



ODISHA POWER TRANSMISSION CORPORATION LTD.
OFFICE OF THE SENIOR GENERAL MANAGER (TELECOM)
TELECOM CIRCLE, BHUBANESWAR
AT-SLDC BUILDING, NEAR 132/33 KV S/S, MANCHESWAR
PO: MANCHESWAR, RAILWAY COLONY, BHUBANESWAR
DIST: -KHURDA, ODISHA, PIN-751017
CIN: U40102OR2004SGC007553/GSTIN:21AAAC07873L1Z6
[Email: telc.cle.bbs@optcl.co.in](mailto:telc.cle.bbs@optcl.co.in)
Contact no-9438907477

TENDER SPECIFICATION NO.
02/2025-26

FOR

SUPPLY OF DIFFERENT POWER CABLE FOR COMMISSIONING OF
BATTERY & CHARGER AT DIFFERENT TELECOM SECTIONS UNDER
TELECOM CIRCLE, OPTCL, MERAMUNDALI.

SALE OF TENDER SPECIFICATION:	DT. 03-09-2025
LAST DATE SALE OF TENDER SPECIFICATION:	DT. 23-09-2025
LAST DATE OF SUBMISSION OF TENDER:	DT. 24-09-2025
DATE OF OPENING OF TENDER:	DT. 24-09-2025
COST OF TENDER PAPER:	RS. 7080/-

ISSUED TO,

M/S.....

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ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of ODISHA Under Taking)

Regd. Office: Tech Tower, Janpath, Saheednagar, Bhubaneswar-751007

OFFICE OF THE SENIOR GENERAL MANAGER (TELECOM)

**TELECOM CIRCLE, OPTCL, BHUBANESWAR, AT-SLDC BUILDING, NEAR
132/33KV S/S, MANCHESWAR, PO:-MANCHESWAR RAILWAY COLONY, BBSR**

DIST:-KHURDA, ODISHA, PIN-751017, Email-telc.cle.bbs@optcl.co.in

CIN: U40102OR2004SGC007553/GSTIN:21AAAC07873L1Z6

CONTACT NO.-9438907477

SECTION-I

TENDER CALL NOTICE NO.TELC/CLE/BBSR/ACDC

CABLE/TENDER- 02/2025-26

Sealed tenders are invited by the undersigned from the Registered reputed Suppliers/Contractors having valid License with I.T. PAN, GST Registration No. etc. for **“SUPPLY OF DIFFERENT POWER CABLE FOR COMMISSIONING OF BATTERY & CHARGER AT DIFFERENT TELECOM SECTIONS UNDER TELECOM CIRCLE, OPTCL, BHUBANESWAR”**.

Cost of Tender Paper:	Rs. 7,080/- (Rs.6000/- + GST @18%)
EMD:	1% of the quoted cost.
Sale of Tender documents:	From Dt. 03.09.2025 to 23.09.2025 (11:00 A.M. to 5:30 P.M.).
Last date of submission of tender:	Dt. 24.09.2025 up to 1.00 PM.
Date of opening of tender:	Dt. 24.09.2025 at 4.00PM

The tender specification can be obtained from the office of The GM, TELECOM CIRCLE, OPTCL, BHUBANESWAR on payment of **Rs. 7080/-** towards Paper Cost **including GST @ 18%**(Non Refundable) in shape of Bank Draft in favour of S r . G M , TELECOM CIRCLE, BHUBANESWAR payable at “UNION BANK OF INDIA”, BBSR MAIN BRANCH on any working day from **Dt. 03-09-2025 to Dt. 23-09-2025**. In case the D.D is made in any other nationalized bank payable at any clearing branch at BBSR will be allowed, but the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Nonrefundable. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received by **01.00 PM** on **dated 24-09-2025** & will be opened at **04.00 PM** on **24-09-2025** in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to each Bidder. E.M.D value (detail mentioned in EMD clause) should be deposited in shape of Demand Draft in favour of the Sr.GM, **TELECOM CIRCLE, OPTCL, BHUBANESWAR** & payable at “UNION BANK OF INDIA”, BBSR Main Branch

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

**Sr.General Manager
Telecom Circle, Bhubaneswar**

SECTION-II
INSTRUCTION TO TENDERERS

1. Sealed tenders in duplicate duly super scribed as “**TENDER AGAINST TENDER CALL NOTICE NO. 02 /2025-26** are invited from registered service providers / contractors for the work “**SUPPLY OF DIFFERENT POWER CABLE FOR COMMISSIONING OF BATTERY & CHARGER AT DIFFERENT TELECOM SECTIONS UNDER TELECOM CIRCLE, OPTCL, BHUBANESWAR**” as per the technical specification enclosed which should be received in this office on or before **1.00 P.M. Dt. 24.09.2025** and the same shall be opened on dt. **24.09.2025** at **4:00 PM** in presence of the tenderers or their authorized agents. Tenders received after **1.00 P.M** on Dt. **23.09.2025** will not be accepted since the tender box will be closed at 1.00 P.M. The bidders must possess valid GST No. & PAN.
2. Tenders shall be submitted in duplicate signed in each page by the authorized signatory in a sealed cover envelope addressed to the **Sr.GENERAL MANAGER, TELECOM CIRCLE, OPTCL, BHUBANESWAR, AT-SLDC BUILDING,NEAR 132/33KV S/S,MANCHESWAR, PO-MANCHESWAR,RAILWAY COLONY,BHUBANESWAR**All documents submitted along with the tender must be signed and certified by the authorized signatory of the bidder.
3. No telegraphic tenders / forwarding by FAX will be accepted.
4. This office will not be responsible for non-receipt/late receipt of the tender documents due to postal delay.
5. The tenders shall be furnished strictly as per the terms and conditions of the tender specification. Incomplete tenders will be rejected.
6. The Authority may alter the quantum of work at the time of placing orders.
7. Only those, who have purchased the tender specification from this office by their name/Firm’s name, can submit their tender. Tenders submitted by others will be rejected.
8. 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.
9. (i) The tender shall be accompanied with earnest money 1 % of the total quoted cost in shape of Bank draft drawn in favour of **Sr. General Manager, Telecommunication Circle, OPTCL, Bhubaneswar payable at “UNION BANK OF INDIA”, BBSR Main Branch**, without which their tender shall be rejected. Cheques will not be accepted.

