)in Rs.
1.	Dedicated 11KV Power supply to New District Head Quarter Hospital, Malkangiri	54.714	54,720	30.05.17 upto 12.00Hrs	31.05.17 at 15.30Hrs	10500

2.0 Bidders to be considered as eligible (to bid) should meet the following qualifications;

(a) Bidder must quote for the entire quantum of works.

(b) The bidder should have installed and commissioned the 100% quantum of work as specified in above scope.

The bidder must have executed the quantum of work as mentioned in the scope during the last three financial years proceeding to the year of tender notification and should have successful operation of minimum period of one year. Bidder must enclose copies of the relevant work orders along with client certified copies of Final Tax Invoices and/or Performance Certificates dully signed by the competent authority of the client and/or Final Inspection certificate issued by Electrical Inspector in proof of having executed the desired quantum of works during the last three financial years.

(c) The minimum average Annual Turnover of the bidder in any best three financial years out of the last five financial years should not be less than 50% of estimated value of the work.

Bidder must enclose copies of the Audited Balance Sheets and Profit /Loss A/c of last three financial years.

(d) Bidder shall be financially sound and stable having liquid assets as stated in the enclosed format and/or access to credit facility of not less than one fifth of estimated cost of the package.

(e) In addition to above the bidder should submit the following documents in **Part-I** bid as qualifying terms.

- i. Valid electrical (HT) license for electrical works.
- ii. EPF registration
- iii. ESI registration
- iv. Service Tax registration
- v. VAT Clearance Certificate

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- vi. PAN & TIN No.
- vii. Existing Labour license.
- viii. Registration under Building and Other Construction Workers Welfare Cess.

If the registration required not belongs to area of execution, then the bidder shall have to furnish Service tax registration, ESI and Labour license within 45 days of receipt of the order.

(f) The bidders who have earlier failed to execute the works order(s) of the **Owner** shall not be eligible to participate in this tender.

(g) Owner reserves the right to waive minor deviation, if they do not materially affect the capacity of the bidder to perform the contract.

3.0 Bids specification document can be obtained from the office of the undersigned on payment of Rs.10500 towards non-refundable cost of bid documents (Including VAT) through cash/Bank DD drawn in favour of **Dy. General Manager, Electrical Circle, Jeypore** payable **at Jeypore**, during office hours from 10AM to 12 Noon till dt.**30.05.2017**.

4.0 The tender documents can also be downloaded from Southco Utility websites www.southcoodisha.com. In case tender papers are downloaded from these websites, then the bidder has to enclose a Demand Draft. drawn on any schedule bank in favour of Dy. General Manager Electrical Circle, Jeypore,, payable at Jeypore, covering the cost of bid documents as stated above in a separate envelope with suitable superscription “ **Cost of Bid Documents: Tender Notice No: 07/2016-17/DGM/JYPR Dtd: 11.05.2017**”. The envelope should accompany the Bid Documents.

5.0 Price shall be inclusive of all taxes & duties.

Project Completion Schedules:-

Description	Date
Issue of Bid Document	13.05.2017
Last date of Submission of Bids	30.05.2017
Opening of Bids(Techno commercial Bid)-part-I	31.05.2017 at 15.30Hrs.
Opening of Bids(Price Bid)	Will be Communicated
Completion period	To be completed within 60 days from the date of issue of Work Order.

6.0 **Part-I of the bid (Techno commercial Bid) will be opened on Dated 31.05.2017 at 03.30PM** as indicated above, in the presence of the authorized representatives of the Bidders. Bidders shall depute only one representative to attend pre bid meeting and tender opening if they wish to be represented. The undersigned reserves the right to reject any or all tenders if the situations so warrants.

7.0 All correspondences with regard to the above shall be made to the following address:

**Dy. General Manager (Elect.), Electrical Circle , Jeypore, Southco Utility,
Power House Colony, Malkangiri Road, Jeypore,
District- Koraput ,
PIN-764001 (Odisha)**

Dy. General Manager (Elect.)
Electrical Circle, Jeypore

Section – II

GENERAL CONDITIONS OF CONTRACT (GCC)

Tender Notification : 07/2016-17/DGM/JYPR

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

1.0 GENERAL: -

Dy. General Manager, Electrical Circle, Jeypore, hereinafter referred to as the "Owner" is desirous of implementing the various works at its licensed area in the state of Odisha on Total Turnkey Basis under Deposit Head. The "Owner" has now floated this tender for the following works.

SCOPE OF WORKS : -

1.For Dedicated 11KV power supply to 628KW/ 697.77KVA load New District Head Quarter Hospital (DHH), Malkangiri

- (I) Construction of 11 KV tapping point at 33/11KV Primary Sub-Station, Malkangiri.
- (II) Renovation of Existing 11 KV Bus-Bar in side Primary Sub-Station, Malkangiri
- (III) Installation of 11 KV VCB with accessories-1No.
- (IV) Construction of DP Structure with Cantilever Arrangement for Installation 11KV Line AB Switch & 11 KV HG Fuse
- (V) Construction New Pin Point -1 No & Cut-Point -1 No near PSS, Malkangiri
- (VI) Construction 3-phase 3 wire 11 KV line with 9 mtr long 300 kg PSC pole and 55 mm² AAAC,(70 mtrs span length).
- (VII) Construction 3-phase 3 wire 11 KV line using XLPE Cable and 11 KV Road Crossing Guarding.
- (VIII) Construction of DP for 11KV Metering Unit with 10mtr. Long 330Kg. PSC pole.
- (IX) Construction of DP mounted 11/0.4KV, 500 KVA S/S Using 9 mtr long 300 KG PSC pole -2 Nos.
- (X) Civil Items like Construction of Plinth ,Boundary wall, sand & metal spreading etc.

2.01 The scope shall include supply and installation of all materials & equipments as per REC standard to complete the works

2.02 The detailed scope of the works shall include;

- i. Detailed survey of substation, line and preparation of SLD / BOQ to be done by the bidder
- ii. Erection of equipments in Sub-station including civil works.
- iii. Erection of lines of specified voltage.
- iv. Getting the substations & lines inspected by Electrical Inspector after completion of work.

3.0 DEFINITION OF TERMS

- (i) The '**Contract**' means the agreement entered into between the Owner and the Contractor as per the Contract Agreement signed by the parties, including all attachments and appendices there to and all documents incorporated by reference therein.
- (ii) '**Owner**' shall mean SOUTHCO Utility and shall include its legal representatives, successors and assigns.
- (iii) '**Contractor**' shall mean the Bidder whose bid will be accepted by the Owner for the award of the Works and shall include such successful Bidder's legal representatives, successors and permitted assigns.

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- (iv) **'Sub-Contractor'** shall mean the person named in the Contract for any part of the works or any person to whom any part of the Contract has been sublet by the contractor with the consent in writing of the Owner and will include the legal representatives, successors and permitted assigns of such person.
- (v) **'Engineer-in-Charge'** shall mean the officer appointed in writing by the Owner to act as Engineer from time to time for the purpose of the Contract.
- (vi) **'Specifications'** shall mean the specifications and Bidding Document forming a part of the Contract and such other schedules and drawings as may be mutually agreed upon.
- (vii) **'Site'** shall mean and include the land and other places on, into or through which the works and the related facilities are to be erected or installed and any adjacent land, paths, street or reservoir which may be allocated or used by the Owner or Contractor in the performance of the Contract.
- (viii) **'Inspector'** shall mean the Purchaser or any person nominated by the Owner from time to time, to inspect the equipment; stores or Works under the Contract and/or the duly authorized representative of the Owner.
- (ix) **'Notice of Award of Contract' / 'Letter of Award'** shall mean the official notice issued by the Owner notifying the Contractor that his bid has been accepted.
- (x) **'Date of Contract'** shall mean the date on which notice of Award of Contract/ Letter of Award has been issued.
- (xi) **'Performance and Guarantee Tests'**, shall mean all operational checks and tests required to determine and demonstrate capacity, efficiency, and operating characteristics as specified in the Contract Documents.
- (xii) The term **'Final Acceptance' / 'Taking Over'** shall mean the Owner's written acceptance of the works performed under the Contract, after successful commissioning/ completion of Performance and Guarantee Tests, as specified in the accompanying Technical Specifications or otherwise agreed in the contract.
- (xiii) **'Commercial Operation'** shall mean the condition of operation in which the complete equipment covered under the Contract is officially declared by the Owner to be available for continuous operation at different loads up to and including rated capacity. Such declaration by the Owner, however, shall not relieve or prejudice the Contractor of any of his obligations under the Contract.
- (xiv) Words imparting **'Person'** shall include firms, companies, corporations and associations or bodies of individuals, whether incorporated or not.
- (xv) Terms and expressions not herein defined shall have the same meaning as are assigned to them in the Indian Sale of goods Act (1930), failing that in the Indian Contract Act (1872) and failing that in the General Clauses Act (1897) including amendments thereof, if any.
- (xvi) In addition to the above the following definition shall also apply

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- a) '**All equipment and materials**' to be supplied shall also mean '**Goods**'
- b) '**Constructed**' shall also mean erected and installed.
- c) '**Contract Performance Guarantee**' shall also mean '**Contract Performance Security**'.

4.0 SUBMISSION OF TENDER: -

4.01 Sealed tenders in duplicate in Two parts, each complete in all respects in the manner hereinafter specified are to be submitted at **Dy. General Manager, Electrical Circle, Jeypore** on or before the date and time specified in the notice inviting the tenders. Bids shall be submitted as per format provided in **Section III & Section IV** . Each copy of the bids (original and duplicate) shall be submitted in separate double sealed envelopes superscripted on each of the covers the tender specification number and the due date of opening of the bids on the right hand top side of the envelop. On the left top side original/ duplicate as is relevant shall be written.

4.02 The tenders are required to be submitted in Two Parts each in separate double sealed covers.

- Part - I: Superscribed as "**Technical and commercial bid**" shall contain EMD, Cost of Bid Documents and Techno commercial documents.
- Part - II, Superscribed as "**Price Bid**". The Part - II should contain only Price bid.

