

Southern Electricity Supply Company of Odisha Limited (SOUTHCO)
Registered Office:N1/22, Nayapalli, Bhubaneswar, Orissa-751012
Corporate Office: Courtpeta, Berhampur, Ganjam - 760004

VOLUME- I

**Tender Notification: SOUTHCO/Safety Materials/04/
2014 – 2015**

Due date for Submission of Bids: 18.12.2014

Section – I

INVITATION FOR BIDS (IFB)

Tender Notification: SOUTHCO/Safety Materials/04/

2014 – 2015

SOUTHERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.

- 1.0 The Southern Electricity Supply Company of Odisha Ltd. (SOUTHCO) invites Sealed tenders in **two part bidding system** for supply of following items from reputed manufacturers / authorized dealers (in case manufacturers are not quoting directly) to SOUTHCO. The bidder must qualify in terms of the technical requirements as specified in clause 5.0 stated below. The sealed envelopes shall be duly superscribed as **“TENDER NOTICE No: SOUTHCO/Safety Materials /04 due for opening on dt.18.12.2014”**.

Sl. No.	Item Description	Unit	Qty
1	Rubber mat for 33/11 KV S/S Control Room	No	200
2	Safety Belt	No	300
3	Safety Helmet	No	810
4	Fire Extinguisher		
	i) Dry Chemical Powder type (6.0 Kg.)	No	80
	ii) Carbon Dioxide Type (4.5 Kg.)	No	70
5	Discharge Rod	No	500
6	11 KV Rubber Hand glove (Crown Make)	Pair	800
7	33 KV Rubber Hand glove (Crown Make)	Pair	200

- 2.0 The schedule of specifications with detail terms & conditions can be obtained from address given below against demand draft of Rs. 1000/- plus 5% VAT, drawn in favour of SOUTHCO Ltd., payable at Berhampur. The tender papers will be issued on all working days upto 17.12.2014 .

The tender documents can also be downloaded from the website **“www.southcoodisha.com”**.

In case tender papers are downloaded from the above website, then the bidder has to enclose a demand draft covering the cost of bid documents as stated above in a separate envelope with suitable superscription **“Cost of Bid Documents : Tender Notice Ref : SOUTHCO/Safety Materials/04”**. This envelope should accompany the Bid Documents.

- 3.0 Offers will be received **up-to 1.00 PM. on dt. 18.12.2014** as indicated earlier and will be opened at the address given below at 3.30 PM. on same day in presence of the authorized representatives of the bidders. The schedule of specifications with detail terms & conditions are enclosed. It is the sole responsibility of the bidder to ensure that the bid documents reach this office on or before the cut off due date of tender opening.
- 4.0 SOUTHCO reserves the right to accept / reject any or all Tenders without assigning any reason thereof and alter the quantity of materials mentioned in the Tender documents at the time of placing purchase orders. Tender will be summarily rejected if:

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- (i). Bid security @ 1% (one percent) of the bidding value is not deposited in shape of Bank Draft in favor of SOUTHCO Ltd., payable at Berhampur. Bid security against previous Tenders, if any, will not be adjusted towards Bid security against this Tender.
- (ii). The offer does not contain "FOR, Berhampur price indicating break-up towards all taxes & duties".
- (iii). Complete Technical details are not enclosed.
- (iv). Tender is received after due time due to any reason.

5.0 Qualification Criteria:-

The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding.

- a) Bidder may quote for any one item or for multiple items. However 100 % tender quantity must be quoted for each such item.
- b) Bidder should have supplied at least 50% of the offered quantity during any one financial year out of the past 3 financial years (FY 2011-12 to FY 2013-14) to any electricity supply utilities / PSUs/ Reputed Private Organization/ State Govt. / Central Govt. or their undertaking(s). The bidder should enclose self attested copies of Purchase Orders (all pages) /Performance Certificates from the above users as proof of successful supply /operation in field.

6.0 Project Completion Schedules:

Description	Date
Issue of Tender Document	17.12.2014 Up-to 5.00 PM
Submission of Bids	18.12.2014 up to 1.00 PM
Opening of Bids	18.12.2014 at 3.30 PM
Supply completion	Within 90 days from the date of LOI/PO

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

General Manager (Material Mgt. & Vig.)

SOUTHCO, Berhampur

Courtpeta, Ganjam - 760004

Email : procurementmailbox@rediffmail.com, southcopurchase@gmail.com

SECTION – II

INSTRUCTION TO BIDDERS (ITB)

Tender Notification: SOUTHCO/Safety Materials/04/

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A. GENERAL

1.0 Southern Electricity Supply Company of Odisha Ltd. (SOUTHCO), hereinafter referred to as the “Purchaser” is desirous to procure various safety materials for use of field workers. The Purchaser has now floated this tender for procurement of various items as notified earlier in this bid document.

