



ODISHA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE GENERAL MANAGER (ELECT.)
EHT (CONSTRUCTION) CIRCLE, BHUBANESWAR
Qr. No. C-5/1, OPTCL COLONY
BHOINAGAR, BHUBANESWAR
CIN - U401020R2004SGC007553

**TENDER SPECIFICATION FOR TENDER CALL NOTICE NO.GM- EHT(C) CIRCLE-BBSR-
08/2021-22**

**DETAIL SURVEY FOR CONSTRUCTION OF 132KV UG CABLING FROM 400/220/132/33KV
GRID SUB-STATION, MENDHASAL TO 220/132/33KV GRID SUB-STATION, CHANDAKA**

Cost of tender paper = Rs.6, 000/- + 12% GST= Rs. 6,720/-

(Rupees six thousand seven hundred twenty) only

NO...../DATE.....

ISSUED TO:

M/S

.....

.....

**GENERAL MANAGER (ELECT.)
EHT (C) CIRCLE, BHUBANESWAR**



ODISHA POWER TRANSMISSION CORPORATION LIMITED
OFFICE OF THE GENERAL MANAGER (ELECT.)
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TENDER SPECIFICATION FOR TENDER CALL NOTICE NO. GM- EHT (C) CIRCLE-BBSR-08/2021-22

1. SECTION-I Instruction to tenderers.
2. SECTION-II General Condition of contract.
3. SECTION-III Technical Specification
4. SECTION -IV Annexure-I to VII
5. Price of tender document Rs.6,000/- + GST@12 % =6,720/-
(Rupees Six Thousand Seven Hundred Twenty) only. By Bank draft drawn in
favour of EHT (C) Circle, OPTCL, Bhubaneswar (Non-Refundable).
6. Estimate Cost Rs.16,44,955/- only (Including of GST)
7. COMMENCEMENT OF SALE OF TENDER PAPER. 05.11.2021 (11AM to 3 P.M.)
8. LAST DATE OF SALE OF TENDER PAPER. 17.11.2021 (11 AM to 3 P.M.)
9. LAST DATE & TIME OF RECEIPT OF TENDER PAPER. 18.11.2021 Up to 3P.M.
10. DATE & TIME OF OPENING OF TENDER. 18.11.2021 at 04.00 P.M.

SECTION -I

INSTRUCTION TO TENDERERS

1. Sealed tenders in duplicate duly superscribed as “TENDER AGAINST TENDER CALL NOTICE No.08/2021-22 are invited from registered firms/ Agencies having experience in survey works with GSTIN regn. & PAN for execution of the work “Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka” as per the technical specification enclosed which should be received in this office on or before 3.00 P.M. Dt.18.11.2021 and the same shall be opened on dt.18.11.2021 at 04.00 PM in presence of the tenderers or their authorized agents/representatives. Tenders received after 3.00 P.M on Dt.18.11.2021 will not be accepted since the tender box will be closed at 3.00 P.M.
2. Tenders shall be submitted in duplicate signed in each page by the authorized signatory in a sealed cover envelope addressed to the General Manager, EHT (C) Circle, OPTCL, Bhubaneswar, Qr. No. C-5/1, OPTCL Colony, Bhoinagar, Bhubaneswar. All documents submitted along with the tender must be signed and certified by the authorized signatory of the bidder.
3. The specification is divided into four sections: -
 - (i) Section – I – Instruction to Bidders.
 - (ii) Section – II – General Conditions of Contract.
 - (iii) Section – III – Technical Specifications.
 - (iv) Section – IV – Schedules, Forms & Annexures etc.
4. Tenders will be opened in the office of General Manager (Elect.), E.H.T. (C) Circle, Qr.No.C-5/1, GRIDCO Colony, Bhoinagar, Bhubaneswar – 751 022, in presence of such of the Tenderer or their authorized representative (limited to one person only with a valid authorization from his employer).
5. No telegraphic tenders/forwarding by e-mail will be accepted.
6. This office will not be responsible for non-receipt/late receipt of the tender documents due to postal delay.
7. The tenders shall be furnished strictly as per the terms and conditions of the tender specification. Incomplete tenders will be rejected.
8. The Authority may alter the quantum of work at the time of placing orders. Orders may also be split up among more than one tenderer depending upon necessity & urgency in order to get better service.
9. Only those, who have purchased the tender specification from this office by their name/Firm’s name or download the tender specification from OPTCL web site, can submit their tender. Tenders submitted by others will be rejected.