4.03 Fax and Telegraphic tenders shall not be accepted.

4.04 Receipt of bids/ revised bids after the cut off time and date as specified in the Tender specification shall not be permitted and such bids shall be rejected outright. The Owner shall not be responsible for any delay in transit in post / courier etc. in this regard.

5.0 VALIDITY:-

The offer shall be valid for a period not less than **180 days** from the date of bid opening.

6.0 PRICE: -

Bidders are required to quote firm price as per the prescribed format enclosed. The quoted price shall be firm and inclusive of all taxes, duties, freight & insurance and other levies, if any. Owner shall not be liable to pay anything extra over and above the quoted price.

7.0 RECEIPT AND OPENING OF THE BID: -

7.01 Bids as described under clause 4.0 shall be received in the office of the Owner and shall be opened on the scheduled date and time. The Owner's authorized representatives shall open bids in the presence of Bidders' representatives on the date and time for opening of bids as specified in the Invitation to Bid or in case any extension has been given thereto, on the

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extended bid opening date and time notified.

- 7.02 Maximum one representative for each bidder shall be allowed to witness the opening of bids. The representative must produce suitable authorization in this regard to be eligible to witness the bid opening on behalf of the bidder. Bidders' representatives who are present shall sign in a register evidencing their attendance.
- 7.03 The Bidders' names, bid prices, modifications, bid withdrawals and the presence or absence of the requisite bid guarantee and such other details as the Owner, at its discretion, may consider appropriate will be announced at the opening. No electronic recording devices will be permitted during bid opening.
- 7.04 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the Owner's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

8.0 EVALUATION OF BIDS & AWARD OF CONTRACT:

- 8.01 To assist in the examination, evaluation and comparison of Bids, the Owner may, at its discretion, ask the Bidder for a clarification of its Bid. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.
- 8.02 Owner will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.
- 8.03 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.
- 8.04 Prior to the detailed evaluation, Owner will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.
- 8.05 The Owner's evaluation of a Bid will take into account, in addition to the Bid price, the following factors, in the manner and to the extent indicated in this Clause:

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- (a) Work Schedule
- (b) Deviations from Bidding Documents

- 8.06 The Owner will award the Contract to the successful Bidder whose Bid has been determined to be the lowest - evaluated responsive Bid,, when the lowest bidders is not ready and/or capable to undertake the entire work envisaged, then the Owner may explore the possibility of the execution of works through other bidders if they are willing to execute at L₁ rate. Such exploration shall be carried out in a sequential order starting with L₂ bidder then with L₃ bidder and so on.
- 8.07 In case of omission of any item in the price bid or the price for the item has not been quoted by the firm, then zero cost shall be loaded to the bid and the contract shall be awarded with zero cost that means the firm will have to bear the cost of that item entirely as the item price shall be considered as inclusive anywhere in other items. The bidder shall have to give an undertaking to the effect that prices for any item not quoted shall be treated as free supply or to be done free of cost.

9.0 EARNEST MONEY DEPOSIT (EMD):-

- 9.01 The Tender must be accompanied by Earnest Money Deposit(EMD) in shape of Demand Draft in favour of Dy. General Manager, Electrical Circle, Jeypore of **Rs. 54,720/-**. Bids without EM deposit will be rejected out rightly.
- 9.02 No adjustment of any previous deposit or any amount payable from Owner shall be entertained for EMD. The EMD amount so submitted shall not carry any interest payable to the bidder.
- 9.03 The Earnest Money so deposited shall be forfeited:
- (a) if the Bidder:
 - i) Withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form;or
 - (b) in the case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract, or
 - (ii) To furnish the required Contract Performance Bank Guarantee.
- 9.04 The EMD of unsuccessful bidders shall be returned within 30 days from the date of finalization of the order.

10.0 OWNER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD:

While placing orders and / or during execution of contract, Owner reserve the right to increase or decrease the quantity of goods and services specified in the Schedule of

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Requirement upto 20% of the tender quantity without any change in price or other terms and conditions.

11.0 INSPECTION AND TESTING:-

a. All the materials shall be inspected by the Owner/Engineer-in-charge/ Any Authorised Representative of the owner as per relevant IS at the contractor's worksite / manufacturing works. The contractor shall give the owner advance notice in writing about the place at least 07 days before the schedule date on which the material will be ready for Inspection & Testing.

b. The Engineer-in-charge shall be entitled at all reasonable times during manufacture / installation to inspect examine and test the materials at the contractor's premises / erection site about workmanship of the materials to be supplied under this contract. If the said materials are being manufactured in other premises, the contractor shall provide unhindered clearance, giving full rights to the purchaser to inspect, examine and test as if the materials were being manufactured in his premises. Such inspection / examination and testing shall not relieve the contractor of his obligations to execute the contract by letter and spirit. The contractor shall give the purchaser advance notice in writing of the Date and the Place at which the materials will be ready for inspection & testing. The inspecting officer's coordinating office for the entire work shall be the Owner's authorized representative.

12.0 COMPLETION AND COMPLETENESS OF THE EQUIPMENT:-

12.01 Time being the essence of the contract; the works shall be completed within **(sixty)60 days** from the date of issue of work order.

12.02 **Owner** however reserves the right to re-schedule the completion period, if required.

13.0 REJECTION OF MATERIALS: -

In the event of the materials supplied by the contractor and /or the installation works are found to be defective in quality and the workmanship is poor or otherwise not in conformity with the requirements of the contract specification (Technical Specification as enclosed), Owner shall reject such materials / services and ask the contractor in writing to replace / rectify the defects. The contractor on receipt of such notification shall rectify or replace the defective materials and/or re-install the works already executed, free of cost to the Owner. If the contractor fails to do so the Owner may at his option take the following actions which could be on concurrent basis.

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- A) Replace or rectify such defective materials and recover the extra cost so involved plus 25% from the Contractor.
- B) Terminate the contract for balance supply and erection with enforcement of penalty as per contract.
- C) Acquire the defective materials which deviate from the owners specification at reduced price considered acceptable under the circumstances.
- D) Forfeit the Contract Performance Bank Guarantee.

14.0 EXPERIENCE OF BIDDERS: - The bidders are required to furnish information regarding their experience on the following aspects as per format provided in **Section – VI, Annexure VII :**

- i. Description of similar type of work with same or higher voltage level executed during the last three years with the name(s) of the party(s) to whom / where supplies / erection were made.
- ii. The list of testing equipments/ facilities available to execute the contract covering both OSM and supply by the Contractor himself. Also the area of access of the Contractor through other agency must be indicated.
- iii. Final Tax Invoice , work orders details executed (construction work) during the last three years along with Electrical inspection report copies and copies of user's performance certificates.

Bids may not be considered if the past performance is found to be un-satisfactory.

15.0 DEVIATION FROM SPECIFICATION: -

The bidders are requested to study the specification thoroughly before tendering so that if they make any deviations, the same are prominently brought on a separate sheet under the headings "**Deviations**". All such deviations to the technical & commercial terms of the specification shall be indicated in a separate list as indicated above. In absence of such deviation schedule, it will be presumed that the bidder has accepted all the conditions stipulated in the tender specification, notwithstanding any deviations mentioned elsewhere in the Bid. However the acceptance of deviation is not binding on the Owner.

16.0 GUARANTEE PERIOD: -

- 16.01 The materials to be supplied by the contractor shall be guaranteed for satisfactory operation against defects in design and workmanship for a period of **24 months** from the date of handing over the completed installations after commercial operation at required voltage level.

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16.02 The above guarantee certificate shall be furnished in triplicate to the **Owner** for his approval. Any defects noticed during the above period should be rectified by the Contractor free of cost to the Utility provided such defects are due to faulty design, bad workmanship or bad materials used on receipt of written notice from the Owner. Any such defects as notified by the Owner shall be rectified by the contractor within one month failing which the Owner will set right the defects through other agencies and recover double the cost so incurred either from any pending invoices or Bank Guarantee.

17.0 PENALTY FOR DELAY IN COMPLETION OF CONTRACT: -

17.01 If the contractor fails to complete the works by the scheduled period or any extension granted thereby, the contractor shall be liable for payment of penalty amounting to 0.5% (half percent) of the contract price per week of un-finished works subject to the maximum of 5% (five percent) of the total contract price and subject to force majeure conditions. The Penalty/ Liquidated damage as written above will be levied if any deviation to the schedule on any item of works due to the fault of the contractor is observed.

17.02 Penalty amount can be realized from the proceeds of the Contract Performance Bank Guarantee, if the situation so warrants.

17.03 Extension of completion of work period could be with / without levy of penalty with the discretion of Owner.

18.0 RIGHT OF WAY: Right of way issues, if any, arising during execution of the works shall have no liability on the Owner. These issues shall be settled at the sole discretion of the Contractor. The Owner shall however extend all possible help to the Contractor including discussion with the local authorities for early resolution of these issues.

Right of way issues, if any, arising during execution of the works may be sorted out with the help of Executive Engineer(Elect.), MED, Malkangiri including discussion with District Administration.

19.0 FORCE MAJEURE: -

The Contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of Force Majeure such as "acts of God, acts of the Public enemy, acts of Govt., Fires, Flood, Epidemics, Quarantine restrictions, Strikes, Freight Embargos and provided that the Contractor shall within ten (10) days from the beginning of such delay notify the Owner in writing of the cause of delay. The Owner shall verify the facts and grant extension as facts justify

20.0 EXTENSION OF TIME: -

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If the delivery of the equipments / materials is delayed due to reasons beyond the control of the Contractor, the Contractor shall immediately **within 3 days** inform the Owner in writing of his claim for an extension of time. The Owner on receipt of such notice may agree to extend the contract period as may be reasonable but without prejudice to other terms & conditions of the contract.

21.0 SAFETY PRECAUTIONS:-

The agency shall observe all applicable regulations regarding safety at the Site. Any compensation due on account of accident at site shall be to the contractor's account.