2.0 SCOPE OF WORK

The scope shall include Design, Manufacture, Shop Testing at works conforming to the Technical Specifications enclosed herewith along with Packing, Forwarding, Freight and Insurance and Unloading and proper stacking at Purchaser’s stores.

3.0 DISCLAIMER

3.01 This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder/Bidding Consortium should conduct its own estimation and analysis and should check the accuracy, reliability and completeness of the information in this Document and obtain independent advice from appropriate sources in their own interest.

3.02 Neither Purchaser nor its employees will have any liability whatsoever to any Bidder or any other person under the law or contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage whatsoever which may arise from or be incurred or suffered in connection with anything contained in this Document, any matter deemed to form part of this Document, provision of Services and any other information supplied by or on behalf of Purchaser or its employees, or otherwise arising in any way from the selection process for the Supply.

3.03 Though adequate care has been taken while issuing the Bid document, the Bidder should satisfy itself that documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

3.04 This Document and the information contained herein are Strictly Confidential and are for the use of only the person(s) to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient’s professional advisors).

4.0 COST OF BIDDING

The Bidder shall bear all costs associated with the preparation and submission of its Bid and Purchaser will in no case be responsible or liable for those costs.

B. BIDDING DOCUMENTS

5.0 BIDDING DOCUMENTS

5.01 The Scope of Work, Bidding Procedures and Contract Terms are described in the Bidding Documents. In addition to the covering letter accompanying Bidding Documents, the Bidding Documents include:

Volume - I

- (a) Invitation for Bids (IFB) - Section - I
- (b) Instructions to Bidders (ITB) - Section - II
- (c) General Conditions of Contract (GCC) - Section – III
- (d) Technical Specifications (TS) - Section - IV

Volume - II

- (a) Bid Form - Annexure – I
- (b) BG Formats - Annexure – II
- (c) Price Schedule - Annexure – III

5.02 The Bidder is expected to examine the Bidding Documents, including all Instructions, Forms, Terms and Specifications. Failure to furnish all information required by the Bidding Documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect will may result in the rejection of the Bid.

6.0 AMENDMENT OF BIDDING DOCUMENTS

6.01 At any time prior to the deadline for submission of Bids, the Purchaser may, for any reasons, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by Amendment.

6.02 The Amendment shall be part of the Bidding Documents, pursuant to Clause 5.01, and it will be notified in writing by Fax/e-mail to all the Bidders who have received the Bidding Documents and confirmed their participation to Bid, and will be binding on them.

6.03 In order to afford prospective Bidders reasonable time in which to take the Amendment into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of Bids.

C. PREPARATION OF BIDS

7.0 LANGUAGE OF BID

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the English Language. Any printed literature furnished by the Bidder may be written in another Language, provided that this literature is accompanied by an English translation, in which case, for purposes of interpretation of the Bid, the English translation shall govern.

8.0 DOCUMENTS COMPRISING THE BID

The Bid prepared and submitted by the Bidder shall comprise the following components:

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- (a) Bid Form, Price & other Schedules (STRICTLY AS PER FORMAT) and Technical Data Sheets completed in accordance with Clause 9.0, 10.0, 11.0 and Technical Specification;
- (b) All the Bids must be accompanied with the required bid security as mentioned in the Section-I of this tender.
- (c) Power of Attorney indicating that the person(s) signing the Bid have the authority to sign the Bid and thus that the Bid is binding upon the Bidder during the full period of its validity, in accordance with clause 12.0.

9.0 BID FORM

9.01 The Bidder shall complete an 'Original' and another one 'Copy' of the Bid Form and the appropriate Price & Other Schedules and Technical Data Sheets furnished in the Volume-II of the Bidding Documents.

9.02 Bid Security

Pursuant to Clause 8.0 (b) above, the bidder shall furnish, as part of its bid, a bid security amounting to **1% of the total bid value (FOR Destination)** as already specified in the Section-I. The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture.

The bid security shall be denominated in the currency of the bid, and shall be in the following form:

- (a) Bank Draft in favour of SOUTHCO, payable at Berhampur.

Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity.

The successful bidder's bid security will be discharged upon furnishing the Composite performance Bank Guarantee.

The bid security may be forfeited:

- (a) if the Bidder:
 - i) withdraws its bid during the period of bid validity specified in the tender.
- (b) in the case of a successful Bidder, if the Bidder fails:
 - (i) to accept the order within the stipulated period mentioned in the order, or
 - (ii) to furnish the required Composite performance Bank Guarantee within the stipulated period.