10. Tenders will be submitted in person/by registered post with A.D. Tenders submitted by any other means shall not be accepted. Postal delay shall not be considered. Tenders received after due date and time shall be returned un-opened.
 11. E.M.D fully exempted as per order of Director (Fin.), OPTCL, BBSR.
 12. The authority reserves the right to reject the lowest or any other tender or all tender without assigning any reason what-so-ever.
 13. Offers should be neatly typed without any overwriting and corrections. In case of any correction, the same should be authenticated with signature of the authorized person.
1. In the event of discrepancy or arithmetical error in the bid, the decision of the purchaser shall be final and binding on the tenderer.
 2. For evaluation, the price mentioned in words shall be taken, if there is any difference in figure and words in the price bid.
 16. Conditional tender shall not be accepted and no discount other than the quoted price will be allowed as mentioned in the original offer.
 17. The tenderers are advised to visit the site and make themselves acquainted with the site conditions before submission of tender.
 18. Tenders shall be kept valid for a minimum period of 120 days from the date of opening of tender.
 19. If the tender documents/specification will be downloaded from OPTCL web site for which Rs.6,720/- only including GST @ 12% will be deposited in the shape of demand draft drawn in favour of "EHT (C) Circle, OPTCL, Bhubaneswar" and to be furnished the same separately with the tender specification.



General Manager
EHT (C) Circle, Bhubaneswar

Section-II
GENERAL CONDITIONS OF CONTRACT

1. DEFINITION OF TERMS:

In writing these General Conditions of Contract, the specification and bill of quantity, the following words shall have the meanings hereby indicated, unless there is something in the subject matter or content inconsistent with such construction.

“OPTCL” shall mean the Odisha Power Transmission Corporation Limited represented through the General Manager (Elect.), E.H.T. (C) Circle, Qr.No.C-5/1, GRIDCO Colony, Bhoingar, Bhubaneswar – 751 022.

“The Engineer in charge” shall mean the Engineer or Engineers authorized by the General Manager (Elect.), E.H.T. (C) Circle, Qr.No.C-5/1, GRIDCO Colony, Bhoingar, Bhubaneswar – 751 022 for the purpose of this contract.

“OPTCL Engineer” shall mean any Engineering person or personnel authorized by the OPTCL to supervise and inspect the survey work.

“The Contractor” shall mean the successful bidder awarded with the contract or their successors and permitted assigns.

“Contract Price” shall mean the sum named in or calculated in accordance with the provisions of the contract as the contract price.

“General Conditions” shall mean these General Conditions of Contract.

“Specification” shall mean the specification annexed to these General Conditions of contract and shall include the schedules and drawings attached thereto or issued to the contract as well as all samples and patterns, if any.

“Month” shall mean calendar month.

“Writing” shall include any manuscript, type written, printed or other statement reproduced in any visible form whether under seal or under hand.

The term “Contract” shall mean and include the General Conditions, specifications, schedules, drawings, work orders / purchase Orders issued against the contract, schedule of price or the final general conditions, any special conditions applying to the particular contract specification and drawings and agreement to be entered into. Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act falling that in the Orissa General Clauses Act

2. **SCOPE OF CONTRACT :** The job covers Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka. The contractor has to arrange all required men and materials at his own cost to complete the above mentioned job.
3. **DETAILS OF THE JOBS TO BE TAKEN UP WITH SUPPLY OF ALL REQUIRED MATERIAL, LABOUR AND T&P's ETC:**

Detail survey for ascertaining the feasible route, identifying the underground utilities by making ground penetration method survey, identifying the utilities over the ground (Land schedule) preparation of the detailed marking on topo sheet, preparation of the route alignment map, submission of ground profile and survey report for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka.
- 4 **NATURE OF PRICE:** The price quoted should be firm and should not be varied in any manner which is inclusive of all taxes and duties and inclusive of GST.
- 5 **RATE:** The tenders are instructed to quote their rates in price schedule enclosed with the specification. The rates quoted should be legibly written without any overwriting both in figures and words to avoid confusion.
6. **PAYING AUTHORITY:** DGM (Elect.), EHT (C) Division, Bhubaneswar.
7. **CONSIGNEE & SUPERVISING OFFICER:**