22.0 STORE: - Storing of materials from supply to erection shall be arranged by the contractor at his own cost. No compensation shall be made by the Owner for any damage or loss of materials during storing, transit transportation and at the time of erection.

23.0 ENGINEER IN CHARGE:-

Executive Engineer, Malkangiri Electrical Division, Malkangiri will be the Engineer In charge.

24.0 CONTRACT PERFORMANCE BANK GUARANTEE:-

24.01 Within 07 days of issue of the Works Order or Letter of Award, whichever is earlier, the Contractor shall submit Contract Performance Bank Guarantee issued by a scheduled Bank, in favour of the Owner, covering 10% of the total value of the works order.

24.02 The said Bank Guarantee shall be prepared in the prescribed Performa as attached in **Section III, Annexure – III, IV**. The Bank Guarantee furnished shall be executed on Non-judicial Stamp paper worth of Rs 100/- (Rupees Hundred only), purchased in the name of the issuing bank, as per the prevalent rules. The Bank Guarantee so provided shall be encashable on the Jeypore branch of the issuing Bank.

24.03 The Contract Performance Bank Guarantee shall remain valid for a period not less than 90 days over and above the guarantee period, basing on stipulated completion period in the W.O. towards security and acceptance thereof, failing which the works orders (W.O) will be liable for cancellation without any further notice with forfeiture of E.M.D.

24.04 No interest shall be allowed by the Owner on the above Performance Security Deposit submitted by the Bidder except in case of demand draft or cash deposit.

25.0 ADDITIONAL PERFORMANCE SECURITY:

Additional Performance Security shall be obtained from the bidder when the bid amount is less than the estimated cost put to tender .In such an event ,the bidders who have quoted

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less bid price/rates than the estimated cost put to tender shall have to furnish the exact amount of differential cost i.e. estimated cost put to tender minus the quoted amount as Additional Performance Security in shape of Demand Draft / Term Deposit Receipt pledged in favour of the Divisional Officer in the sealed envelope along with the price bid at the time of submission of bids.

The bids of the technically qualified bidders will be opened for evaluation of the price bid. In case of the bidders quoting less bid price / rate than the estimated cost put to tender and have not furnished the exact amount of differential cost (i.e. estimated cost put to tender minus the quoted amount) as Additional performance Security in shape of Demand Draft /Term Deposit Receipt, their price bid will not be taken in to consideration for evaluation even if they have qualified in the technical bid evaluation.

26.0 TERMS OF PAYMENT:

26.01 **80%** (Eighty Percent) of contract price along with taxes and duties shall be paid after completion of the work followed with proper certification by the Executive Engineer (Elect.), MED, Malkangiri submitted within 30 days to DGM, Electrical Circle, Jeypore and on the basis of check points involved in such items of works. The work should be inspected by Electrical inspectorate after completion of the work.

26.02 Balance 20% (Twenty Percent) of contract price shall be released after completion of all works, envisaged including any additions and alterations, testing & commissioning, return of dismantled materials/ un-used free supply material, taking over certificate and entire stretch is fully ready for commercial operation. The payments shall be subjected to clearance from electrical inspectorate. The payments shall be made after deduction of statutory dues and taxes.

The Engineer -in-charge, has to submit a certificate regarding completion of work after due verification in the field as per specification.

26.03 Only one(01) running bill shall be entertained for payment.

27.0 PAYING OFFICER:

Owner shall notify the paying officer for the project.

28.0 OWNER'S RIGHTS: -

The Owner reserves the right to accept any bid or reject any or all bids or cancel /withdraw invitation of bid or to vary the quantity for placement of order without assigning any reason to such decision. Such decision by the Owner shall bear no liability.

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29.0 DISPUTE RESOLUTION AND JURISDICTION : -

(i) Any dispute arising out of this contract shall be referred to the Authorised officer, SOUTHCO utility who shall decide the case as Sole Arbitrator.

(ii) All disputes shall be subjected to exclusive jurisdiction of the Courts at Malkangiri and the writ jurisdiction of Hon'ble High Court of Odisha at Cuttack.

30.0 TRANSFER AND SUB-LETTING

The Contractor shall not sublet, transfer, assign or otherwise part with the Contract or any part thereof, either directly or indirectly, without prior written permission of the Owner.

31.0 DRAWINGS

Within 07 days of contract commencement the contractor shall submit, for approval by the Engineer in Charge, a schedule of the drawings to be produced. The schedule shall also provide a program of drawing submission, for approval by the Engineer in Charge. All drawings and design should be submitted to Engineer-In-Charge within the period specified above.

32.0 TAKING OVER

Upon successful completion of the tests to be performed at site on equipment /materials supplied, and erected and commissioned by the contractor, the supply engineer shall issue to the contractor a taking over certificate as a proof of the final acceptance of the equipment / materials on a written request within 10 days of commercial operation. Such certificate shall not be un-reasonably withheld nor will the engineer delay the issuance thereof on account of minor omission or defects, which do not affect the commercial operation and / or cause any serious to the equipment/material. **The conditional Taking over Certificate can be issued if any minor omission or defects pointed by the Engineer-in-charge / Electrical Inspector.** The contractor should rectify those defects within a month failing which department will rectify those by replacing those materials or engaging other agencies. The amount so involved will be fully recovered from the contractor's bill. Such certificate shall, however, not relieve the contractor of any of his obligations which otherwise survive by the terms & conditions of the contract after issuance of such certificate.

33.0 LATENT DEFECT WARRANTY

The period of latent defect warranty in terms of this bidding documents, shall be limited to five (05) years from the date of completion of Guarantee period.

Dy. General Manager
Electrical Circle, Jeypore

Section - III

FORMS AND FORMATS

Tender Notification No: 07/2016-17/DGM/JYPR

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

Annexure-I

BID PROPOSAL LETTER

Electrical Installation of Works under SOUTHCO

Bidder's Name and Address:

(in case of JV/Consortium, Name of JV/Consortium)

Bid Proposal Reference:

Person to be contacted:

Designation:

Telephone No. :

E-mail:

Fax No. :

To

The Dy. General Manager

Electrical Circle, Jeypore, Southco Utility, Odisha

Tel No. -----, Fax No. -----

Dear Sir,

We the undersigned bidder have read and examined the detailed specification and bidding documents for execution of various electrical installations works and do herewith submit our bid for the following packages:

Sl. No.	Name of the Owner	Name of the Package	Estimated Cost (Rs. in lakhs.)

We declare the following:

1.0 PRICES AND VALIDITY:

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

- 1.01 All the prices and price components stated in our bid proposal are firm and not subject to any price adjustment, in line with the bidding documents. All the prices and other terms and conditions of this proposal are valid for a period of 180 days from the date of opening of the bids. We further declare that prices stated in our proposal are in accordance with "Instructions to Bidders" of bidding documents.
- 1.02 We do hereby confirm that our bid prices as quoted in attached Schedules include all import duties and levies including license fees lawfully payable by us on imported items and other taxes, duties and levies applicable on bought – out components, materials, equipment and other items and confirm that any such taxes, duties and levies additionally payable shall be to our account.
- 1.03 We confirm that the Sales tax on Works Contract, Turnover Tax or any other similar taxes under the Sales Tax Act, as applicable, are included in our quoted bid price and there shall not be any liability on this account to the Purchasers. We understand that Owner shall, deduct such taxes at source as per the rules and issue TDS Certificate to us.
- 1.04 We confirm that, in our Bid Price, we have considered service tax in line with lawful prevalent practice.
- 1.05 Price components of various items are indicated in the B.O.Q. for the respective works.
- 1.06 We further declare that while quoting the price, the due credit under MODVAT scheme, re-christened as CENVAT scheme, as per relevant Government policies wherever applicable, have been taken into account.
- 1.07 We, having studied the bidding document in three volumes relating to taxes & duties and hereby, declare that if any income tax, charge on income tax or any other corporate tax is attracted under the law, we agree to pay the same.
- 1.08 We are aware that the Price schedules do not generally give a full description of the supplies to be made and work to be performed under each item and we shall be deemed to have read the Technical Specifications and other bidding documents and drawings to ascertain the full scope of work included in each item while filling in the related and prices. We agree that the entered rates and prices shall be deemed to include the full scope as aforesaid, including overheads and profits.
- 1.09 We understand that in the price schedule, if there is discrepancy between the unit price and total price, the same shall be corrected as per relevant provisions.
- 1.10 We declare that prices for items left blank in the schedules will be deemed to have been included in other items. The TOTAL for each schedule and the TOTAL of Grand summary shall

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

be deemed to be the total price for executing the facilities and sections thereof in complete accordance with the contract, whether or not each item has been priced.

2.0 CONSTRUCTION OF THE CONTRACT

2.01 We declare that we are making the offer on the basis of indivisible supply-cum- Erection contract on a single source responsibility basis.

3.0 BID SECURITY (EMD)

We are enclosing Bank Draft / Bank Guarantee No. _____ dtd. _____ amounting to Rs.----- (Rupees _____ only) issued by Bank ----- branch, payable on Jeypore towards Bid Security against our above Bid. The Bid Security amount has been computed by adding the Estimated Cost of the package no.s ----- for which we are submitting our bid.

4.0 EQUIPMENT PERFORMANCE GUARANTEE

We declare that the ratings and performance figures of the equipment to be furnished and erected by us are guaranteed. The Guaranteed particulars of different equipments are enclosed along with our bid.

5.0 BID PRICING

We further declare that the prices stated in our proposal are in accordance with your 'Instruction of Bidders of Conditions of Contract, Volume-1 of the bid documents.

6.0 PRICE ADJUSTMENT

We declare that all the prices and price components stated in our offer are on FIRM price basis.

7.0 QUALIFICATION

We confirm having submitted the Qualification Data in original plus one copy, as required by you as per clause in 'Invitation for Bids'. Further we have filled in the information for qualification requirements. In case you require any further information in this regard, we agree to furnish the same in time.