(ii) No interest shall be paid on E.M.D and shall be returned to the bidder after finalization of the tender & award of W.O to the successful tenderer.
10. The Authority reserves the right to reject the lowest or any other tender or all tender without assigning any reason what-so-ever.
11. 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.
12. In the event of discrepancy or arithmetical error in the bid, the decision of the purchaser shall be final and binding on the tenderer.

13. For evaluation, the price mentioned in words shall be taken in to account, if there is any difference in figure and words in the price bid.
14. Conditional tender shall not be accepted and no discount other than the quoted price will be allowed as mentioned in the original offer.
15. The tenderers are advised to visit the site and make themselves acquainted with the site conditions before submission of tender.
16. Tenders shall be kept valid for a maximum period of 60 days from the date of opening of tender.

Sr.General Manager
Telecom Circle, Bhubaneswar

SECTION-III

GENERAL CONDITIONS OF CONTRACT (GTCC)

1.0 Scope of the contract

The scope of the contract shall be to **supply of different power cables for commissioning of battery & charger at different Telecom Sections under Telecom Circle, OPTCL, Bhubaneswar**

2.0 Definition of Terms

For the purpose of this Specification and General Terms & Conditions of Contract (G.T.C.C.) the following words shall have the meanings hereby indicated, except where otherwise described or defined.

“The Purchaser” shall mean the Sr. General Manager (Telecom.) for & on behalf of Telecom Circle, OPTCL, **Bhubaneswar**

- 2.1** “The Engineer” shall mean the engineer appointed by the Purchaser for the purpose of this contract.
- 2.2** “Purchaser’s Representative” shall mean any person or persons or consulting firm appointed and remunerated by the Purchaser to supervise, inspect, test and examine workmanship and materials of the equipment to be supplied.
- 2.3** “The Contractor” shall mean the Bidder whose bid has been accepted by the Purchaser and shall include the Bidders’ executives, Administrators, Successors and permitted assignees.
- 2.4** “Equipment” shall mean and include all machinery, apparatus, Materials, articles to be provided under the contract by the Contractor.
- 2.5** “Contract Price” shall mean the sum named in or calculated in accordance with the provisions of the contract as the “Contract Price” which shall include packing, forwarding, freight, insurance, GST as applicable at the time of opening of bids.
- 2.6** “General Conditions” shall mean these General Terms and Conditions of Contract.
- 2.7** “The Specification” shall mean the Specification annexed to or issued with G.T.C.C. and shall include the schedules & drawings attached thereto as well as all samples and pattern, if any.
- 2.8** “Month” shall mean “Calendar month”.
- 2.9** “Writing” shall include any manuscript, type written, printed or other statement re-production in any visible form and whether under seal or under hand.
- 2.10** “F.O.R. Destination Costs” shall mean the cost of equipment and material at the consignee’s stores. The cost is exclusive GST, but is inclusive of packing, forwarding and insurance and freight charges.
- 2.11** The term “Contract documents” shall mean and include G.T.C.C., Specifications, Schedules, Drawings, Form of Tender, Covering Letter, Schedule of Price of the final successful bidder any

special conditions applicable to the particular contract, Specifications and drawings and the purchase order & the agreement to be entered into.

- 2.12** Terms and Conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that, in the Odisha General Clauses Act.

3.0 Manner of Execution

All materials supplied under the contract shall be manufactured in the manner set out in the Specification or where not set out, to the reasonable satisfaction of the Purchaser's representative.

4.0 Rejection of Materials

In the event any of the materials/equipment supplied by the Contractor is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the Purchaser shall either reject the materials/equipment or ask the Contractor in writing to rectify the same. The Contractor on receipt of such notification shall either rectify or replace the defective materials/equipment free of cost of the Purchaser. If the Contractor fails to do so, the Purchaser may:-

- (a) As its option, replace or rectify such defective materials/equipment and recover the extra costs so involved from the Contractor plus fifteen percent and /or.
- (b) Terminate the contract for balance work/supplies, with enforcement of penalty Clause as per contract for the un-delivered goods and with forfeiture of performance Guarantee/Composite Bank Guarantee.
- (c) Acquire the defective materials/equipment at reduced price, considered equitable under the circumstances.

5.0 Language and Measures

All documents pertaining to the contract including Specifications, Schedule, Notices, Correspondence, Operating & Maintenance instructions, Drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

6.0 Deviation from Specification

It is in the interest of the Tenderers to study the Specification specified in the tender schedule thoroughly before tendering so that, if any deviations are made by the Tenderers, the same are prominently brought out on a separate sheet under heading "Deviations".