10.0 BID PRICES

- 10.01 Bidders shall quote for the entire Scope of Supply with a break-up of prices for individual items. The total Bid Price shall also cover all the Supplier's obligations mentioned in or reasonably to be inferred from the Bidding Documents in respect of Design, Supply, Transportation to site, all in accordance with the requirement of Bidding Documents. The Bidder shall complete the appropriate Price Schedules included herein, stating the Unit Price for each item & total Price.
- 10.02 The prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during execution of the supply work, break up of price constituents, should be there.
- 10.03 Prices quoted by the Bidder shall be "Firm" and not subject to any price adjustment during the performance of the Contract. A Bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

11.0 BID CURRENCIES

Prices shall be quoted in Indian Rupees Only.

12.0 PERIOD OF VALIDITY OF BIDS

- 12.01 Bids shall remain valid for **180** days from the date of opening of the Bid.
- 12.02 Notwithstanding Clause 12.01 above, the Purchaser may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and the responses thereto shall be made in writing by Fax/e-mail.

13.0 ALTERNATIVE BIDS

Bidders shall submit Bids, which comply with the Bidding Documents. **Alternative Bids will not be considered.**

14.0 FORMAT AND SIGNING OF BID

- 14.01 The original Bid Form and accompanying documents (as specified in Clause 9.0), clearly marked "Original Bid", plus one copy must be received by the Purchaser at the date, time and place specified pursuant to Clauses 15.0 and 16.0. In the event of any discrepancy between the original and the copies, the original shall govern.
- 14.02 The original and copy of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. Such authorization shall be indicated by written Power-of-Attorney accompanying the Bid.
- 14.03 The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the Bid.

D. SUBMISSION OF BIDS

15.0 SEALING AND MARKING OF BIDS

- 15.01 Bid submission: One original & one Copy (hard copies) of all the Bid Documents shall be sealed and submitted to the Purchaser before the closing time for submission of the bid.
- 15.02 The Technical Documents and the Bid Security shall be enclosed in a sealed envelope and the said envelope shall be superscribed with "Technical & Bid Security". The price bid shall be inside another sealed envelope with superscription "Price Bid". Both these envelopes shall be sealed inside another big envelope. All the envelopes should bear the Name and Address of the Bidder and marking for the Original and Copy. The envelopes should be super-scribed with "Tender Notice No. & Due date of opening".
- 15.03 The Bidder has the option of sending the Bids in person. **Bids submitted by Telex/Telegram/Fax will not be accepted.** No request from any Bidder to the Purchaser to collect the proposals from Airlines/Cargo Agents etc shall be entertained by the Purchaser.

16.0 DEADLINE FOR SUBMISSION OF BIDS

- 16.01 The original Bid, together with the required copies, must be received by the Purchaser at the address specified no later than **1.00 PM. on 18.12.2014.**
- 16.02 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 9.0, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

17.0 ONE BID PER BIDDER

Each Bidder shall submit only one Bid. A Bidder who submits more than one Bid for the same material will cause all those Bids to be rejected.

18.0 LATE BIDS

Any Bid received by the Purchaser after the deadline for submission of Bids prescribed by the Purchaser, pursuant to Clause 16.0, will be declared "Late" and rejected and returned unopened to the Bidder.

19.0 MODIFICATIONS AND WITHDRAWAL OF BIDS

- 19.01 The Bidder is not allowed to modify or withdraw its Bid after the Bid's submission.

E EVALUATION OF BID

20.0 PROCESS TO BE CONFIDENTIAL

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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 Purchaser's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

21.0 CLARIFICATION OF BIDS

To assist in the examination, evaluation and comparison of Bids, the Purchaser 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.

22.0 PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS

- 22.01 Purchaser 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.
- 22.02 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price (landing Cost) and the total price per item that is obtained by multiplying the unit price (landing Cost) and quantity, the unit price (landing Cost) 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.
- 22.03 Prior to the detailed evaluation, Purchaser 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.
- 22.04 A Bid determined as not substantially responsive will be rejected by the Purchaser and / or the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

23.0 EVALUATION AND COMPARISON OF BIDS

- 23.01 The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 23.02 The evaluation of the Bids shall be a stage-wise procedure. The following stages are identified for evaluation purposes:

In the first stage, the Bids would be subjected to a responsiveness check. The Technical Proposals and the Conditional ties of the Bidders would be evaluated.

Subsequently, the Financial Proposals along with Supplementary Financial Proposals, if any, of Bidders with Techno-commercially Acceptable Bids shall be considered for final evaluation.

23.03 The Purchaser'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:

(a) Supply Schedule

(b) Deviations from Bidding Documents

Bidders shall base their Bid price on the terms and conditions specified in the Bidding Documents.

The cost of all quantifiable deviations and omissions from the specification, terms and conditions specified in Bidding Documents shall be evaluated. The Purchaser will make its own assessment of the cost of any deviation for the purpose of ensuring fair comparison of Bids.