8.0 DEVIATIONS

8.01 We declare that the contract shall be executed strictly in accordance with the specifications and documents except for the variations and deviations all of which have been detailed out exhaustively in the following schedules, irrespective of whatever has been stated to the contrary anywhere else in our proposal.

a) Commercial Deviations Schedule

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

b) Cost of withdrawal of Deviations on Critical

c) Technical Deviation Schedule

8.02. We confirm that specified stipulation of following critical clauses is acceptable to us and no deviations/exceptions are taken on any account whatsoever in the following clauses:

- (a) Payment Terms :
- (b) Bid Guarantee :
- (c) Contract Performance Guarantee :
- (d) Liquidated Damages for delay :
- (e) Prices and Price Adjustment :
- (f) Guarantee / Warrantees :

8.03. Further, we agree that the additional conditions, deviations, if any, found in our bid proposal documents other than those stated in attached Deviation Schedules, save that pertaining to any rebates offered, shall not be given effect to.

9.0 ADDITIONAL INFORMATION

We have included with this proposal additional information listed. We further confirm that such additional information does not imply any additional deviation beyond those covered in appropriate schedules and in case of any contradiction between these additional information and other provisions of Bid, the latter prevail.

10.0 GUARANTEE DECLARATION

We guarantee that the equipment offered shall meet the rating and performance requirements stipulated in this specification. The Guarantee Declaration which shall attract levy of liquidated damages for non-performance is indicated in the relevant schedule.

11.0 BOUGHT-OUT AND SUB-CONTRACTED ITEM

We are furnishing herewith at appropriate Schedule, the detail of all major item of supply amounting to more than 10% of our Bid Price, which were propose subletting giving detail of the name of sub-contractor/sub-vendor and quantity for each item.

12.0 WORK SCHEDULE

If this proposal is accepted by you, we agree to submit engineering data, provide services and complete the entire work from time to time, in accordance with schedule indicated in the proposal. We fully understand that the time schedule stipulated in this proposal is the essence of the contract, if awarded. The completion schedule of the various major key phases of the work is indicated in the designated schedule.

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

13.0 CONTRACT PERFORMANCE GUARANTEE

We further agree that if our Bid is accepted we shall provide an irrevocable Bank guarantee towards Contract Performance Guarantee, of value equivalent to ten percent (10%) of the Contract Price initially valid up to the end of ninety (90) days after the end of the contract warranty period in the form of Bank Guarantee in your favour within 15 (fifteen) days from the date of 'Notice of Award of Contract' /Work Order.

14.0 CHECK LIST

We have included a check list duly filled in Schedule. We understand that only this check list, commercial and technical deviation will be read out during the part-I bid opening before the bidders present.

We, hereby declare that only the persons or firms interested in this proposal as principals are named herein and that no other persons or firms other than those mentioned herein have any interest in this proposal or in the contract to be entered into if we are awarded the contract, and that this proposal is made without any connection with any other person, firm or party likewise submitting a proposal and that this proposal is in all respect for and in good faith, without collusion or fraud.

Dated thisday of20....

Thanking you,

Yours faithfully,

(Signature of the Authorized Signatory)

DECLARATION FORM

To,

**The Dy. General Manager
Electrical Circle, Jeypore**

Sir,

Having examined the above specifications together with the Tender terms and conditions referred to therein

- 1 - I / We the undersigned do hereby offer to execute the contract covered there on in complete shape in all respects as per the rules entered in the attached contract schedule of prices in the tender.
- 2 - I / We do hereby under take to have executed the contract within the time specified in the tender.
- 3 - I / We do hereby guarantee the technical particulars given in the tender supported with necessary reports from concerned authorities.
- 4 - I / We do hereby certify to have purchased a copy of the tender specifications by remitting Cash / Demand draft & this has been duly acknowledged by you in your letter No.....Dt.....
- 5 - I / We do hereby agree to furnish the composite Bank Guarantee in the manner specified / acceptable by SOUTHCO & for the sum as applicable to me / us as per clause No.29 of GCC of this specification within fifteen days of issue of Letter of intent / Work Order , in the event of Work order being decided in my / us favour , failing which I / We clearly understand that the said LOI / W.O. shall be liable to be withdrawn by the Owner.

Signed this.....Day of.....20...

Yours faithfully

(Signature of Bidder with Seal of Company)

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

ANNEXURE – III

PROFORMA FOR CONTRACT PERFORMANCE BANK GUARANTEE

(To be executed on Rs. 100/- Non-judicial Stamp Paper purchased in the name of the BG Issuing Bank)

This Guarantee Bond is executed this ____ day of _____ by us,

_____ Bank at
_____ P.O. _____ P.S. _____ Dist _____ State

Whereas SOUTHCO UTILITY ,Corporate office: Courtpeta, Berhampur, Ganjam – 760004 registered under the Company Act 1956 (here in after called "Owner") has placed Work Order No. _____ Dt. _____ (hereinafter called "Agreement") with M/s _____ (hereinafter called "the Contractor") for supply and installation of _____ (description of the works) and whereas Owner has agreed (1) to exempt the Contractor from making payment of security deposit, (2) to release 100% payment of the cost of materials as per the said agreement and (3) to exempt from performance guarantee on furnishing by the Contractor to Owner a composite Bank Guarantee of the value of 10% (ten percent) of the Contract price of the said Agreement.

1. Now, therefore, in consideration of Owner having agreed (1) to exempt the Contractor for making payment of security deposit, (2) to release 100% payment to the Contractor and (3) to exempt from furnishing performance guarantee in terms of the said Agreement as aforesaid, we the _____ Bank, Address _____ (code No. _____) (hereinafter referred to as "the Bank") do hereby undertake to pay to the Owner an amount not exceeding Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered by the Owner by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We, the _____ Bank do hereby undertake to pay the amounts due and payable under the guarantee without any demur, merely on a demand from Owner stating that the amount claimed is due by way of loss or damage caused to or suffered by Owner by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement or by the reason of any breach by the said Contractor's failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee.

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____) only.

3. We, the _____ Bank also undertake to pay to Owner any money so demanded notwithstanding any dispute or dispute raised by the Contractor(s) in any suit or proceeding instituted/ pending before any court or Tribunal relating thereto our liability under this Agreement being absolute and irrevocable. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, the _____ Bank further agree that the guarantee herein contain shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and it shall continue to remain in force endorsable till all the dues of Owner under by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till Purchaser certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharge this guarantee and will not be revoked by us during the validity of the guarantee period.

Unless a demand or claim under this guarantee is made on us or with our Jeypore branch at _____ (Name, address of the Jeypore branch and code No.) in writing on or before _____ (date) we shall be discharged from all liability under this guarantee thereafter.

5. We, the _____ Bank further agree that Owner shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance act or omission on part of Owner or any indulgence by Owner to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

6. The Guarantee will not be discharged due to change in the name, style and constitution of the Bank and or Contractor(s).

7. We, the _____ Bank lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the Owner in writing.

Dated _____ the _____ day of Two thousand _____ .

Notwithstanding anything contained herein above.

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

Our liability under this Bank Guarantee shall not exceed Rs. _____ (Rupees _____) only.

The Bank Guarantee shall be valid up to _____ only.

Our branch at Jeypore (Name & Address of the Jeypore branch) is liable to pay the guaranteed amount depending on the filing of claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our Jeypore branch a written claim or demand and received by us at our Jeypore branch on or before Dt. _____ otherwise bank shall be discharged of all liabilities under this guarantee thereafter.

For _____ (Indicate the name of the Bank)

N.B.:

- (1) Name of the Contractor:
- (2) No. & date of the Work order/ agreement:
- (3) Amount of W.O:
- (4) Name of Work:
- (5) Name of the Bank:
- (6) Amount of the Bank Guarantee:
- (7) Name, Address and Code No. of the Jeypore Branch of the Issuing Bank:
- (8) Validity period or date up to which the agreement is valid:
- (9) Signature of the Constituent Authority of the Bank with seal:
- (10) Name & addresses of the Witnesses with signature:
- (11) **The Bank Guarantee shall be accepted only after getting confirmation from the issuing Branch & from main branch/specified branch at Jeypore of issuing Bank.**

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

ANNEXURE – VI

LETTER OF COMPLIANCE OF QUALIFYING REQUIREMENT

(In case of Bidder being a Single Firm)

To

The Dy. General Manager
Electrical Circle, Jeypore
Dear Sirs,

I/We (Name of Bidder) are submitting the bid as a single firm. In support of our meeting the Qualifying requirements (QR) for bidders, stipulated in this tender specification, we furnish herewith the details/documents etc. as follows.

Table – A: Previous Works Experience:

Package Quoted for	Description of Proposed Works	Tender Qty	Qty Installed & Commissioned					Documents provided in proof of having executed the works during the relevant FY.
			Sl. No.	FY	Name of Client	WO Ref	Qty Installed	

Table – B: Average Annual Turnover:

Package Quoted for	Estimated Cost of the Package (Rs. in Lakh)	Annual Turnover Data (Rs. in Lakh)	
		Financial Year	Turnover (Rs. in Lakh)
		Last Three Year preceding to the year of tender	
Total Estimated Cost of the packages quoted for		Average Turnover	

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

Table – C: Access to Credit Facility:

Package Quoted for	Estimated Cost of the Package (Rs. in Lakh)	Liquid Assets as on 31.03.2012		Credit Facility	
		Description	(Rs. in Lakh)	Description	(Rs. in Lakh)
		Cash in Hand		Cash Credit	
		Cash at Bank		LC	
Total Estimated Cost of the packages quoted for		Fixed Deposits		Others (PI Specify)	
One fifth of the total Estimated Cost as above.		Total Liquid Assets		Total Credit Facility	

Note: Continuation sheets, of like size and format, may be used as per Bidder's requirements and annexed to this Schedule.

I/We declare that we are fulfilling the qualifying requirements as per clause in Invitation for Bids (IFB).