A list of deviation shall be enclosed with the Tender. Unless deviation in scope, technical and commercial stipulations are specifically mentioned in the list of deviations, it shall be presumed that the **Tenderer has accepted all the conditions stipulated in the tender Specification, notwithstanding any exemptions mentioned therein.**

7.0 Right to Reject/Accept Any Tender

The Purchaser reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the Purchaser. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The Purchaser has exclusive right to alter the quantities of materials at the time of placing final Purchase order. After placing of the order, the Purchaser may defer the delivery of the materials. It may be clearly understood by the Tenderer that the Purchaser need not, assign any reason for the above action(s).

8.0 Contractor to inform himself fully

The Contractor shall examine the instructions to Tenderers, General Conditions of contract, Specification and the Schedules of Quantity and delivery to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price(s) according to his own views on these matters and understand that additional allowances except as otherwise provided therein will be levied. The Purchaser shall not be responsible for any misunderstanding or incorrect information obtaining by the Contractor other than the information given to the Contractor in writing by the Purchaser.

9.0 Patent Rights Etc.

The Contractor shall indemnify the Purchaser against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent design or copy right protected either in the country of origin or in India by the use of any materials/equipment supplied by the Contractor. But such indemnity shall not cover any use of the materials/equipment, other than for the purpose indicated by or reasonably to be inferred from the Specification.

10.0 Delivery

- (a) Time being essence of the contract, the materials/equipment shall be supplied within the delivery date specified in the contract. The Purchaser, however, reserves the right to reschedule the delivery if required. The delivery period shall be reckoned from the date of placing the Letter or Intent/Purchase order as may be specified in the LOI/Purchase order.
- (b) The desired delivery period shall not ordinarily exceed more than one month.
- (c) The materials shall be supplied within 30 days from the date of issue of Purchase order.

11.0 Dispatch instructions

- (i) The materials should be securely packed and dispatched directly to the consignee at the Contractor's risk.

(ii) **Loading & Unloading of Ordered Materials**

It will be the sole responsibility of the Contractor for loading and unloading & stacking of materials both at the factory site and at the destination store. The Purchaser shall have no responsibility on this account.

12.0 Contractor's Default Liability

- (i) The Purchaser may, upon written notice of default to the Contractor, terminate the contract in circumstances detailed hereunder.
 - (a) If in the judgment of the Purchaser, the Contractor fails to make delivery of materials/equipment within the time specified in the contract or within the period for which extension has been granted by the Purchaser in writing in response to written request of the Contractor.
 - (b) If in the judgment of the Purchaser, the Contractor fails to comply with any of the provisions of this contract.
- ii) In the event Purchaser terminates the contract in whole or in part as provided in Clause-12(i) of this section, the Purchaser reserves the right to purchase upon such terms and in such a manner as he may deem appropriate materials/equipment similar to those terminated and the Contractor will be liable to the Purchaser for any additional costs for such similar materials/equipment and/or for penalty for delay as defined in Clause-19 of this section until such reasonable time as may be required for the final supply of materials/equipment.
- iii) In the event the Purchaser does not terminate the contract as provided in Clause 12(i) of this Section, Contractor shall continue executing the contract, in which case he shall be liable to the Purchaser for penalty for delay as set out in Clause-19 of this Section until the materials/equipment is accepted. This shall be based only on written request of the supplier and written willingness of Purchaser.

13.0 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, Floods, Epidemics, Quarantine restrictions, strikes, Freight Embargo, provided that the Contractor shall within ten (10) days from the beginning of such delay notify the Purchaser in writing of the cause of delay, upon which, the Purchaser shall verify the facts and grant such extension as facts justify.

14.0 Extension of Time

If the delivery of materials/equipment is delayed due to reasons beyond the control of the Contractor, the Contractor shall without delay give notice to the Purchaser in writing of his claim for an extension of time. The Purchaser on receipt of such notice may agree to extend the contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract.

15.0 Bank Guarantee towards Security Deposit, 100% Payment and performance Guarantee

A Composite Bank Guarantee as per the proforma of the specification for 10% (Ten percent) of the total cost of the purchase order, shall be furnished from any Nationalized/ Scheduled Bank having a place of business at BBSR, to the office of Sr.General Manager, Telecom Circle, OPTCL, **Bhubaneswar**

within 30 (Thirty) days of issue of purchase order. The Bank Guarantee shall be executed on non-judicial stamp paper worth of Rs.29/- or as applicable, as per the prevalent rules, valid for a period of 2(two) months more than the guarantee period mentioned at clause-18 for scrutiny and acceptance, failing which the supply order will be liable for cancellation without any further written notice. The said Bank Guarantee should be accompanied & should have provision for encashment at BBSR, before the bank Guarantee is accepted & all concerned intimated. The BG should be revalidated as & when intimated to the successful bidder to cover the entire guarantee period.

- i) No interest is payable on any kind of Bank Guarantee.
- ii) In case of non-fulfillment of contractual obligation as required in the detailed purchase order/specification, the composite Bank Guarantee/Permanent Registration Fee shall be forfeited.
- iii) The Composite/Performance Bank guarantee amount on the full order value shall be deducted from the first claim of the supplies made in cases where no Composite Bank Guarantee/Performance Bank Guarantee is furnished.

16.0 Import License

In case imported materials are offered no assistance will be given for release of foreign Exchange. The firm should arrange to import materials from their own quota. Equipment of indigenous origin will be preferred.