23.04 Any adjustments in price, which result from the above procedures, shall be added for the purposes of comparative evaluation only to arrive at an "Evaluated Bid Price". Bid Prices quoted by Bidders shall remain unaltered.

F. AWARD OF CONTRACT

24.0 CONTACTING THE PURCHASER

24.01 From the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Purchaser on any matter related to the Bid, it should do so in writing.

24.02 Any effort by a Bidder to influence the Purchaser and / or in the Purchaser's decisions in respect of Bid evaluation, Bid comparison or Contract Award, will result in the rejection of the Bidder's Bid.

25.0 THE PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

The Purchaser reserves the right to accept or reject any Bid and to annul the Bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

26.0 AWARD OF CONTRACT

The Purchaser will award the Contract to the successful Bidder whose Bid has been determined to be the lowest - evaluated responsive Bid, provided further that the Bidder has been determined to be qualified to satisfactorily perform the Contract. Purchaser reserves the right to award order other bidders in the tender, provided it is required for timely supply of material & provided he agrees to come to the lowest rate.

27.0 THE PURCHASER'S RIGHT TO VARY QUANTITIES

The Purchaser reserves the right to vary the quantity i.e. increase or decrease the numbers/ quantities without any change in unit price, terms and conditions during the execution of the Order.

28.0 LETTER OF INTENT/ NOTIFICATION OF AWARD

The letter of intent / Notification of Award shall be issued to the successful Bidder whose bids have been considered responsive, techno-commercially acceptable and evaluated to be the lowest (L1). The successful Bidder shall be required to furnish a letter of acceptance within 7 days of issue of the letter of intent /Notification of Award by Purchaser.

29.0 CORRUPT OR FRAUDULENT PRACTICES

29.01 The Purchaser requires that the Bidders observe the highest standard of ethics during the procurement and execution of the Project. In pursuance of this policy, the Purchaser:

(a) Defines, for the purposes of this provision, the terms set forth below as follows:

- (i) "Corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
- (ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

(b) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded an contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, an contract.

29.02 Furthermore, Bidders shall be aware of the provision stated in the General Conditions of Contract.

SECTION - III

(GENERAL CONDITION OF CONTRACT)

Tender Notification: SOUTHCO/Safety Materials/04/

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GENERAL CONDITION OF CONTRACT (GCC)

1.0 General Instructions

- 1.01 All the Bids shall be prepared and submitted in accordance with these instructions.
- 1.02 Bidder shall bear all costs associated with the preparation and delivery of its Bid, and the Purchaser will in no case shall be responsible or liable for these costs.
- 1.03 The Bid should be submitted by the Bidder in whose name the bid document has been issued and under no circumstances it shall be transferred /sold to any other party.
- 1.04 The Purchaser reserves the right to request for any additional information and also reserves the right to reject the proposal of any Bidder, if in the opinion of the Purchaser, the data in support of Tender requirement is incomplete.
- 1.05 The Bidder is expected to examine all instructions, forms, terms & conditions and specifications in the Bid Documents. Failure to furnish all information required in the Bid Documents or submission of a Bid not substantially responsive to the Bid Documents in every respect may result in rejection of the Bid. However, the Purchaser's decision in regard to the responsiveness and rejection of bids shall be final and binding without any obligation, financial or otherwise, on the Purchaser.

2.0 Definition of Terms

- 2.01 "Purchaser" shall mean SOUTHCO.
- 2.02 "Bidder" shall mean the firm who quotes against this bid document issued by the Purchaser. "Contractor" or "Seller" shall mean the successful Bidder and/or Bidders whose bid has been accepted by the Purchaser and on whom the "Letter of intent" is placed by the Purchaser and shall include his heirs, legal representatives, successors and permitted assigns wherever the context so admits.
- 2.03 "Site" shall mean the Electricity Distribution Area of the Company.
- 2.04 "Specification" shall mean collectively all the terms and stipulations contained in those portions of this bid document known as Instruction to Bidder, Bid form and other forms as per Volume - III, General Conditions of Contract, Specifications and the Amendments, Revisions, Deletions or Additions, as may be made by the Purchaser from time to time.
- 2.05 "Letter of Intent" shall mean the official notice issued by the Purchaser notifying the Contractor that his proposal has been accepted and it shall include amendments thereto, if any, issued by the Purchaser. The "Letter of Intent" issued by the Purchaser shall be binding on the "Contractor". The date of Letter of Intent shall be taken as the effective date of the commencement of contract.