For & on behalf of (Name of the Bidder).

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

ANNEXURE – VIII

DETAILS OF COMMERCIAL DEVIATIONS

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

Sub: Commercial Deviation for Construction of Name of the project.

The following are the Commercial Deviations and variations from and exceptions to the specifications and documents for the subject Project. These deviations and variations are exhaustive. Except for these deviations, the entire work shall be performed as per your specifications and documents

Volume/Clause	Ref./Page No.	As specified in the Specification	Commercial deviation and variation to the specification

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

Note: 1. Continuation sheets, of like size and format, may be used as per Bidder's requirements and annexed to this Schedule.

2. This will be read out during opening of Part-I Bid.

DETAILS TECHNICAL DEVIATIONS

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

Sub: Technical Deviation for Construction of (Name of the Project)

The following are the Technical Deviations and variations from and exceptions to the specifications and documents for the subject package. These deviations and variations are exhaustive. Except for these deviations, the entire work shall be performed as per your specifications and documents.

Volume/Clause	Ref./Page No.	As specified in the Specification / Relevant ISS	Technical deviation and variation to the specification

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

Note: 1. Continuation sheets, of like size and format, may be used as per Bidder's requirements and annexed to this Schedule.

2. The deviations and variations, if any, shall be brought out separately for each of the equipment

ADDITIONAL INFORMATION

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore
Dear Sirs,

We have enclosed with our proposal the following additional information for the subject, package.

Sl. No	Brief description of Information	Ref.& Page No.

Date: (Signature)

Place:

Note: Continuation sheets, of like size and format, may be used as per Bidder's requirements and annexed to this Schedule.

BOUGHT OUT & SUB CONTRACTED ITEMS

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

We hereby furnish the details of the items/sub-assemblies amounting to more than 10% of our bid price, we propose to buy for the purpose of subject package

Sl. No	Item description	Qty. Proposed	Source of Supply
	Be bought/		
	Sub-contracted		

1.
2.
3.
4.
5.
6.
7.

Date:

(Signature)

Place:

(Printed Name)

(Designation)

(Common Seal)

WORK COMPLETION SCHEDULE

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

We hereby declare that the following Work Completion Schedule shall be followed by us for the purpose of subject package

Sl. No	Description of Work	Period in Months(from the date of LOA)
1	Completion of detailed engineering	
2	Procurement of raw materials	
3	Establishment of site office	
4	Erection	
	(a) Commencement	
	(b) Completion	
5	Testing & Pre-commissioning	
	(a) Commencement	
	(b) Completion	
6	Commissioning	

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

ANNEXURE – XIII

CHECK LIST

Bidder's Name & Address

To

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

Sl. No.	Item Description	Status of the Submission of data	Remarks
1	2	3	4
1.	Bid Guarantee	Yes /No	If yes please give details No, amount, validity & date of issue.
2.	Qualifying Data	Yes /No	
3.	Commercial Deviation	Yes /No	
4.	Technical Deviation	Yes /No	
5.	Cost of withdrawn of deviations	Yes /No	
6.	Bid validity	Yes /No	If yes state here the period.
7.	Period of completion	Yes/No	If, yes please state here the period of completion.
8.	Additional information offered by bidder		State here briefly

N.B.:- The contents of this schedule will be read out during opening of Part-I Bid.

.....

Signature of Bidder

Date & Seal:

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

N.B:-

1. The bid guarantee one original and one copy shall be furnished in two separate sealed envelope appropriately superscribed thereon.
2. All Schedules pertaining to prices (originals) shall be furnished in a sealed envelope duly super scribed thereon. Similarly one set of copies of such schedules shall be given in a separate sealed envelope (these are not to be opened during opening of Part -I).
3. All other schedules, one set original and another copy shall be submitted in two separate sealed envelope (these are to be opened during Part -I bid opening)

Date: (Signature)

Place: (Printed Name)

(Designation)

(Common Seal)

SELF DECLARATION FORM

Name of the Purchaser: -----

Tender Notice No: -----

Sir,

1. I / we, the undersigned do hereby declare that, I / we have never ever been blacklisted and / or there were no debarring actions against us for any default in supply of material / equipments or in the performance of the contract entrusted to us in any of the Electricity Utilities of India.
2. In the event of any such information pertaining to the aforesaid matter found at any given point of time either during the course of the contract or at the bidding stage, my bid/contract shall be liable for truncation / cancellation / termination without any notice at the sole discretion of the purchaser.

Yours faithfully,

Place-

Date-

Signature of the bidder

With seal

(This form shall be duly filled-up and signed by the bidder & submitted along with the original copy of the Bid.)

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

ANNEXURE- XV

**FORM OF EXTENSION OF BANK GUARANTEE
(ON NON-JUDICIAL STAMP PAPER OF Rs.100/-)**

Ref. No. _____

Dated: _____

The Dy. General Manager
Electrical Circle, Jeypore

Dear Sirs,

Sub: Extension of Bank Guarantee No. _____ for Rs. _____ favouring yourselves
expiring _____ on account of M/s. _____ in respect of contract
No. _____ dated _____ (hereinafter called original bank guarantee).

At the request of M/s. _____ we _____ bank Branch office at _____ having its
head office at _____ do hereby extend our liability under the above mentioned guarantee
No. _____ Dated _____ for a further period of _____ Years/months from
_____ to expire on _____ except as provided above, all other terms and conditions of the
original bank guarantee No. _____ dated _____ shall remain unaltered and binding.

Please treat this as an integral part of the original guarantee to which it would be attached.

Yours faithfully,

For _____

Manager/Agent/Accountant

Power of Attorney No. _____

Date: _____

SEAL OF BANK

Note: The non-judicial stamp paper of worth Rs.100/- shall be purchased in the name of the bank,
which has issued the bank guarantee.

SECTION-IV

GENERAL TECHNICAL SPECIFICATION (GTS)

Tender Notification: 07/2016-17/DGM/JYPR

DY GENERAL MANAGER, ELECTRICAL CIRCLE, JEYPORE

1. GENERAL

1.1 GUARANTEED TECHNICAL PARTICULARS

The Contract Works shall comply with the guaranteed technical particulars as per REC/CEA guide lines.

1.2 ERECTION AT SITE AND ACCOMMODATION

The Contractor shall provide, at his own cost and expense, all labors, plant and material necessary for unloading and erection at the Site and shall be entirely responsible for its efficient and correct operation. The Contractor shall be responsible for arranging and providing all living accommodation services and amenities required by his employees.

1.3 Use of electrical energy

The Contractor shall arrange at his own cost and expense, any site supplies of electrical energy which he may require for supplying power for heavy erection plant, welding plant or other tools, lighting and testing purposes. All wiring for such tackle and for lighting from the point of supply shall be provided by the Contractor and all such installations shall comply with all appropriate statutory regulations.

1.4 RESPONSIBILITY OF THE CONTRACTOR

Until each Section of the Contract Works has been taken over or deemed to have been taken over under the Conditions of Contract, the Contractor shall be entirely responsible for the Contract Works, whether under construction, during tests, or in use for the Employer's service.

1.5 COMPLIANCE WITH REGULATIONS

All apparatus and material supplied, and all works carried out shall comply in all respects with such of the requirements of all Regulations and Acts in force in the country and state in particular of the Employer as are applicable to the Contract Works and with any other applicable regulations to which the Employer is subjected to oblige.

1.6 MAINTENANCE AND CLEARING OF SITE

The placing of materials and plant near the erection site prior to their being erected and installed shall be done in a neat, tidy and safe manner. The Contractor shall at his own expense keep the site area allocated to him and also the erection area of the Contract Works reasonably clean and shall remove all waste material as it accumulates and as directed by the Engg In-charge from time to time.

1.7 INSURANCE

1.7.1 Workmen's Compensation Insurance

This insurance shall protect the Contractor against all claims applicable under the workmen's Compensation Act, 1948 (Government of India). This policy shall also cover the Contractor against the claims for injury, disability, disease or death of his or his sub-contractor's employees, which for any reason are not covered under the Workmen's Compensation Act, 1948. The liabilities shall not

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be less than;

a. Workmen's Compensation- As per statutory provisions

b. Employee's liability-As per statutory provisions According to the Govt. rules.

c. Comprehensive automobile insurance

This insurance shall be in a such a form to protect the Contractor against all claims for injuries, disability, disease and death to members of public including the Employer's men and damage to the property of others arising from the use of motor vehicles during on or off the Site operations, irrespective of the ownership of such vehicles and as per latest prevailing Govt. rules.

d. Comprehensive General Liability Insurance

This insurance shall protect the Contractor against all claims arising from injuries, disabilities, disease or death of members or public or damage to property of others, due to any act or omission on the part of the Contractor, its agents, its employees, its representatives and sub-contractors or from riots, strikes and civil commotion. The hazards to be covered will pertain to all works and areas where the Contractor, its sub-contractors, agents and employees have to perform works pursuant to the Contracts.

1.7.2 WORKS AND SAFETY REGULATIONS

The Contractor shall ensure safety of all the workmen, plant and equipment belonging to him or to others, working at the Site. The Contractor shall also provide for all safety notices and safety equipment required by the relevant legislation and deemed necessary by the Engg In-charge.

1.7.2.1 Drawings

Within 07 days of contract commencement the Contractor shall submit, for approval by the SOUTHCO Utility, a schedule of the drawings to be produced detailing which are to be submitted for "Approval" and which are to be submitted "For Information Only". The schedule shall also provide a programme of drawing submission, for approval by the Engineer in charge that ensures that all drawings and calculations are submitted within the period specified above.

1.1.2 GENERAL PARTICULARS OF SYSTEM

System description

The following are the general particulars governing the design and working of the complete system of which the Contract Works will eventually form a part: The system is three phase, 50 Hz and power is to be distributed to consumers under SOUTHCO at appropriate voltage level.