17.0 Terms of Payment

- i) **PAYING AUTHORITY:** SrGM (TC), Telecom Circle, OPTCL, Bhubaneswar
- ii) **CONSIGNEE / VERIFYING OFFICER:** Concerned SDOs of under Telecomm Circle BBSR
- iii) **90%** of the contract price including GST will be paid on receipt of materials in good condition and after installation & commissioning of the supplied materials in desired location and verification thereof, subject to furnishing and approval of guarantee certificate by the Purchaser. Balance 10% of the total contract price shall be paid after completion of guarantee period successfully and taking over certificate by the consignee. In case of non-fulfillment of contractual obligation, as required in the detailed purchase order / Specification, the retention amount shall be forfeited.

18.0 Price Reduction Schedule for Delay in Completion of Contract

(i) If the Contractor fails to deliver the materials/equipment within the delivery schedule specified in the contract including delivery time extension, if any, granted thereto, the Purchaser shall recover from the Contractor penalty for a sum of one half of one percent (0.5 per cent) of the Ex-works price of the undelivered equipment for each calendar week of delay or any part thereof. For this purpose, the date of receipted challans shall be reckoned as the date of delivery. The total amount of penalty shall not exceed five per cent (5%) of the Ex-works price of the unit or units so delayed. Equipment will be deemed to have been delivered only when all its components, parts are also delivered. If certain components are not delivered in time, the equipment will be considered as delayed until such time as the missing parts are delivered.

(ii) If the contractor fails to rectify/ replace the equipment/materials within 30days from the date of intimation of the fact, so noticed by the purchaser within the guarantee period then the penalty for sum of one half of the one percent (0.5%) of the total purchase order amount for each calendar week of delay shall be recovered by the purchaser within the guarantee period. For this purpose, penalty date will be counted from the 30th day from the date of issue of letter on defectiveness of equipment/materials, so supplied by the purchaser. The total amount of penalty in this case shall not exceed 5% (Ten percent) at the purchase order amount. If the defects so intimated is not rectified by the suppliers within the guarantee period then whole of the BG will be forfeited by the purchaser, without any intimation to the supplier.

19.0 Insurance

The Contractor at his cost shall arrange, secure and maintain all insurance as may be pertinent to the works and obligatory in terms of law to protect his interest and interests of the employer, against all perils detailed herein. The form and the limit of such insurance as defined herein together with the under-writer in each case shall be acceptable to the employer. However irrespective of such acceptance the responsibility to maintain adequate insurance coverage at all time during the period of Contract. Shall be of the contractor alone. The contractor's failure in this regard shall not relieve him of any of this contractual responsibilities and obligations. The Insurance covers to be taken by the Contractor shall be in the joint name of the Employer and the Contractor. The Contractor shall, however, be authorized to deal directly with Insurance Company or Companies and shall be responsible in regard to maintenance of all insurance covers. Further the insurance should be in freely convertible currency. Any loss or damage to the equipment during handling, transportation, storage erection, putting into satisfactory operation and all activities to be performed till the successful completion of commissioning of the equipment shall be to the account of the Contractor.

20.0 Payment Due from the Contractor

All costs and damages, for which the Contractor is liable to the Purchaser, will be deducted by the Purchaser from any money due to the Contractor under any of the Contract(s).

21.0 Contractor's Responsibility

Notwithstanding anything mentioned in the Specification or subsequent approval or acceptance by the Purchaser, the ultimate responsibility for design, materials used and satisfactory performance shall rest with the Tenderers.

22.0 Validity.

Prices and conditions contained in the offer should be kept valid for a period of 60 days from the date of opening of the tender, failing which, the tender shall be rejected.

- (a) In comparing bids and in making awards, the Purchaser may consider such factors as compliance with Specification, relative quality & adaptability of supplies or services, experience, financial soundness, record of integrity in dealings, performance of materials/equipment earlier supplied, ability to furnish repairs and maintenance services, the time of delivery, capability to perform including available facilities such as adequate shops, plants, equipment and technical organization.

23.0 Jurisdiction of the High Court of Odisha

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

24.0 Correspondences

- i) Any notice to the Contractor under the terms of the contract shall be served by Registered Post or by hand at the Contractor's Principal Place of Business.
- ii) Any notice to the Purchaser shall be served at the Purchaser's Principal office in the same manner.

25.0 Official Address of the Parties to the Contract

The address of the parties to the contract shall be specified:

(i) Purchaser:

OFFICE OF THE Sr.GENERAL MANAGER, TELECOM CIRCLE, OPTCL,
BHUBANESWAR, AT-SLDC BUILDING,NEAR 132/33KV S/S,MANCHESWAR, PO-
MANCHESWAR,RAILWAY COLONY,BHUBANESWAR.

(ii) Supplier:

Name:

Address:

26.0 Outright Rejection of Tenders

Tenders shall be outright rejected if they are not complying with the following requirements:

- i) Tenders shall be submitted in person or by **Registered Post with A.D.**
- ii) Tenders shall not be submitted telegraphically or by FAX.
- iii) Tenders shall be accompanied by the prescribed Earnest Money Deposit unless otherwise qualified for exemption from furnishing of EMD.
- iv) Tender shall be kept valid for a period of 60 days from the date of opening of Tender.
- v) Tender shall be submitted in one part as specified.
- vii) The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.
- viii) Tenderer should quote FIRM price and the price should be kept valid for a period of 60 days from the date of opening of the tender.