SDO (Elect.) EHT (C) Sub-Division, No-I, BBSR will be the consignee and supervising officer for the aforesaid work.
- 8 **TERMS OF PAYMENT:** 100% payment will be made by the paying officer after deduction of statutory taxes and duties upon presentation of bills in triplicate and due certification by the consignee with satisfactory performance of survey work.
- 9 **REGISTRATION CERTIFICATE:** The Agency/ firm has to furnish the copy of the PAN, GSTIN REGISTRATION, certificate of registration of firms with experience details in the name of the firm along with tender document.
10. **MANNER OF EXECUTION:**
 - 10.1 Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka shall be carried out in an approved manner as outlined in the technical specification or where not outlined, in accordance with relevant Indian Standard Specification, to the reasonable satisfaction of the Engineer in Charge.
 - 10.2 The Agency/ firm shall within 7 days after the date of acceptance of Work Order / Purchase Order, submit to the Engineer, a detail program for the supply of materials & execution of work for his consent. The agency shall whenever required by the Engineer also provide in writing for his information the general description of the arrangements and methods which the agency/ firm proposes to adopt for the execution of the work.
 - 10.3 If at any time it should appear to the Engineer that the actual progress of works does not conform to the program to which consent has been given under sub-clause-3.2, the firm shall produce at the request of the Engineer a revised program showing the modification to such program necessary to ensure completion of the works within the time of completion.

11. VARIATION, ADDITIONS & OMISSIONS:

The OPTCL shall have the right to alter, amend, omit or otherwise vary the quantum of modification work by notice in writing to the agency / firm. The agency / firm shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available; those will be mutually agreed between the OPTCL and the contractor.

12. INSPECTION DURING ERECTION:

The Engineer- in-charge or his authorized representative (s) shall be entitled at all reasonable times to inspect and supervise the Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka. Such inspection will not release the agency / firm from their obligations under this contract, to perform as per specification and standard. Advance intimation must be given to Engineer-in-charge whenever it is needed prior to execution of work.

13. COMPLETION OF WORK:

Time being the essence of contract, the Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka must be completed within 90 days from the issue of the Work Order and instruction of Engineer in Charge.

14. CONTRACTORS DEFAULT LIABILITY:

The OPTCL may upon written notice of default to the agency / firm terminate the contract in circumstances detailed hereunder.

- (a) if, in the judgment of the OPTCL the agency / firm fails the Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka within the time specified in the contract agreement or within the period for which the OPTCL has granted extension to the contractor.
- (b) If, in the judgment of the OPTCL the contractor fails to comply with any of the provisions of this contract.
- (c) In the event OPTCL terminates the contract in whole or in part as provided in paragraph (a) & (b) above, OPTCL reserves the right to engage another contractor or agency upon such terms and in such a manner as he may deem appropriate and the agency will be liable to the OPTCL for any additional costs as may be required for Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka and/or for penalty for delay as defined under this contract until such reasonable time as may be required for the final completion of the above work.
- (d) In the event OPTCL does not terminate the contract as provided in paragraph (a) & (b) above, the contractor shall continue the performance of the contract in which case he shall be liable to the OPTCL for penalty for delay as set out in this contract until the supply of materials work is completed.

15. 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 public enemy, acts of Government, cyclone, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that the contractor / firm shall within 10 (ten) days from the beginning of such delay notify the OPTCL in writing of the cause of delay. The OPTCL shall verify the facts and grant such extension as facts justify.

16. REJECTION OF WORKS:

In the event of any of the material supplied / work done by the agency / firm is found defective in material or workmanship or otherwise not in conformity with the requirement of this contract specification, the OPTCL shall either reject the material and/or work and request the agency / firm to rectify the same. The contractor on receipt of such notices rectify or replace the defective material and rectifies the work, free of cost. If the contractor fails to do so the OPTCL may,

- (a) at its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the agency plus fifteen percent from the agency and/or
- (b) terminate the contract for balance work/supplies with enforcement of penalty as per contract.