Sl. No.	Description of Technical Parameters	Unit	Data	
			11 KV	33KV
1	Nominal system voltage	KVrms	11 KV	33KV
2	Maximum system voltage	KVrms	12.KV	36KV
3	Power frequency with stand voltage	KVrms	28KV	70KV

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4	Lightning impulse withstand voltage a) Line to earth b) Across isolating gap	KVp	75KVp 85KVp	170KVp 195KVp
5	One minute power frequency withstand value Dry Wet	KVrms KVrms	35 35	95 75
6	System frequency	Hz	50	50
7	Variation in frequency	%	2.5	2.5
8	Continuous current rating	Amp	1250	800
9	Symmetrical short circuit current	kA	25	253
10	Duration of short circuit fault current	Sec	3	
11	Dynamic short circuit current rating	kAp	62.5kA	
12	Design ambient temperatures	°C	50	111
13	Pollution level as per IEC-815 and 71		III	
14	Maximum fault clearing time	Ms	not exceeding	150ms
15	Safety clearances			
	1. Section clearance	Meters	3	4
	2. Ground clearances(between ground and bottom most part of energized object)	Meters	5.79	5.79
	i. Along a street		1	1
ii. Across a street		6.09	6.06	
3. Horizontal clearance between the fence / building, structure and energized object	Meters	6		
			3.64	

1.2 DATA

1.2.1 METEROLOGICAL

Description	Data
Annual mean of maximum monthly average temperature.	50
Annual mean of minimum monthly temperature in °C	5
Average rain fall in mm	1500
Average thunder storms days per year	77days
Design ambient temperature in °C	50
Maximum wind velocity in meter/sec.	50
Maximum relative humidity in %	100
Average relative humidity in %	85

1.3 GUARANTEES TECHNICAL PARTICULARS

The Contract Works shall comply with the guaranteed technical particulars as per REC/CEA guide lines. All materials supplied under this Contract shall be to the approval of the Engineer In-charge .

1.4 ERECTION AT SITE AND ACCOMMODATION

Use of electrical energy

The Contractor shall arrange at his own cost and expense, any site supplies of electrical energy which he may require for supplying power for heavy erection of materials or other tools, lighting and

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testing purposes. All such installations shall comply with all appropriate statutory regulations.

1.5 RESPONSIBILITY FOR THE WORK COMPLETION BY CONTRACTOR

Until each Section of the Contract Works has been taken over or deemed to have been taken over under the Conditions of Contract, the Contractor shall be entirely responsible for the Contract Works, under construction, or in use for the owner's service.

1.6 COMPLIANCE WITH REGULATIONS

All apparatus and material supplied, and all works carried out shall comply in all respects with such of the requirements of all Regulations and Acts in force in the country and state in particular of the owner as are applicable to the Contract Works and with any other applicable regulations to which the owner is subjected to oblige.

1.7 MAINTENANCE AND CLEARING OF SITE

The placing of materials near the erection site prior to their being erected and installed shall be done in a neat, tidy and safe manner. The Contractor shall at his own expense keep the site area and erection area of the Contract Works reasonably clean and shall remove all waste material as it accumulates and as directed by the Engineer In-charge from time to time.

1.8 WORKS AND SAFETY REGULATION

The Contractor shall ensure safety of all the workmen, material, equipment belonging to him or to others, working at the Site. The Contractor shall also provide for all safety notices and safety equipment required by the relevant legislation and deemed necessary by the Engineers-In charge.

TECHNICAL SPECIFICATION For Construction of 11KV Line and DP/Plinth Mounted S/S

1.0 Survey & scope of works:

1.1 Survey shall be carried out by the contractor for the new line.

1.2 Aligning / erection of poles in the route of line along with strengthening of its foundation is in the scope of bidder.

1.3 Before undertaking the construction works in the given line the bidder shall make Assessment of the required materials in consultation /presence of representative of the bidder and accordingly the BOQ of the works is to be get it approved from the Engineer-in charge.

1.4 Any other works not mentioned above exclusively but required for accomplishing desired works will be in the scope of the bidder.

1.5 For all above activities shutdown shall be arranged by the subject to advanced notice in writing by the bidder.

1.6 While placing the equipment, if any equipment gets damaged due to negligent handling of the contractor, the same shall be back charged to the contractor at panel rate.

2.0 Crossings

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2.0.1 Road Crossings:- At all road crossings, the poles shall be fitted with strain type insulators. The ground clearance from the road surfaces under maximum sag condition shall be as per IS 5613.

2.0.2 Power Line Crossings- Where the line is to cross over another line of the same voltage or lower voltage, provisions to prevent the possibility of their coming into contact with each shall be made in accordance with the Indian Electricity Rules, 1956 as amended from time to time. All the works related to the above proposal shall be deemed to be included in the scope of the contractor.

3.0 Details Enroute-After survey and finalization of route, the contractor shall submit detailed route map for each line.

This would be including following details:

a) Clearance from Ground, Building, Trees etc. – Clearance from ground, buildings, trees and telephone lines shall be provided in conformity with the CEA guideline as amended up to date. The bidder shall select the height of the poles in order to achieve the prescribed electrical clearances.

4.0 Final Schedule-The final schedule including Bill of quantity indicating location of poles specifically marking locations of failure containment pole/structure, DTs 11 kV line sectionalizes, line tapping points angle of deviation at various tension pole locations, all type of crossings and other details shall be submitted for the approval of the Owner.

3.1 Excavation of Pits

a) For excavation of the foundation pit, a hole should be drilled in the ground preferably with the use of earth-augers. However, if earth-augers are not available, a pit shall be made in the direction of the line for all the locations, except the locations of failure containment structures. The minimum planting depth of poles shall be governed by IS: 1678. However due to the ground conditions e.g. water logged area etc. depth of planting of poles shall be suitably increased with prior approval of the Engineer In charge.

b) Excavation cost for pits shall be included by the contractor in the bid for pole erection for following type of soils inclusive of dewatering of pits and shoring and shuttering wherever necessary.

i) All type of soils and soil conditions including hard rock.

ii) Hard rock No separate claim for dewatering during excavation, shoring and shuttering shall be entertained. For hard rock, the excavation cost per location shall remain same for all type of foundations.

c) In case of non-availability of earth-augers, the pits shall be excavated with pick axes, crow bar and shovels. Controlled blasting shall be permitted only in case of hard or rocky soil. The contractor shall be responsible for any damage or accidents arising out of the process of blasting. Blasting is not permitted if the area around location is inhabited. In such case,

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the contractor shall have to follow other methods like drilling etc.

4.0 INSPECTION

All tests and inspection shall be made in the manufacturer's works unless otherwise specifically agreed upon by the manufacturer and purchaser at the time of placement of purchase order. The manufacturer shall afford to the inspector representing the purchaser, all reasonable facilities, without charge to satisfy him that the material being furnished is in accordance with these specifications. The purchaser reserves the right to get a component/material being used by the manufacturer tested from any recognized test house.

The inspection by the purchaser or his authorized representative shall not relieve the contractor of his obligation of furnishing equipment in accordance with the specifications.

TECHNICAL SPECIFICATIONS

5.0 THE SPECIFICATION OF ALL MAJOR MATERIAL SHALL BE AS PER REC STANDARDS

All materials, which are to be supplied by the contractor, should be procured from the approved Manufacturers . Procurement from any other suppliers will not be permitted.

SECTION - V

PRICE BID

Tender Notification: 07/2016-17/DGM/JYPR

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Dedicated 11KV power supply to 628KW/697.77KVA load New District Head Quarter Hospital (DHH), Malkangiri

(I) List of materials with cost for Construction of 11 KV tapping point at 33/11KV Primary Sub-Station, Malkangiri

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 9 mtr long 300 KG PSC pole as per REC/IS Specification	No	1				
2	Supply and Installation of 100x50x6 mm MS channel 3.5 mtr each 2 for top pressure channel @9.2 Kg/ mtr as per REC/IS Specification	Kg	26.68				
3	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/IS Specification	No	3				
4	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/IS Specification	No	3				
5	Supply and Installation of 11KV 'V' cross arm (10.2kg each.) as per REC/IS Specification	No	1				
6	Supply and Installation of 11KV Back clamp as per REC/ IS Specification	No	1				
7	Supply and Installation of 11 KV Pin Insulator 320 CD as per REC/ IS Specification	No	3				
8	Supply and Installation of 11 KV GI Pin as per REC/ IS Specification	No	3				
9	Supply and Installation of P.G. clamp suitable for 50mm ² AAA Conductor as per REC/ IS Specification	No	3				
10	Supply and Installation of HT Stay Set Complete as per REC/ IS Specification	No	1				
11	Supply and Installation of 11 KV Stay insulator as per REC/ IS Specification	No	1				
12	Supply and Installation of HT Stay clamp for PSC Pole / RS Joist (GI) as per REC/ IS Specification	Pair	1				
13	Supply and Installation of 7/10 SWG Stay wire as per REC/ IS Specification	kg	8				
14	Supply and Installation of Earthing device / Support Coil type (GI) as per REC/ IS Specification	No	1				
15	Supply and Installation of Base Plate for Support as per REC/ IS Specification	No	1				
16	Supply and Installation of Concrete material for stay anchor plate as per REC/ IS Specification	No	1				
17	Supply and Installation of Padding and concreting materials for supports as per REC/ IS Specification	No	1				
18	Supply and Installation of MS nuts, bolts and washers of assorted size	kg	3				

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	as per REC/ IS Specification						
19	Supply and Installation of Saundries(Paint, Danger board, Clamp, Connectors, Anticlimbing device, Binding tape etc as per REC/ IS Specification	Ls	1				

(II) List of materials with cost for Renovation of Existing 11 KV Bus-Bar inside Primary Sub-Station, Malkangiri