27.0 Documents to be treated as Confidential

The Contractor shall treat the details of the Specification and other Tender documents as private and confidential and they shall not be reproduced without written authorization from the Purchaser.

28.0 Scheme/Projects

The materials/equipment covered in this Specification shall come under “**R&M Works**” of OPTCL.

SECTION - IV

(LIST OF ANNEXURES)

The following Schedules and proforma are annexed to this Specification and contained in Section - III as referred to in the relevant Clauses.

i)	Price Schedule	ANNEXURE-I
ii)	Abstract of Terms & Conditions to accompany Section – III	ANNEXURE-II
iii)	Declaration form	ANNEXURE-III
iv)	Abstract of General Terms and Conditions of Contract [Commercial]	ANNEXURE-IV
v)	Delivery of materials with address	ANNEXURE-V
vi)	Earnest Money Deposit to be furnished by Tenderers	ANNEXURE-VI
vii)	Deviation schedule	ANNEXURE-VII

ANNEXURE-I
PRICE SCHEDULE

Sl. No.	Items	SAC Code	Make	Unit	Qty	Unit Price (in Rs.)	Amount (in Rs.)
1.	4Cx4sqmm Copper Flexible Cable		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	250		
2.	4Cx6sqmm Copper Flexible Cable		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	640		
3.	1Cx10sqmm Copper Flexible Cable (Red)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	655		
4.	1Cx10sqmm Copper Flexible Cable (Black)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	655		
5.	1Cx16sqmm Copper Flexible Cable (Red)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	120		
6.	1Cx16sqmm Copper Flexible Cable (Black)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	120		
7.	1Cx25sqmm Copper Flexible Cable (Red)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	242		
8.	1Cx25sqmm Copper Flexible Cable (Black)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	242		
9.	1Cx35sqmm Copper Flexible Cable (Red)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	65		
10.	1Cx35sqmm Copper Flexible Cable (Black)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr.	65		
11	1Cx16sqmm Copper Flexible Cable (Green)		Finolex/Polycab/Havells /RR Kabel/KEI Industries/V-Guard	Mtr	380		
SUB-TOTAL (in Rs.)							
GST @18% (in Rs.)							
GRAND TOTAL (in Rs.)							

Date:

Signature of the Bidder Authorized Signatory

ANNEXURE-II
ABSTRACT OF TERMS & CONDITIONS
(To be furnished by the Tenderer)

Name of the work: - **“SUPPLY OF DIFFERENT POWER CABLES FOR COMMISSIONING OF BATTERY & CHARGER AT DIFFERENT TELECOM SECTIONS SUNDER TELECOM CIRCLE, OPTCL, BHUBANESWAR”.**

1. Name of the Contractor & address :-

2. Earnest Money deposited in shape of .DD

vide Draft No. _____ Dt. _____ Amount _____
(Rupees _____) only.

- | | | | |
|-----|---|----|-------------------------|
| 3. | Attested copy of GST Registration certificate | :- | Furnished/Not furnished |
| 4. | Attested copy of Pan No | :- | Furnished/Not furnished |
| 5. | Audited copy of Balance Sheet & Profit & Loss | :- | Furnished/Not furnished |
| 6. | Audited copy of Financial Ratio | :- | Furnished/Not furnished |
| 7. | Agreed to adhere completion of work as per the contract | :- | Yes/No |
| 8. | Agreed to accept payment terms as per the tender | :- | Yes/No. |
| 9. | Agreed to accept penalty clause as per the tender | :- | Yes/No |
| 10. | Agreed to keep validity of the tender for 60 days from the date of opening of tender without any variation in the tender clause | :- | Yes/No |
| 11. | Submitted tender in duplicate | :- | Yes/No. |
| 12. | Agreed to all terms & conditions of the tender specifications | :- | Yes/No. |

Date:

Signature of tenderer with seal

ANNEXURE - III
DECLARATION FORM

To,

The General Manager (Telecom)
Telecom Circle, OPTCL,
Bhubaneswar.

Sub: - Tender Specification No-_____

Sir,

1. Having examined the above specification together with terms & conditions referred to therein * I/We the undersigned hereby offer to supply the materials/equipment covered therein complete in all respects as per the specification and General conditions, at the rates, entered in the attached contract schedule of prices in the Tender.
2. * I/We hereby undertake to have the materials/equipment delivered within the time specified in the Tender.
3. * I/We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
4. * I/We certify to have submitted the bid electronically by remitting *cash/money order/D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter/ money receipt No. Dated,
5. In the event of Tender, being decided in *my/our favor, * I/We agree to furnish the sum as applicable to *me/us within 15 days of issue of Letter of Intent/Purchase Order failing which *I/We clearly understand that the said letter of Intent/Purchase order will be liable to be withdrawn by the purchaser, and the EMD deposited by us shall be forfeited by OPTCL.

Signed this_____ day of _____2025

Yours faithfully

Signature of the Tenderer
with seal of the company

* (Strikeout whichever is not applicable).