Defective materials/workmanship will not be accepted under any condition and shall be rejected outright without compensation. The contractor shall be liable for any loss/damage sustained by OPTCL.

17. EXTENSION OF TIME:

If the completion of Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka is delayed due to reason beyond the control of the contractor, the contractor shall without delay give notice to the OPTCL in writing of his claim for an extension of time. The OPTCL on receipt of such notice may agree to extend the contract delivery date of the work as may be reasonable but without prejudice to other terms and conditions of the contract.

18. TERMS OF PAYMENT:

The contractor/ agency shall present the final bill after completion of the work being duly inspected and verified by OPTCL Engineer-in-charge or his authorized representative. 100% value of the work done shall be paid within a period of one month on presentation of the final bills & furnishing of security deposit as per Clause-20 of this Work Order. Taxes & duties as applicable will be deducted from the bills at the time of releasing the payment. No running bill is permitted.

Deputy General Manager (Elect.), E.H.T. Construction Division, Bhubaneswar shall be the Paying Officer for this work.

19. LIQUIDATED DAMAGE FOR DELAY IN COMPLETION OF CONTRACT:

If the agency / firm fails to complete the work within the completion period specified in the work order or any extension granted thereto, the OPTCL shall recover from the contractor as penalty a sum of half of one percent (0.5%) of the contract price of the uncompleted portion of the work for each calendar week of delay. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (five per cent) of the contract price of the uncompleted portion of work.

20. SECURITY DEPOSIT FOR CONTRACT PERFORMANCE:

- i. The bidders are requested to submit Security Deposit @3% of contract value, in shape of demand draft/ B.G. drawn in favour of the concerned paying officer at the time of execution of agreement. The B.G. format shall be supplied by OPTCL.
- ii. No interest is payable on any kind of Security deposit.
- iii. The security deposit shall be refunded only after successful execution of contract and after adjustment of any dues.
- iv. The security deposit should be submitted separately to the paying authority.

21. PAYMENT DUE FROM THE CONTRACTOR:

All costs of damages for which the contractor/ agency is liable to the purchaser will be deducted by the purchaser from any money due to the contractor/ agency under the contract.

22. JURISDICTION OF THE HIGH COURT OF ORISSA:

Suits, if any, arising out of this contract shall be filed by either party in a Court of Law to which the jurisdiction of the High Court of Odisha extends.

23. CONTRACTORS RESPONSIBILITY:

23.1 Notwithstanding anything mentioned in the specification or subsequent approval or acceptance of the survey work by OPTCL, the ultimate responsibility for satisfactory performance of the work shall rest with the contractor.

24 RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE:

If any loss or damage happens to the work or any part thereof or materials / plant/ equipment for incorporation therein during the period of execution, contractor / firm is responsible for the same and shall at his own cost rectify / replace such loss or damage, so that the permanent work conforms in every respect with the provision of the contract to the satisfaction of the Engineer. The contractor shall also be liable for any loss or damage to the work / equipment caused by him in course of any operation carried out by him during performing the contract.

25. NON-ASSIGNMENTS:

The agency /firm shall not assign or transfer the work orders issued as per this contract or any part thereof to anyone else without the prior approval of OPTCL.

26. CERTIFICATES NOT TO AFFECT RIGHTS OF OPTCL:

The issuance of any certificate by OPTCL or any extension of time granted by OPTCL shall not prejudice the rights of OPTCL in terms of the contract nor shall this relieve the contractor of his obligations for due performance of the contract.

27. SETTLEMENT OF DISPUTES:

27.1 Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the contract shall be decided by OPTCL provided a written appeal by the agency /contractor is made to OPTCL. The decision of OPTCL shall be final to the parties hereto.

27.2 Any disputes or difference including those considered as such by only one of the parties arising out of or in connection with this contract shall be to the extent possible be settled amicably between the parties. If amicable settlement cannot be reached then all disputed issues shall be settled by Arbitration as provided in this contract.