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 11 KV Disc Insulator T & C Type (Double Disc)as per REC/ IS Specification	No	84				
2	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/ IS Specification	No	42				
3	Supply and Installation of 100x50x6 mm MS channel 16 mtrs @9.2 Kg/mtr as per REC/ IS Specification	Kg	147.2				
4	Supply and Installation of 11 KV Line AB Switch, 400A, 3-Pole as per REC/ IS Specification	Set	6				
5	Supply and Installation of 11 KV Lighting Arrestor, (10 KA) as per REC/ IS Specification	No	15				
6	Supply and Installation of 11 KV, 400A HG Fuse(3-Pole) as per REC/ IS Specification	Set	5				
7	Supply and Installation of Ms Nuts & Bolts of Different Sizes as per REC/ IS Specification	Kg	30				
8	Supply and Installation of Saundries(Paint, Danger board, Clamp, Connectors, Anticlimbing device, Binding tape etc as per REC/ IS Specification	Ls	1				

(III) Installation of 11 KV VCB with accessories

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			I	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 11 KV OD VCB with CT,PT, CRP as per REC/ IS Specification	No	1				
2	Supply and Installation of 7C 2.5mm2 control cable as per REC/ IS Specification	Mtr	50				
3	Supply and Installation of 4C 2.5mm2 control cable as per REC/ IS Specification	Mtr	50				
4	Supply and Installation of 2C 2.5mm2 control cable as per REC/ IS Specification	Mtr	50				
5	Supply and Installation of G.I pipe earthing 40 mm dia medium gauge 3mtr long as per REC/ IS Specification	No	3				

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6	Supply and Installation of G.I. Flat (25x6) mm @ 1.2 Kg/Mtr as per REC/ IS Specification	kg	50				
7	Supply and Installation of Materials for masonry work for earth pit Charcoal ,salt etc for earthing as per REC/ IS Specification	No	3				
8	Supply and Installation of Sundries as per REC/ IS Specification	LS	1				

(IV) List of materials with cost for construction of DP Structure with Cantilever Arrangement for Installation 11KV Line AB Switch & 11 KV HG Fuse

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 9 mtr long, 300 Kg PSC pole as per REC/ IS Specification	No	2				
2	Supply and Installation of 100x50x6 mm MS Channel 2.8 mtr long 2Nos for top Pressure Channel @9.2kg/mtr as per REC/ IS Specification	Kg	51.52				
3	Supply and Installation of 75x40x6 mm MS Channel 2.8 mtr long 4 Nos for AB Switch & HG Fuse Mounting Channel @6.8 Kg/mtr as per REC/ IS Specification	Kg	76.16				
4	Supply and Installation of 75x40x6 mm MS Channel 2.8 mtr long 2 Nos Supporting Cross Bracing at bottom of DP as per REC/ IS Specification	Kg	38.08				
5	Supply and Installation of 50x50x6 mm MS Angle 3.6 mtr long 2 Nos for providing cross bracing at bottom of DP@4.5 Kg/mtr as per REC/ IS Specification	Kg	32.40				
6	Supply and Installation of 11 KV,3-Pole 400A Line AB Switch as per REC/ IS Specification	Set	1				
7	Supply and Installation of 11 KV 400A HG fuse 3 Pole as per REC/ IS Specification	Set	1				
8	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/ IS Specification	No	6				
9	Supply and Installation of 11 KV hard ware fitting T & C Type	No	6				
10	Supply and Installation of HT stay set complete as per REC/ IS Specification	No	2				
11	Supply and Installation of Stay insulator as per REC/ IS Specification	No	2				
12	Supply and Installation of Stay clamp as per REC/ IS Specification	Pair	2				
13	Supply and Installation of 7/10 SWG stay wire as per REC/ IS Specification	kg	16				
14	Supply and Installation of G.I pipe earthing 40mm dia medium gauge 3mtr long as per REC/ IS Specification	No	2				
15	Supply and Installation of Earthing of support (coil type) as per REC/ IS Specification	No	2				
16	Supply and Installation of G.I. Flat (25x6) mm @ 1.2 Kg/Mtr as per REC/	kg	25				

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	IS Specification						
17	Supply and Installation of Concrete material for stay anchor plate (0.45x0.45x1.5) mtr as per REC/ IS Specification	No	2				
18	Supply and Installation of Padding and concreting materials for support (0.45x0.45x1.5) mtr as per REC/ IS Specification	No	2				
19	Supply and Installation of Materials for masonry work for earth pit Charcoal ,salt etc for earthing as per REC/ IS Specification	No	2				
20	Supply and Installation of Base plate for support as per REC/ IS Specification	No	2				
21	Supply and Installation of MS nuts & bolts of assorted size as per REC/ IS Specification	kg	5				

(V) List of materials with cost for construction New Pin Point -1 No & Cut-Point -1 No near PSS, Malkangiri

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 11 KV V Cross Arm(10.2 Kg each) as per REC/ IS Specification	No	1				
2	Supply and Installation of Back Clamp for 11 KV "V "Cross Arm as per REC/ IS Specification	No	1				
3	Supply and Installation of Top (F) Clamp for PSC Pole as per REC/ IS Specification	No	1				
4	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/ IS Specification	No	6				
5	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/ IS Specification	No	6				
6	Supply and Installation of 11 KV Pin Insulator 320 CD as per REC/ IS Specification	No	6				
7	Supply and Installation of 11 KV GI Pin as per REC/ IS Specification	No	6				
8	Supply and Installation of HT Stay Set Complete as per REC/ IS Specification	No	3				
9	Supply and Installation of 11 KV Stay insulator as per REC/ IS Specification	No	3				
10	Supply and Installation of HT Stay clamp for PSC Pole / RS Joist (GI) as per REC/ IS Specification	Pair	3				
11	Supply and Installation of 7/10 SWG Stay wire as per REC/ IS Specification	kg	24				
12	Supply and Installation of Earthing device / Support Coil type (GI) as per REC/ IS Specification	No	2				
13	Supply and Installation of Base Plate for Support as per REC/ IS Specification	No	2				
14	Supply and Installation of Concrete material for stay anchor plate as per REC/ IS Specification	No	3				
15	Supply and Installation of Padding and concreting materials for supports as per	No	2				

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	REC/ IS Specification						
16	Supply and Installation of MS nuts, bolts and washers as per REC/ IS Specification	kg	3				
17	Supply and Installation of 100x50x6 mm channel for straight Cross arm 1.2 mtr each 4 nos & 0.2 mtr long 2 Nos. for 1 Nos cut Point as per REC/ IS Specification	kg	26.68				
18	Supply and Installation of 9 mtr long 300 KG PSC pole as per REC/ IS Specification	No	2				
19	Supply and Installation of 55 mm ² AAA conductor as per REC/ IS Specification	Km	0.309				

(VI) List of materials with cost for construction 3-phase 3 wire 11 KV line with 9 mtr long 300 kg PSC pole and 55 mm² AAAC, (70 mtrs Av. span length)

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			I	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 11 KV V Cross Arm(10.2 Kg each) as per REC/ IS Specification	No	72				
2	Supply and Installation of Back Clamp for 11 KV "V "Cross Arm as per REC/ IS Specification	No	72				
3	Supply and Installation of Top (F) Clamp for PSC Pole as per REC/ IS Specification	No	72				
4	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/ IS Specification	No	72				
5	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/ IS Specification	No	72				
6	Supply and Installation of 11 KV Pin Insulator 320 CD as per REC/ IS Specification	No	216				
7	Supply and Installation of 11 KV GI Pin as per REC/ IS Specification as per REC/ IS Specification	No	216				
8	Supply and Installation of HT Stay Set Complete as per REC/ IS Specification	No	24				
9	Supply and Installation of 11 KV Stay insulator as per REC/ IS Specification	No	24				
10	Supply and Installation of HT Stay clamp for PSC Pole / RS Joist (GI) as per REC/ IS Specification	Pair	24				
11	Supply and Installation of 7/10 SWG Stay wire as per REC/ IS Specification	kg	192				
12	Supply and Installation of Earthing device / Support Coil type (GI) as per REC/ IS Specification	No	84				
13	Supply and Installation of Base Plate for Support as per REC/ IS Specification	No	84				
14	Supply and Installation of Concrete material for stay anchor plate as per REC/ IS Specification	No	24				
15	Supply and Installation of Padding and concreting materials for 2 Nos cut-point support as per REC/ IS Specification	No	12				

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16	Supply and Installation of MS nuts, bolts and washers of assorted size as per REC/ IS Specification	kg	150				
17	Supply and Installation of Saundries(Paint, Danger board, Clamp, Connectors, Anticlimbing device, Binding tape etc as per REC/ IS Specification	Ls	6				
18	Supply and Installation of 100x50x6 mm channel for straight Cross arm 1.2 mtr each 4 nos & 0.2 mtr long 4 Nos. as per REC/ IS Specification	kg	309.12				
19	Supply and Installation of 9 mtr long 300 KG PSC pole as per REC/ IS Specification	No	84				
20	Supply and Installation of 55 mm ² AAAC conductor as per REC/ IS Specification	Km	18.54				

(VII) List of materials with cost for 3-phase 3 wire 11 KV line using XLPE Cable

SI no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
I.	11 KV 3Ph 3-W line using XLPE Cable (Near 33/11 KV Malkangiri PSS)						
1	Supply and Installation of 9 mtr long 300 KG PSC pole (Intermediate Pole) as per REC/ IS Specification	No	3				
2	Supply and Installation of 75x40x6 mm MS Channel 1.2 mtr long 14 Nos for laying of XLPE Cable (Double Circuit) (Existing Pole- 4 Nos, New Poles-3 Nos)@6.8kg/mtr. as per REC/ IS Specification	Kg	114.24				
3	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/ IS Specification	No	6				
4	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/ IS Specification	No	6				
5	Supply and Installation of 3x35mm ² 11KV XLPE Cable (Double Circuit) as per REC/ IS Specification	Mtr.	500				
6	Supply and Installation of Out door type cable jointing kit suitable for 3x35mm ² 11KV XLPE Cable as per REC/ IS Specification	No	4				
7	Supply and Installation of MS nuts, bolts and washers as per REC/ IS Specification	Kg	5				
8	Supply and Installation of Earthing device / Support Coil type (GI) as per REC/ IS Specification	No	3				
9	Supply and Installation of Base Plate for Support as per REC/ IS Specification	No	3				
II	11 KV Road Crossing Guarding-1 No (Lathiaguda Road)						
SI no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 75x40x6 mm channel 1.5 mtr long 2 Nos for providing guarding at road crossing @6.8 Kg/mtr as per REC/ IS Specification	Kg	20.4				
2	Supply and Installation of Back Clamp for fixing of Channel for Guarding as per REC/ IS Specification	No	2				
3	Supply and Installation of No-6 GI wire for providing Guarding at road Crossing@40 Kr per Crossing& 20 Kg for 2 Nos earthing at both sides of road crossing as per REC/ IS	kg	50				