ANNEXURE-IV**ABSTRACT OF GENERAL TERMS AND CONDITIONS OF CONTRACT [COMMERCIAL]**

1	(a) OPTCL Money Receipt No. & Date towards purchase of Tender. (b) Earnest money furnished. DD Number.	
2	Deviations to the specification if any [list enclosed or not] (a) Commercial (b) Technical.	Yes/No
3	Delivery (period in months from the date of purchase order).	Yes/No
4	Guarantee:-Whether agreeable to OPTCL's terms.	Yes/No
5	Terms of payment:- Whether agreeable to OPTCL's terms or not	Yes/No
6	Nature of price:- FIRM	Yes/No
7	Penalty:- Whether agreeable to OPTCL's terms or not	Yes/No
8	Validity: - Whether agreeable to OPTCL's terms or not	Yes/No
9	Whether guaranteed technical particulars in complete shape are furnished or not	Yes/No
10	Whether materials are ISI/ISO marked.	Yes/No
11	Manufacturer's name and its trademark.	Yes/No
12	Whether registered under GST	Yes/No
13	Whether declaration form duly filled in furnished or not.	Yes/No

Place: -

Date: -

Signature of the Tenderer
With seal of the company

ANNEXURE-V
DELIVERY SCHEDULE

DELIVERY OF ITEMS UNDER TELECOM DIVISION,BHUBANESWAR

SL. NO.	DESCRIPTION OF MATERIALS	UNIT	QTY	ADDRESS	DELIVERY SCHEDULE
1	4C x 6 Sq. Mm. Copper Flexible Cable	MTR.	365	Office of the Deputy General Manager,Telecommunication Division,SLDC Building,PO-Mancheswar Railway colony,Bhubaneswar-751017	
2	1C x 10 Sq. Mm. Copper Flexible Cable (Black)	MTR.	380		
3	1C x 10 Sq. Mm. Copper Flexible Cable (Red)	MTR.	380		

DELIVERY OF ITEMS UNDER TELECOM DIVISION, BERHAMPUR

SL. NO.	DESCRIPTION OF MATERIALS	UNIT	QTY	ADDRESS	DELIVERY SCHEDULE
1	4C x 6sqmm Copper Flexible Cable	Mtr.	215	O/o DEPUTY GENERAL MANAGER (Telecom,Berhampur At- Duduma Colony,Po- Panigrahipentho,Dist- Gunjam-760006	
2	1C x 16sqmm Copper Flexible Cable (Green)	Mtr.	200		
3	1C x 10sqmm Copper Flexible Cable (Red)	Mtr.	95		
4	1C x 10sqmm Copper Flexible Cable (Black)	Mtr.	95		
5	1C x 16sqmm Copper Flexible Cable (Red)	Mtr.	60		
6	1C x 16sqmm Copper Flexible Cable (Black)	Mtr.	60		
7	1C x 25sqmm Copper Flexible Cable (Red)	Mtr.	62		
8	1C x 25sqmm Copper Flexible Cable (Black)	Mtr.	62		
9	1C x 35sqmm Copper Flexible Cable (Red)	Mtr.	25		
10	1C x 35sqmm Copper Flexible Cable (Black)	Mtr.	25		

DELIVERY OF ITEMS UNDER TELECOM DIVISION, JEYPORE

SL. NO.	DESCRIPTION OF MATERIALS	UNIT	QTY	ADDRESS	DELIVERY SCHEDULE
1	4C x 4sqmm Copper Flexible Cable	Mtr.	100	Office of the Deputy General Manger,Telecomm Division,Jeypore,3 rd floor OPTCL,Building,Power house Chowk,Jeypore,Koraput Pin-764001	
2	4C x 6sqmm Copper Flexible Cable	Mtr.	20		
3	1C x 10sqmm Copper Flexible Cable (Red)	Mtr.	100		
4	1C x 10sqmm Copper Flexible Cable (Black)	Mtr.	100		
5	1C x 16sqmm Copper Flexible Cable (Red)	Mtr.	40		
6	1C x 16sqmm Copper Flexible Cable (Black)	Mtr.	40		
7	1C x 25sqmm Copper Flexible Cable (Red)	Mtr.	100		
8	1C x 25sqmm Copper Flexible Cable (Black)	Mtr.	100		
9	1C x 35sqmm Copper Flexible Cable (Red)	Mtr.	10		
	1C x 35sqmm Copper Flexible Cable (Red) 1C x 16sqmm Copper Flexible Cable (Green)	Mtr Mtr	10 60		

DELIVERY OF ITEMS UNDER TELECOM DIVISION, CUTTACK

SL. NO	DESCRIPTION OF MATERIALS	UNIT	QTY	ADDRESS	DELIVERY SCHEDULE
1	4C x 6sqmm Copper Flexible Cable	Mtr.	40	Office of Deputy General Manger, Telecomm, Cuttack, at-Madhusudan Nagar, Post-Tulasipur Cuttack-753008	
2	1C x 16sqmm Copper Flexible Cable(Green)	Mtr.	120		
3	1C x 10sqmm Copper Flexible Cable (Red)	Mtr.	80		
4	1C x 10sqmm Copper Flexible Cable (Black)	Mtr.	80		
5	1C x 16sqmm Copper Flexible Cable (Red)	Mtr.	20		
6	1C x 16sqmm Copper Flexible Cable (Black)	Mtr.	20		
7	1C x 25sqmm Copper Flexible Cable (Red)	Mtr.	80		
8	1C x 25sqmm Copper Flexible Cable (Black)	Mtr.	80		
9	1C x 35sqmm Copper Flexible Cable (Red)	Mtr.	30		
10	1C x 35sqmm Copper Flexible Cable (Black)	Mtr.	30		
11	4C x 4sqmm Copper Flexible Cable	Mtr	150		

Signature of Tenderer

Name

Designation

and Seal

ANNEXURE-VI

CHART SHOWING PARTICULARS OF EARNEST MONEY DEPOSIT FURNISHABLE BY TENDERERS

1.	Central , State Government Undertakings, MSME	Exempted
2.	All other inside & outside state units.	The amount of EMD as specified in the specification / Tender Notice in shape of bank guarantee /DD.