28. ARBITRATION:

28.1 If at any time any question, dispute or difference whatsoever arises between the OPTCL and the contractor, upon or in relation to or in connection with this contract, either party may forthwith give to the other a notice in writing of the existence of such question, disputes or difference and the same shall be referred to the adjudication of three arbitrators, one to be nominated by OPTCL, the other by the contractor and the third by the President of the Institution of Engineers, India. If either of the parties fails to appoint its arbitrator, within sixty (60) days after receipt of notice for the appointment of its arbitrator then the President

of the Institution of Engineers, India shall have the power at the request of either of the parties to appoint an Arbitrator. A certified copy of the "President" making such an appointment shall be furnished to both parties.

28.2 The arbitration shall be conducted in accordance with the provisions of Indian Arbitration Act, 1940 or any statutory modification thereof and shall be held at such place and time in India as the Arbitrators may determine. The decision of the majority of Arbitrators shall be final and binding upon the parties hereto and the expenses of the arbitration shall be paid as may be determined by the Arbitrators.

28.3 Performance under the contract shall if reasonably possible continue during the arbitration proceedings and payments due to the contractor by OPTCL shall not be withheld unless they are the subject matter of the arbitration proceedings.

29. LAWS GOVERNING CONTRACT:

The contract shall be constructed according to and subject to the Laws of India and jurisdiction of the Courts of Odisha.

30. LANGUAGE AND MEASURES:

All documents pertaining to the Contract including specifications, schedules, notices, correspondence, operating and maintenance instruction, drawings or any other writings shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

31. CORRESPONDENCE:

31.1 Any notice to the contractor/firm under the terms of the contract shall be served by registered mail or by hand to the authorized local representative of the agency and copy by post to the agency /firms principal place of business.

31.2 Any notice to OPTCL shall be served to the General Manager (Elect.), EHT (C) Circle, Qr.No.C-5/1, GRIDCO Colony, Bhoingar, Bhubaneswar -751 022 in the same manner.

32. SECRECY:

The contractor shall treat the details of the specification and other documents as private confidential and they shall not be reproduced without written authorization from OPTCL.

33. AGREEMENT:

The successful agency /firm shall have to enter into an agreement with the concerned Engineer-in-charge in the approved contract agreement form within 10 days of the receipt of the individual work order in the prescribed format on the non-judicial stamp paper of worth Rs.50/- (Rupees Fifty) only.

34. PENALTY FOR DELAY IN COMPLETION OF CONTRACT: If the agency /firm fails to provide service as per the contract, an amount twice the calculated daily billed amount for the period of non-providing services, will be deducted from the monthly bills or by encashment of security deposit(if required) of the agency. The unsatisfactory performance for a period of continuous two months will be liable for termination of contract with forfeiture of security deposit/ BG relating to that office and the agreement of other offices will also be terminated with one month notice.

35. RECOVERY FROM THE AGENCY /FIRM: The agency is fully responsible and liable for any loss or damage of equipment / materials of OPTCL. Full cost of damages caused to equipments/materials of OPTCL during execution of work will be recovered from the monthly bills/ or by encashment of security deposit.

36. SUPPLY OF MATERIAL: All required men and materials to be used for Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka shall be supplied by the contractor/ agency.

- 37. OUTRIGHT REJECTION OF TENDERS:** - The tenders shall be liable for outright rejection if the following have not been complied.
- a. Tenderers should have purchased the tender specification from the office of the G.M., EHT (C) Circle, Bhubaneswar in his own or Firm's name/download the specification from OPTCL web site.
 - b. Tenders shall be submitted in person or by Registered post with A.D. and received before the time fixed for receipt of tender.
 - c. Tenders shall not be submitted telegraphically or by e-mail.
 - d. Tenders shall be kept valid for a minimum of 120 days from the date of opening of the tender.
 - e. Tenders shall be accompanied with clear valid attested Xerox copy of GSTIN registration, PAN card, registration of firms and experience which must be valid on the date of opening of the tender. All copies of documents and each page of the tender must be signed by the authorized representative of the bidders.
 - f. The tender shall not be conditional
 - g. Tenders shall be submitted in duplicate
 - h. The tenderers shall have filled the information at Section-IV with Annexures and price schedule of this tender specification.
38. If awarded the contractor/ agency has to acknowledge acceptance of the work order within 07 (seven) days from the date of issue as a token of acceptance and consent to carry out the work as per the terms and condition laid as in work order/ tender specification with a understanding of the literally meaning of all the terms of conditions in the Tender specification and submit the required Bank Guarantee within 07 days (seven) from the date of issue of this work order.