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- 2.06 "Purchase Order" shall mean the Purchase Order and amendments thereof and the drawings, specifications and other documents / papers referred to therein which shall constitute the "Contract".
- 2.07 "Month" shall mean the calendar month and "Day" shall mean the calendar day.
- 2.08 "Codes and Standards" shall mean all the applicable codes and standards as indicated in the Technical Specification.
- 2.09 "Offer Sheet" shall mean Bidder's firm offer submitted to Purchaser in accordance with the specification.
- 2.10 "Contract" shall mean THE "letter of Intent" issued by the Purchaser.
- 2.11 "Contract Price" shall mean the price referred to in the "Letter of intent".
- 2.12 "Contract Period" shall mean the period during which the "Contract" shall be executed as agreed between the Contractor and the Purchaser in the Contract inclusive of extended contract period for reasons beyond the control of the Contractor and/or Purchaser due to force majeure.
- 2.13 "Goods" shall mean all items to be supplied under Purchase Order whether raw materials, processes materials, equipment, fabricated products, drawings or other documents as applicable.
- 2.14 "Store" shall mean the Purchaser store as defined elsewhere in this tender document.

3.0 Contract Documents & Priority

- 3.01 Contract Documents: The Specification, terms and conditions of the contract shall consist solely of these Tender conditions and offer sheet.
- 3.02 Priority: Should there be any discrepancy between any term hereof and any term of the Offer Sheet, the terms of these tender document shall prevail.

4.0 Scope of Work

- 4.01 The "Scope of Work" shall be on the basis of Bidder's responsibility, completely covering the obligations, responsibility and workmanship, provided in this Bid Enquiry whether implicit or explicit.
- 4.02 The Purchaser reserves the right to vary the quantity i.e increase or decrease, which shall be communicated to successful bidder during order execution.
- 4.03 All relevant drawings, data and instruction manuals and other necessary inputs shall be under the scope of contract.

5.0 General Requirements

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- 5.01 The contractor shall supply, deliver best quality goods.
- 5.02 The company also reserves the right to add from the scope of work or delete from the scope of work so assigned to the Supplier, if the circumstances so warrant.
- 5.03 The contractor shall be responsible for loading and unloading of all materials with proper material handling equipment.

6.0 Quality Assurance and Inspection

- 6.01 Immediately on award of contract, the bidder shall prepare detailed quality assurance plan / test procedure identifying the various stages of manufacture, quality checks performed at each stage, raw material inspection and the Customer hold points. The document shall also furnish details of method of checking, inspection and acceptance standards / values and get the approval of Purchaser before proceeding with manufacturing. However, Purchaser shall have the right to review the inspection reports, quality checks and results of contractors in house inspection department which are not Customer hold points and the contractor shall comply with the remarks made by purchaser or his representative on such reviews with regards to further testing, rectification or rejection, etc.
- 6.02 Witness and Hold points are critical steps in manufacturing, inspection and testing where the contractor is obliged to notify the Purchaser in advance so that it may be witnessed by the Purchaser. Final inspection is a mandatory hold point. The contractor has to proceed with the work past a hold point only after clearance by purchaser or a witness waiver letter from Purchaser.
- 6.03 The performance of waiver of QA activity by Purchaser at any stage of manufacturing does not relieve the contractor of any obligation to perform in accordance with and meet all the requirements of the procurement documents and also all the codes & reference documents mentioned in the procurement document nor shall it preclude subsequent rejection by the purchaser.
- 6.04 On completion of manufacturing the items can be dispatched only after issue of shipping release by the Purchaser.
- 6.05 All testing and inspection shall be done without any extra cost.
- 6.06 **Purchaser reserves the right to send any material out of the supply to any recognized laboratory for testing at the cost of the seller. In case the material is found not in order with the technical requirement / specification, the goods in the lot shall be rejected along with any other penalty which may be levied is to be borne by the bidder. To avoid any conflict the Seller is advised to send his representative to the stores to see that the material sent for testing is being sealed in the presence of bidder's representative.**

7.0 Packing, Packing List & Marking

- 7.01 **Packing:** Seller shall pack or shall cause to be packed all Commodities in such a manner as shall be reasonably suitable for shipment by road or rail to Odisha Distribution Companies without any risk of damage in transit. The packing shall be sufficient to withstand, without

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limitation, rough_handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.

7.02 **Packing List:** One copy of the packing list shall be enclosed in each package delivered. There shall also be enclosed in one package a master packing list identifying each individual package, which is part of the shipment. On any packaging where it is not feasible to place the packing list inside the container, all pertinent information shall be stenciled on the outside and will thus constitute a packing list.

7.03 **Marking:** Seller shall mark each container, box or package for easy identification of his materials as follows:

Commodity Name:
Name of the Supplier:
Net Weight:
Size:

8.0 Price Basis

8.01 Bidders shall quote individual price breakup for the quoted items.

The price shall be inclusive of all taxes, Duties and other Levies of whatsoever nature, transportation to site and vice versa and in-transit Insurances.

The above Prices shall also include unloading and proper stacking at/ from Purchaser Stores to site / stores.