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	Specification						
4	Supply and Installation of Materials for masonry work for earth pit Charcoal ,salt etc for earthing as per REC/ IS Specification	No	2				
5	Supply and Installation of G.I pipe earthing 40mm dia medium gauge 3mtr long as per REC/ IS Specification	No	2				

(VIII) Construction of DP for 11KV Metering Unit with 10mtr. Long 330Kg. PSC pole

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 10 mtr long 330 KG PSC pole as per REC/ IS Specification	No	2				
2	Supply and Installation of 11 KV Disc Insulator T & C Type as per REC/ IS Specification	No	6				
3	Supply and Installation of 11 KV hard ware fitting T & C Type as per REC/ IS Specification	No	6				
4	Supply and Installation of 11 KV Pin Insulator 320 CD as per REC/ IS Specification	No	4				
5	Supply and Installation of 11 KV GI Pin as per REC/ IS Specification	No	4				
6	Supply and Installation of 100x50x6 mm ms Channel 2.8 mtr long 4Nos (9.2kg/mtr) for pressure and Base as per REC/ IS Specification	kg	103.045				
7	Supply and Installation of (75x40x6mm) MS channel 2.8 mtr long 3 Nos & 1mtr. Long 2Nos. For cantilever support (6.8kg/mtr) as per REC/ IS Specification	kg	70.72				
8	Supply and Installation of (50x50x6) mm MS angle for bracing 4.0 mtr long 2nos & 1.5mtr. Long 2 Nos. for cantilever (4.5kg/mtr) as per REC/ IS Specification	kg	49.5				
9	Supply and Installation of HT Stay Set Complete as per REC/ IS Specification	set	2				
10	Supply and Installation of 11 KV Stay insulator as per REC/ IS Specification	No	2				
11	Supply and Installation of HT Stay clamp for PSC Pole / RS Joist (GI) as per REC/ IS Specification	Pair	2				
12	Supply and Installation of 7/10 SWG Stay wire as per REC/ IS Specification	kg	14				
13	Supply and Installation of Earthing device / Support Coil type (GI) as per REC/ IS Specification	No	2				
14	Supply and Installation of Concrete material for stay anchor plate (0.45x0.45x1.5)mtr, 1:3:6 CC=0.3 cmt. of Concrete as per REC/ IS Specification	No	2				
15	Supply and Installation of Concrete material for Support (0.45x0.45x1.5)mtr, 1:3:6 CC 0.3 cmt. of Concrete+Couping of (0.3x0.3x0.45) mtr(1:2:4 cc) 0.0405cmt as per REC/ IS Specification	No	2				
16	Supply and Installation of 5/8" MS nuts, bolts and washers of assorted size as per REC/ IS Specification	kg	10				

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17	Supply and Installation of Saundries(Paint, Danger board, Clamp, Connectors, Anticlimbing device, Binding tape etc as per REC/ IS Specification as per REC/ IS Specification	Ls	1				
18	Supply and Installation of G.I pipe earthing device 40 mm dia 3mtr long as per REC/ IS Specification	No	2				
19	Supply and Installation of Materials for masonry work for earth pit & cement plate cover for earthing including Charcoal ,salt etc for earthing as per REC/ IS Specification as per REC/ IS Specification	No	2				
20	Supply and Installation of Painting of MS Channel & Angle with one Coat Red oxide paint and two coat Aluminium paint as per REC/ IS Specification	Ls	1				
21	Supply and Installation of 55 mm ² AAC conductor for jumpering as per REC/ IS Specification	Km	0.05				

(IX) List of materials with cost for DP mounted 11/0.4KV, 500 KVA S/S Using 9 mtr long 300 KG PSC pole -2 Nos.

Sl no	Description of the materials	Unit	QNTY	Unit Supply Rate (Rs.)	Unit Erection Rate (Rs.)	Total Unit Cost(Rs.)	Grand Total (Rs.)
			i	ii	iii	iv=(ii)+(iii)	v=(i)x(iv)
1	Supply and Installation of 9 mtr long PSC pole as per REC/ IS Specification	No	4				
2	Supply and Installation of Pressure Channel 100x50x6 mm 2.8 mtr long 4Nos (9.2kg/mtr) as per REC/ IS Specification	Kg	206.08				
3	Supply and Installation of AB Switch & HG fuse mounting Channel (75x40x6mm) 2.8 mtr long 4 Nos (6.8kg/mtr) as per REC/ IS Specification	Kg	152.32				
4	Supply and Installation of Angle for mounting LT distribution box (50x50x6) mm 1.0 mtr long 2nos (4.5kg/mtr) as per REC/ IS Specification	Kg	18				
5	Supply and Installation of 11KV Disc Insulator T& C type. as per REC/ IS Specification	No	6				
6	Supply and Installation of 11 kv hard ware fitting T&C type as per REC/ IS Specification	No	6				
7	Supply and Installation of 11 kv 400A AB switch 3pole as per REC/ IS Specification	Set	2				
8	Supply and Installation of 11 kv 400A HG fuse 3pole as per REC/ IS Specification	Set	2				
9	Supply and Installation of 11 kv lightning arrestor (10 KA) as per REC/ IS Specification	No	6				
10	Supply and Installation of LT distribution box including kit kat fuse for 500 KVA S/S as per REC/ IS Specification	No	2				
11	Supply and Installation of LT 3 1/2 core 300 mm ² PVC cable as per REC/ IS Specification	Mtr	30				
12	Supply and Installation of HT stay set complete as per REC/ IS Specification	No	4				
13	Supply and Installation of Stay insulator as per REC/ IS Specification	No	4				
14	Supply and Installation of Stay clamp as per REC/ IS Specification	Pair	4				
15	Supply and Installation of 7/10 SWG stay wire as per REC/ IS Specification	Kg	32				
16	Supply and Installation of G.I pipe earthing 40mm dia medium gauge 3mtr long as per	No	10				

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	REC/ IS Specification						
17	Supply and Installation of Earthing of support (coil type) as per REC/ IS Specification	No	4				
18	Supply and Installation of G.I. Flat (25x6) mm @ 1.2 Kg/Mtr as per REC/ IS Specification	Kg	120				
19	Supply and Installation of Concrete material for stay anchor plate (0.45x0.45x1.5) mtr as per REC/ IS Specification	No	4				
20	Supply and Installation of padding and concreting materials for support (0.45x0.45x1.5) mtr as per REC/ IS Specification	No	4				
21	Supply and Installation of Materials for masonry work for earth pit Charcoal ,salt etc for earthing as per REC/ IS Specification	No	10				
22	Supply and Installation of Base plate for support as per REC/ IS Specification	No	4				
23	Supply and Installation of MS nuts & bolts of assorted size as per REC/ IS Specification	Kg	50				
24	Supply and Installation of Saundries (Aluminium binding tap ,insulating Tap ,fencing ,metal spreading ,Anticlimbing device ,paint ,danger Board etc) as per REC/ IS Specification	Ls	2				
25	Supply and Installation of 500 KVA 11/0.4 KV Transformer as per REC/ IS Specification	No	2				

(X) Civil Items

SI no	Description of the materials	Unit	QNTY	Unit Supply Rate(Rs.)	Unit Erection Rate(Rs.)	Total Unit Cost(Rs.)	Grand Total(Rs.)
			i	ii	iii	iv=(ii)x(iii)	v=(i)x(iv)
1	Construction of Plinth for Installation of 11 KV VCB inside 33/11 KV PSS, Malkangiri as per REC/ IS Specification	No	1				
2	Construction of Plinth (8 Ft x 8 Ft x 8Ft) R R Stone Masonary with RCC Concrete with complete plastering for installation of 2 Nos 11/0.4 KV,500 KVA Transformers at DHH Campus as per REC/ IS Specification	No	2				
3	Construction Brick Masonary Boundary Wall with foundation 7Ft Height (2 Ft Foundation below ground level & 5 Ft Bounday Wall above ground level) for 4 Nos DTRS with Grill Gate & Locking Arrangement at DHH Campus as per REC/ IS Specification	RM	20				
4	Sand & Metal Spreading inside 33/11 KV PSS, Malkangiri for installation of VCB as per REC/ IS Specification	Ls	1				
5	Sand & Metal Spreading near 2 Nos x 500 KVA Transformer inside Medical Premises as per REC/ IS Specification	Ls	1				
6	Housing Arrangement for indoor type Metering Cubicle room with 20/5 A Metering Unit (10 Ft x 8Ft x 8Ft) (Ls) as per REC/ IS Specification	No	1				
7	Painting of all Irons materials, (Supports, Channels, Angles, Cross Arms) with Red-Oxide & Primer Coating as per REC/ IS Specification	Ls	1				

Rupees in words.....

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Please refer Volume-V, Bid proposal sheets enclosed with this tender specification. Bidder will be permitted to only enter the item wise rates. No other modification shall be permitted. Bidders are required to sign each and every page and enclose the same in the price Bid in sealed condition. One soft copy in CD shall also be submitted in the price bid.

(Signature of the Bidder)

Note :

1. Unit rate is inclusive of all taxes and duties.
2. Any discrepancy in unit rate and amount, unit rates stands.
3. Any column left blank shall be treated as nil/inclusive of.