N.B.: Supply of required T&P, materials and execution of works at the site will be done as per the instruction of the Engineer-in-charge.

SECTION-III

TECHNICAL SPECIFICATION

Preliminary Survey:

The route alignment shall be plotted on Survey of India topographical maps to the scale of 1 cm= 0.5 Km (1:50,000). All topographical details including all railway lines, rivers, canals, roads up to 8 Kms. on either side of the route of transmission lines shall be written in capital letters only. Alignment shall be plotted on the map with North being clearly indicated on each drawing.

For convenience in handling, each drawings shall be restricted to the standard 'Survey of India Topo-sheet size with 30mm overlaps between the sheet. The match line shall be clearly shown on each sheet

The bidder should note that Employer will not furnish the topographical maps prepared by Survey of India but will make available any assistance that may be required in obtaining the topographical maps

Three copies of the route alignment drawings & survey reports along with all other information, shall be furnished in a report form to the General Manager (Elect.), EHT (C) Circle, OPTCL, Bhubaneswar for approval through concerned Dy. General Manager & S.D.O. After approval the Contractor/ agency shall submit six more sets of the approved survey report along with one set of reproducible of final route alignment drawings to the General Manager (Elect.) for approval.

Detailed survey:

Clearing for survey: - Immediately after the General Manager (Elect.) has approved the line routes as determined by the preliminary survey, the Contractor will arrange for clearing to commence to allow the ground profile survey to proceed with the minimum of delay. The Contractor Shall finalize and submit proposals for all obligatory points within 1 (one) month from the date of Letter Of Award. These obligatory points shall include all the river crossings, railway crossings, power line crossings, forest areas or any other important crossings encountered in the transmission line route.

TECHNICAL SPECIFICATION FOR TAKING UP THE SURVEY OF EHT LINES:

1. Each angle point should have 5nos. of concrete pillars.
2. Each major road crossing should have 2nos. of concrete pillars.
3. Each Railway crossing should have 2nos. of concrete pillar. In every 500 meters, there should be a concrete pillar.
4. In angle point center Peg should be marked with a letter 'C' having Circle with a dot at the center with the help of Red paint.
5. The direction Peg should be marked with a letter 'D' having a arrow showing the direction with the help of Blue paint.
6. The type of soil encountered during survey should be demarcated on the profile.
7. The thick plantation of trees, homestead land should be avoided as far as possible. In case of forestland it Should be avoided completely as far as practicable.

8. The size of concrete pillars should be (150 X 150 X 400) mm. with a small hole at the top center.
9. The R.L. (Reduced Level) may be calculated in respect to the available Benchmark fixed by Survey of India. This can be done by making fly level from the fixed B.M. to the starting point of our survey.
10. The separate profile of each Railway crossing, 132/220 KV crossing should be submitted.
11. Each small Nalas should be demarcated in the body of profile.
12. The H.F.L. should be demarcated in the profile.

The ground profiles (Longitudinal sections) with strip route plans are to be prepared by the agency for the complete route length, generally in accordance with the requirements of IS: 5613 and this Specification The scale shall be 1:2000 horizontal' and 1:200 vertical. [n addition to showing the line route ground line, the following features, where applicable, shall be shown:

- continuous longitudinal chainage
- ground line
- indication of side slopes where these affect clearances (account being taken of conductor under wind loaded conditions).
- all the numbered pegs identifying the supply points and the towers locations, For each peg the plan will show partial and progressive distances and elevation
- buildings, rivers, roads, power and telecommunication lines, railways and other obstacles to be crossed, including where necessary ,details to confirm the required electrical clearances are obtained
- vegetation and nature of ground
- distances from center line of route to forest hand, groves and orchards
- land schedulings for forest stretches

Special crossings profile such as Railway crossing, EHT line crossing & river crossing should be prepared in a separate profile showing the crossing span including before span & next span.