10.0 Terms of Payment

The Payment shall be made as under:

- a) 100% Payment with taxes & duties on Prorata basis within 30 days of receipt of goods in our specified stores in good condition subject to detailed verification thereof and approval of guarantee & test certificate.
- b) For claiming 100% payment, a Composite Performance Bank Guarantee of 10% value of the value of the goods, is to be provided which shall remain valid for a period beyond 90 days from the warranty period as per clause no. 12.0.
- c) All Payments shall be made after certification from Purchaser's Engineer In charge. All Payments are subject to receipt of correct Documents.

11.0 Price Validity

All bids submitted shall remain valid, firm and subject to unconditional acceptance by Purchaser for **180 days** post bid opening date. For awarded Contract, the prices shall remain valid and firm till contract completion.

12.0 Warranty / Guarantee

12.01 The bidder shall guarantee for the equipments/workmanship for a minimum period of 24 months from the date of commissioning or 30 months from the date of last receipt goods at stores, whichever is earlier. The manufacturer shall guarantee to replace or repair to the satisfaction of the purchaser the defective parts at site free of cost within the above period. If, the manufacturer fails to do so within 30 days time, the purchaser reserves the right to effect repair or replacement and recover such charges for repair or replacement from the contractor. Contractor shall submit a Composite performance Guarantee of 10% of the order value valid for a period of 90 days beyond the expiry of the warranty period.

12.02 If during the defect liability period any services performed found to be defective, these shall be promptly rectified (within 30 days of intimation by the purchaser) by contractor at its own cost (including the cost of dismantling and reinstallation) on the instruction of Purchaser.

13.0 Composite Performance Bank Guarantee

13.01 Within 15 days of the receipt of Letter of Award / Purchase Order from the Purchaser, the successful Bidder shall furnish the Performance Security in the form of Bank Guarantee executed on non-judicial stamp paper worth Rs.100/- (Rupees One hundred only) issued by any Scheduled Bank in favour of the Purchaser encashable at Berhampur only for an amount of 10% (ten percent) of the Contract Price in the format provided in Section –V of Bidding Documents. The Bank Guarantee shall be valid for a period not less than 90 days over and above the guarantee period as per clause no. 12.01.

13.02 The Performance Bank Guarantee established under Clause 13.01 shall be forfeited without recourse to the seller and payable against the presentation by Purchaser to the bank with a claim that the seller has failed to comply with any term or condition set forth in the Contract.

13.03 The Performance Bank Guarantee established under will be automatically and unconditionally forfeited without recourse if Purchaser in its sole discretion determines that Seller has failed to comply with any Terms or Condition set forth in the contract.

13.04 The Performance Bank Guarantees will be released without interest within thirty (30) days from the last date up to which the Performance Bank Guarantee has to be kept valid (as defined in Clause 13.01).

14.0 Technical information / data.

The company and the contractor, to the extent of their respective rights permitting to do so, shall exchange such technical information and data as is reasonably required by each party to perform its obligations and responsibilities. The company and the contractor agree to keep each other in confidence and to use the same degree of care as it uses with respect to its own proprietary data to prevent its disclosure to third parties of all technical and confidential information. The technical information, drawings, records and other document shall not be copied, transferred, traced or divulged and / or disclosed to third party in full / part not misused in any other form. This technical information, drawing etc. shall be returned to the company with all approved copies and duplicates. In the event of any breach of this contract,

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the contractor shall indemnify the company against any loss, cost of damages or claim by any party in respect of such breach

15.0 Effective Date of Commencement of Contract:

The date of the issue of the Letter of Award (LOA) or Purchase order (whichever is earlier) shall be treated as the effective date of the commencement of contract.

16.0 Taxes & Duties:

All taxes, duties, levies of whatsoever nature, entry tax, octroi, turnover tax, service tax, income tax, work contract tax etc., levied by State or Central Governments or local bodies shall be to the contractor's account including any taxes, duties and levies which may be levied fresh by the Governments during currency of the Contract. The contractor shall furnish their Excise/Sales Tax registration number, PAN No. etc. in the bid documents as well as Invoice/Challans etc.

17.0 Time – The Essence of Contract

The time and the date of completion of the “Supply” as stipulated in the Letter Of Intent / Purchase order issued to the Contractor shall be deemed to be the essence of the “Contract”. The Supply has to be completed not later than the aforesaid Schedule and date of completion of supply.

18.0 Liquidated Damages (LD)

18.01 If supply of items / equipments is delayed beyond the supply schedule as stipulated in purchase order/LOI, then the Contractor shall be liable to pay to the Purchaser as LD for such delay, a sum of 0.5 % of the contract price for every week delay or part thereof. The LD shall be computed on the undelivered value of goods as per the delivery schedule. For computation of delay, the date of receipt of material at store shall be treated as date of supply by the contractor.