NB: - REFUND OF E.M.D.

- [a] In case of unsuccessful tenderers, the EMD will be refunded immediately after the tender is decided. In case of successful tenderer, this will be refunded only after completion of the work as above.**

Suits, if any, arising out of EMD shall be filed in a court of law to which the jurisdiction of High Court of ODISHA extends.

- [b] Earnest Money will be forfeited if the tenderer fails to accept the letter of intent/purchase order, issued in his favour or revises the bid price (s) within the validity period of Bid.**

Signature of Tenderer

Name

Designation

and Seal

ANNEXURE-VII

DEVIATION SCHEDULE.

Tenderer shall enter below particulars of his alternative proposal for deviation from the specification, if any.

A) Technical

Sl. No.	Clause No. of Specification.	Particulars of deviations.

Place: -

Date

Signature of Tenderer

Name

Designation

Seal

B) Commercial deviations.

a) Commercial.

Sl. No.	Clause No. of Specification.	Particulars of deviations.

Place: -

Date

Signature of Tenderer

Name

Seal

SECTION – V
TECHNICAL SPECIFICATION

1. SCOPE

This specification covers the testing and performance requirements of power cables for commissioning of Battery & Charger at different Telecom Sections under Telecom Circle, Bhubaneswar.

The power cable shall conform in all respects to highest standards of engineering, design, workmanship, this specification and the latest revisions of relevant standards at the time of offer and the purchaser shall have the power to reject any work or material, which, in his judgment, is not in full accordance therewith.

2. STANDARDS

Except where modified by this specification, the power cable shall be designed, manufactured and tested in accordance with the latest editions of the following standards.

IEC / ISO	Indian Standard	Title
IEC 811	IS-18-10810:1982	Testing cables
IEC 502	IS-7098:1985 (part 2)	LT and 3.3 - 33kVXLPE cables
IEC 502	IS - 1554:1988 (part 1)	PVC Cables .65/1.1kV
IEC 227	IS - 5819 :1970	Short circuit ratings for PVC cables
IEC 228	15-8130:1984	Conductors for insulated cables
IEC 502	IS - 6474: 1984	XLPE Cables
IEC 502		Extruded solid dielectric insulated power cables for rated voltages from 1kV to 30kV
IEC 540	IS - 5831: 1984	Test Methods for insulation and sheaths of electric cables and cords
IEC 287		Calculation of the continuous current rating of cables.
	IS - 3975 : 1979	Mild steel wires, strips and tapes for armoring of cables

The Bidder may propose alternative standards, provided it is demonstrated that they give a degree of quality and performance equivalent to or better than the referenced standards. Acceptability of any alternative standard is at the discretion of the purchaser. The Bidder shall furnish a copy of the alternative standard proposed along with his bid. If the alternative standard is in a language other than English, an English translation shall be submitted with the standard. In the case of conflict the order of precedence shall be 1) IEC or ISO Standards, 2) Indian Standards, 3) other alternative standards.

This list is not to be considered exhaustive and reference to a particular standard or recommendation in this Specification does not relieve the Contractor of the necessity of providing the goods complying with other relevant standards or recommendations. All power cables to be used in this project shall be of the cross-linked polyethylene (XLPE) or polyvinyl chloride (PVC) insulated with PVC sheathing types.

3. 1.1KV POLYVINYL CHLORIDE (PVC) INSULATED CABLES

3.1 RATED VOLTAGE AND TEMPERATURE

The rated voltage of the cable shall be 1.1 kV and the maximum operating voltage shall not exceed 110% of the rated voltage.

These cables are suitable for use where the combination of ambient temperature and temperature rise due to load results in a conductor temperature shall not exceeding 70°C* under normal operation and 160°C under short circuit conditions.

*See 13.2.4 for heat resisting and general purpose applications.

3.2. CABLE DESIGN

3.2.1 ALL LV Power cable shall be of PVC insulation armoured type.

The conductors shall be of Flexibility Class 2 as per IS - 8130: 1984.

3.2.2. Cross-Sectional area of reduced Neutral Conductors:

Nominal cross-sectional area of main conductor (mm ²)	25	35	50	70	95	120	150	185	240	300	400	500	630

3.3. Conductor screening not required

3.4. Insulation

The insulation shall be of Polyvinyl Chloride (PVC) compound. The 'General Purpose' **Type A shall be used for the L V Power cables and 'Heat Resisting' Type C for Control cable. Both shall conform to the requirements of IS - 5831: 1984.**

Type of Insulation	Normal Continuous Operation	Short Circuit Operation
General Purpose	70°C	160°C
Heat Resisting	85°C	160°C

The PVC insulation shall be applied by extrusion and the average thickness of insulation shall not be less than the specified nominal value and the maximum value not more than 0.1mm plus 0.1 of nominal and as specified in **IS - 1554(part 1): 1988**. The insulation shall be applied so that it fits closely on to the conductor and it shall be possible to remove it without damage to the conductor.

3.5. Insulation Screening not required

3.6. Core Identification and Laying Up of Cores

3.5 core cables shall be identified by colouring of the PVC insulation and multi core by numbers as per IS- 1 554 (part 1): 1988

In multi-core cables, the cores shall be laid up together with a suitable lay as recommended in IS - 1554 (Part 1): 1988. The layers shall have successive right and left hand lays with the outermost layer having a right hand lay.