Land Schedule: Preparation of land schedule on revenue maps indicating alignment therein duly authenticated by Revenue Inspector and Tahasildar, enumeration of trees with the help of forest officers and other prominent features required for alignment of line. Revenue maps shall be collected by the Contractor. Minimum 3 copies of land schedule should be furnished for approval.

Detail Survey works to be carried out:

Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka.

Detailed survey for ascertaining feasible route, identifying the underground utilities by making ground penetration method survey, identifying the utilities over the ground, preparation of land schedule, preparation of the detail marking on topo sheet, preparation of the route alignment map, submission of ground profile and survey report.

The detail scope of works for execution of the above works also includes.

1. Detail survey of the proposed UG cable route (Two option)
2. Preparation of proposed cable route profile showing HDD and open cast portion
3. Preparation of drawing for cable laying
4. Joint bay design
5. Cable trench design
6. Modification in dead end towers (If required)
7. Preparation of BoQ
8. Cables over bridges, cable crossing open drains with long span, road crossings, footpath cutting

All the works assigned to be done as per instruction of Engineer-in-charge & as per technical specification.



General Manager (Elect.)
E.H.T. Construction, Circle, BBSR.

SECTION-IV

(ANNEXURE – I)

GENERAL INFORMATION

The bidder shall furnish general information in the following format.

1. Name of the Firm:

2. Head office address:

3. Contact persons:

Telephone No.

Office:

Residence:

Fax No.

Telex:

4. Place of incorporation / Regn.

5. Year of incorporation / Regn.

SIGNATURE OF TENDER

NAME:

DESIGNATION (SEAL):

DECLARATION FORM

Tender Specification No. _____/

To,

Sir,

1. Having examined the above specification together with tender conditions referred to therein, I/We undersigned hereby offer to execute the work contract covered therein complete in all respect as per the specification and general conditions, at the rates entered in the attached contract schedule of prices in the tender. Our offer is valid up to 120 days from the date of tender opening and the prices, which are on firm basis, will remain valid for two years from the date of opening of tender.

2. I/We hereby undertake to have the works completed within the time specified in the tender.

3. I/We certify to have purchased a copy of the specification by remitting cash demand draft and this has been acknowledged by you in your letter No. _____ dtd. _____

4. In the event of work order being decided in my/our favour, I/We agree to furnish the Bank Guarantee in the manner acceptable to Odisha Power Transmission Corporation Limited and for the sum as applicable to me/us as provided in the general conditions of contract (Section-II) of this specification within 10 days of issue of Work Order, failing which I/We clearly understand that the said work order will be liable to be withdrawn by OPTCL.

Signed this day of2013.

Yours faithfully,

Signature with designation &
Seal of Tenderer.

(This form should be duly filled in by the tenderer and submitted along with the original copy of tender)

ABSTRACT OF TERMS & CONDITIONS

(To be furnished by the Tenderer)

1. Name of the work: - Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka..
2. Name of the Contractor
& address :-
3. Earnest Money deposited: Exempted

4. Attested copy of GSTIN :- Furnished/Not furnished
5. Attested copy of Pan No :- Furnished/Not furnished
6. Attested copy of
Registration certificate of firms / :- Furnished/Not furnished
- 7) Agreed to furnish security
deposit-Cum-Performance
guarantee as per terms of
tender :- Yes/No
- 8) Agreed to adhere completion
of work as per the contract :- Yes/No
- 9) Agreed to accept payment
terms as per the tender :- Yes/No.
- 10) Agreed to accept penalty clause
as per the tender :- Yes/No
- 11) Attach past experience certificate
for the similar job in OSEB/Gridco/OPTCL
or any other Agencies :- Yes/No
- 12) Agreed to keep validity of the
tender for 120 days from the date
of opening of tender without any
variation in the tender clause :- Yes/No
- 13) Agreed to obtain labour contract
license on event of work order from
the competent authority :- Yes/No.
- 1) Submitted tender in duplicate :- Yes/No.
- 15) Agreed to all terms & conditions
of the tender specifications :- Yes/No.