18.02 The total amount of LD for delay under the contract will be subject to a maximum of five percent (5 %) of the contract price

18.03 The Purchaser may, without prejudice to any method of recovery, deduct the amount for such damages from any amount due or which may become due to the Contractor or from the Performance Bank Guarantee or file a claim against the contractor.

19.0 The Laws and Jurisdiction of Contract:

19.01 The laws applicable to this Contract shall be the Laws in force in India.

19.02 All disputes arising in connection with the present Contract shall be settled amicably by mutual consultation failing which shall be finally settled as per the rules of Arbitration and Conciliation Act, 1996 at the discretion of Purchaser. The jurisdiction of arbitration shall be at Berhampur, Odisha, India.

20.0 Events of Default

20.01 Each of the following events or occurrences shall constitute an event of default ("Event of Default") under the Contract:

- (a) Seller fails or refuses to pay any amounts due under the Contract;
- (b) Seller fails or refuses to deliver Commodities conforming to this Bid document / specifications, or fails to deliver Commodities within the period specified in P.O. or any extension thereof
- (c) Seller becomes insolvent or unable to pay its debts when due, or commits any act of bankruptcy, such as filing any petition in any bankruptcy, winding-up or reorganization proceeding, or acknowledges in writing its insolvency or inability to pay its debts; or the Seller's creditors file any petition relating to bankruptcy of Seller;
- (d) Seller otherwise fails or refuses to perform or observe any term or condition of the Contract and such failure is not remediable or, if remediable, continues for a period of 30 days after receipt by the Seller of notice of such failure from Purchaser.

21.0 Consequences of Default.

- (a) If an Event of Default shall occur and be continuing, Purchaser may forthwith terminate the Contract by written notice.
- (b) In the event of an Event of Default, Purchaser may, without prejudice to any other right granted to it by law, or the Contract, take any or all of the following actions;
 - (i) present for payment, to the relevant bank the Performance Bank Guarantee;
 - (ii) purchase the same or similar Commodities from any third party; and/or
 - (iii) recover any losses and/or additional expenses Purchaser may incur as a result of Seller's default.

22.0 Force Majeure

22.01 The term "Force Majeure" as employed herein include, but are not limited to, acts of God or force of nature, landslide, earthquake, flood, fire, lightning, explosion, major storm (hurricane, typhoon, cyclone etc.) or major storm warning, tidal wave, shipwreck and perils of navigation, act of war (declared or undeclared) or public enemy, strike (excluding employee strikes, lockouts or other industrial disputes or action solely among employee of Contractor or its subcontractors) act or omission of sovereign states or those purporting to represent sovereign states, blockade, embargo, quarantine, public disorder, sabotage, accident or similar events beyond the control of the parties or either of them.

Force Majeure shall not include occurrences as follows:

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- (a) Late delivery of materials caused by congestion at Seller's facilities or elsewhere, an oversold condition of the market, inefficiencies, or similar occurrences.
- (b) Late performance by Seller and/or Sub-Seller caused by unavailability of raw materials, supervisors or labour, inefficiencies or similar occurrences.
- (c) Mechanical breakdown of any item of Seller's or its Sub-Seller's equipment, plant or machinery.
- (d) Delays due to ordinary storm or inclement weather or
- (e) Non-conformance by Sub-Seller.

Unless the delay arises out of a Force Majeure occurrence and is beyond both Seller's and Sub-Seller's or Seller's control and an alternate acceptable source of services, equipment or material is unavailable. Additionally, Force Majeure shall not include financial distress of Seller or any Sub-Seller.

- 22.02 In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the Contract, the relative obligation of the party affected by such Force Majeure shall be suspended for the period during which such cause lasts. Time for performance of the relative obligation suspended by Force Majeure shall then stand extended by the period for which cause lasts.
- 22.03 Upon the occurrence of any Force Majeure event, the party so affected in the discharge of its obligation shall promptly, but no later than seven (7) days give written notice of such event to the other party. The affected party shall make every reasonable effort to remove or remedy the cause of such Force Majeure or mitigate its effect as quickly as possible. If such occurrence results in the suspension of all or part of the Work for a continuous period of more than, the parties shall meet and determine the measures to be taken.
- 22.04 Any delay or failure in performance by either party hereto shall not give rise to any claims for damages or loss of anticipated profits it, and to the extent, such delay or failure is caused by Force Majeure.

23.0 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 Purchaser.

24.0 Third party insurance

Contractor shall take the Insurance of Equipment during Transit. Any Claim pertaining to this shall be the responsibility of the Contractor.