3.7. Inner Sheath

The laid up cores of the 3.5, 4 and multi core cables shall be covered with an inner sheath made of thermoplastic material (PVC) applied by extrusion.

The thickness of the sheath shall conform to IEC 502/IS - 1554: 1988. Single core cables shall have no inner sheath.

3.8. Outer Sheath

An outer sheath of polyvinyl chloride (PVC) shall be applied over the armour wires (where fitted). The sheath shall be embossed at regular intervals as per the Cable Identification clause of this specification and the minimum thickness and properties shall comply with the requirements of IEC 502/IS - 1554: 1988. The outer sheath for cables with general purpose insulation shall be of the type ST1 PVC compound and for cables with heat resisting insulation type ST2 PVC compound conforming to the requirements of IEC 502/IS - 5831: 1984.

The outer serving shall incorporate an effective anti-termite barrier and shall be capable of withstanding a 10kV DC test voltage for five minutes after installation and annually thereafter.

Cables shall be installed as a single four core cable or three single phase cables plus neutral in a close trefoil formation.

Current ratings shall be calculated in accordance with IEC 287 "Calculation of the continuous current rating of cables with 100% load factor".

3.9. Conductor Sizes

4. CABLE IDENTIFICATION

The manufacturer's and Employer's name or trade mark, the voltage grade, cable designation and year of manufacture shall be indented or embossed along the whole length of the cable. The indentation or embossing shall only be done on the outer sheath. The alphanumerical character size shall be not less than 20% of the circumference of the cable and be legible.

The following code shall be used to designate cables:

Constituent	Code Letter
Aluminium conductor	A
XLPE insulation	2X
PVC insulation	Y
Steel round wire armour	W
Non-magnetic round wire armour	Wa
Steel strip armour	F
Non-magnetic strip armour	Fa
Double steel round wire armour	WW
Double steel strip armour	FF
PVC outer sheath	Y

Note: No code letter is required for copper conductor

5. COMPLIANCE WITH SPECIFICATION

The power cables shall comply in all respects with the requirements of this specification. However, any minor departure from the provisions of the specification shall be disclosed at the time of bidding in the Non Compliance Schedule in this document.

6. COMPLIANCE WITH REGULATIONS

All the equipment shall comply in all respects with the Indian Regulations and Acts in force.

The equipment and connections shall be designed and arranged to minimize the risk of fire and any damage which might be caused in the event of fire.

7. PACKING AND SHIPPING

Required type and length of cables as specified in the Division-wise details as attached in Annexure-I following award of contract shall be securely packed for the destined Division Headqtrs and shall be capable of withstanding all normal transportation and handling. Each length of cable shall be durably sealed before shipment to prevent ingress of moisture. The drums, reels or coils shall be lagged or covered with suitable material to provide physical protection for the cable during transit and during storage and handling operations.

Each cable shall preferably carry or be marked with the following information:

- Individual serial number
- Division name
- Manufacturer's Name
- Year of Manufacture
- Cable Size and Type
- Length of Conductor (Meters)

Schedule of Guaranteed Technical Particulars for Power Cable.

(To Furnished by the Bidder)

ITEM NO.	DESCRIPTION	UNITS	BIDDERS OFFER
1	Standard to which the cable conforms	IS-1554/IEC 502	
2	Catalogue Number	-	
3	Conductor Material	-	
4	Conductor strands	Number	
5	Conductor shape	-	
6	Conductor cross sectional area	mm ²	
7	Outer diameter of conductor	mm	
8	Number of Cores	-	
9.	Reduced neutral conductor cross sectional area.	mm ²	
10.	Insulation Material	-	
11.	Minimum thickness of Insulation	mm	
12.	Nominal thickness of Insulation	mm	
13.	Outer diameter of over insulation	mm	
14.	Nominal thickness of inner sheathing	mm	
15.	Sheath Material	-	
16.	Type of armouring.	-	
17.	Number and diameter/size of armour wires/strips. Minimum outer sheath thickness	No./mm	
18.	Nominal outer sheath thickness	Mm	
19.	Overall diameter of Cables	Mm	
20.	Minimum Bending Radius	Mm	
21.	Cable identification	Mm	
22.	Rated Voltage per IEC 502/IS-1554	-	
23.	Conductor DC Resistance per Km at 20 ⁰ C	kV	
24.	Conductor AC resistance per km. at 20 ⁰ C and 50 Hz.	ohm/km	

25.	Maximum continuous rating of cable in the conditions outlined in clause-4: system conditions.	ohm/km	
26.	Minimum insulation resistance per km. at 90° C.		
27.	Maximum permissible continuous conductor temperature.	A	
28.		ohm/km	
		°C	
29.	Maximum permissible continuous outer sheath temperature.	C	
30.	DC test voltage for 15 mins. After installation.	KV	
31.	Delivery length per drum.	M	
32.	Weight of conductor per km.	Kg/km	
33.	Weight of cable per km.	Kg/km	
34.	Gross weight of full cable drum.	Kg	
35.	Outer diameter of cable drum.	Mm	
36.	Width of cable drum.	Mm	
37.	Maximum permissible cable pulling tension.	Kg	
38.	Maximum permissible cable side wall pressure.	Kg	
39.	Manufacturer's name.	-	
40.	Country of origin.	-	