Date :-

Signature of tenderer with seal

EXPERIENCE RECORD

The bidder shall furnish details of Work Orders for similar nature of work received during the last three years and already completed and under execution.

Sl No	Work Order No. & Date.	Name & address of the authority placing order.	Value of contract.	Scheduled date of completion of work.	Lapses if any in executing the Work Order.	Remarks.
1	2	3	4	5	6	7

SIGNATURE OF TENDERER

NAME:

DESIGNATION (SEAL):

LITIGATION HISTORY**Name of the Applicant:**

Bidder should provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execution.

Year.	Award for or against bidder.	Name of client, cause of litigation and matter in dispute.	Disputed amount (Current value in Rs.).
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SIGNATURE OF TENDERER

NAME:

DESIGNATION (SEAL):

N.B.: In case no information is available, the bidder should mention 'NIL', otherwise, the bid shall be treated as incomplete and liable for rejection.

ANNEXURE – VI

SCHEDULE OF PRICES

Name of the work: “Detail survey for construction of 132KV UG cabling from 400/220/132/33KV Grid Sub-Station, Mendhasal to 220/132/33KV Grid Sub-Station, Chandaka”.

Estimate Cost = Rs. 16,44,955/- only (Including GST)

Sl. No.	DESCRIPTION.	Unit KMs	Approx. route length (In KM)	RATE (In Rs.)	AMOUNT (In Rs.)
1	Detailed survey for ascertaining feasible route, identifying the underground utilities by making ground penetration method survey, identifying the utilities over the ground, preparation of land schedule, preparation of the detail marking on topo sheet, preparation of the route alignment map, submission of ground profile and survey report		23		

SIGNATURE OF TENDERER

NAME:

DESIGNATION (SEAL):

ANNEXURE-VII

**PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY
DEPOSIT AND PERFORMANCE GUARANTEE.**

This Guarantee Bond is executed this _____ Day of _____ 20____ by us, the _____ Bank at _____ P.O. _____ P.S. _____ Dist _____ State _____

1. WHEREAS the ODISHA POWER TRANSMISSION CORPORATION LTD a body corporate constitute under the Electricity (Supply) Act.1948 (hereinafter called "the OPTCL") has placed orders No. _____ date _____ (hereinafter called "The Agreement ") on M/S _____ (hereinafter called "The Contractor") for supply of materials .AND WHEREAS the OPTCL has agreed (1) to exempt the Contractor from making payment of Security, and (2) to exempt from performance guarantee on furnishing by the Contractor to the OPTCL, a Composite Bank Guarantee of the value of Rupees..... only.

NOW THEREFORE in consideration of the OPTCL having agreed (1) to exempt the Contractor from making payment of Security and (2) to exempt from furnishing performance guarantee in terms of the said agreement as aforesaid, we the _____ (Bank) (hereinafter referred to as 'the Bank') do hereby undertake to pay the OPTCL an amount not exceeding Rs. _____ (Rupees _____) against any loss/ damage caused to or suffered by or would be caused to or suffered by the OPTCL 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 this guarantee without any demur, merely on demand from the OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by the OPTCL by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said agreement or by reason of the Contractor's failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due any payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____).

3. We the _____ (Bank) also undertake to pay to the OPTCL any money so demanded not withstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding institute/pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us this under this bond shall be a 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, (_____ Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to do so enforceable till all the dues of the OPTCL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Chairman Cum Managing Director, ORISSA POWER TRANSMISSION CORPORATION LTD. 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

Unless a demand or claim under this guarantee is made on us in writing on or before the (Date _____) we shall be discharged from all liability under this guarantee thereafter.

5. We, (_____ Bank) further agree that the OPTCL shall have the fullest liberty without our consent and without affecting in any manner or 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 variations or extension being granted to the said Contractor(s) or for any such variations or the OPTCL or any indulgence by the OPTCL to the Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but this provisions have effect of so relieving us.

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

7. We, (_____ Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the OPTCL in writing.
Date _____ at _____ the _____ Day of _____
_____ Two thousand _____.

8. This Bank Guarantee shall remain in force up todated theday of.....2014.

For _____

(Indicate the name of the Bank)

Witness: (with signature, names and address)

1.

2.