25.0 Recoveries

When ever under this contract any money is recoverable from and payable by the bidder, the purchaser shall be entitled to recover such sum by appropriating in part or in whole by detecting any sum due to which any time thereafter may become due from the Seller in this

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or any other contract. If the sum be not sufficient to cover the full amount recoverable the bidder shall pay to the purchaser on demand the remaining balance.

26.0 Waiver

Failure to enforce any condition herein contained shall not operate as a waiver of the condition itself or any subsequent breach thereof.

27.0 Indemnification

- 27.01 Notwithstanding contrary to anything contained in this Tender, Contractor shall at his costs and risks make good any loss or damage to the property of the Purchaser and/or the other Contractor engaged by the Purchaser and/or the employees of the Purchaser and/or employees of the other Contractor engaged by the Purchaser whatsoever arising out of the negligence of the Contractor while performing the obligations under this contract.
- 27.02 Subject to this Clause 23.0 Purchaser shall, at its sole cost and expense, defend, indemnify and hold harmless Contractor and his assignees /or the employees of the Contractor whatsoever arising out of the negligence or willful act or omission or from the default of the Purchaser in the performance of the Contractor.

SECTION - IV

(TECHNICAL SPECIFICATIONS & GTP FORMATS)

**Tender Notification: SOUTHCO/Safety Materials/04/
2014 – 2015**

TECHNICAL SPECIFICATION OF RUBBER MAT

1. INSULATING RUBBER MATS FOR ELECTRICAL PURPOSE CONFIRMING TO IS 15652:2006 SUITABLE FOR 33KV VOLTAGE PROOF.
2. DIMENSION OF EACH PIECE SHALL BE LENGTH=2M, WIDTH=1M, THICKNESS=3MM, COLORS: RED.
3. RUBBER MATS SHALL BE RESISTANCE TO ACID & OIL.
4. ALL RUBBER MAT SHALL BE IDENTIFIED BY RESPECTIVE CLASS.
5. RUBBER MATS SHALL BE MADE FROM THE MATERIAL –ELASTOMER, FREE FROM ANY INSERTIONS LEADING TO DETORINATION OF INSULATING PROPERTIES.
6. UPPER SURFACE OF RUBBER MAT SHALL HAVE SMALL ABERRATION TO AVOID SLIPPERY EFFECTS WHILE THE LOWER SURFACE SHALL BE PLANE OR COULD BE FINISHED SLIP RESISTANCE WITHOUT AFFECTING ADVERSELY THE DIELECTRIC PROPERTY OF THE MAT.
7. MARKING: EVERY MAT SHALL BE MARKED WITH CLASS, LOT NO, ROLL NO/SHEET NO, MANUFACTURER’S IDENTITY.
8. BIS MARKING: THE PRODUCT SHALL ALSO HAVE APPLICABLE IS MARKING.
9. TESTING: ALL THE MATS SHALL BE TESTED AS PER IS 15652:2006. TEST CERTIFICATE SHALL BE SENT ALONG WITH THE MATERIAL. THE TESTING LAB SHALL BE ACCREDITED BY GOVT OF INDIA/NABAL

NOTE: SAMPLE CUT PIECE OF 10cm x 10cm & GTP IS TO BE SUBMITTED ALONG WITH THE BID.

TECHNICAL SPECIFICATION OF LINEMAN SAFETY BELTS

1 SCOPE

This specification covers the manufacture, testing before dispatch and delivery at our stores of safety belts.

2 SCHEDULE OF TECHNICAL SPECIFICATION

Safety belts shall be manufactured and tested in accordance with the following specification/standard.

(A) REQUIREMENT

The lineman's safety belt shall strictly conform to the requirement of class P of IS: 3521/1999 with latest amendments. This belt shall consist of shoulder straps, thigh straps and a waist belt, the waist belt should have two lateral D-rings attached at both sides for the provision of life line to be attached for provision of the user at the pole. The belt shall be made from nylon /polyester or other synthetic material which shall not break with a minimum tensile load of 2000 KG (=19.6 KN).

Marking shall be as per IS with addition of word "SOUTHCO".

(B) MATERIAL

i) Webbing

The belt and harnesses shall be made from nylon or other synthetic material, such as polyester. The material of belt shall have a uniform thickness and uniform width. The waist belt, shoulder straps, thigh straps, Pole straps and the safety belt and harness shall be made from nylon/polyester webbing which shall not break under a minimum tensile load of 2000KG(19.6 KN). The test specimen shall be of entire cross section whose minimum width and thickness should be 40 mm and 3 mm respectively.

ii) Lanyard.

The lanyard shall not break under a minimum tensile load of 2000 Kg.(19.6 KN). The minimum diameter of test specimen should be 12 mm.

ii) Threads for sewing.

Threading (nylon/polyester) for sewing load bearing components shall have similar physical and chemical properties to the materials being sewn. The perfect stitching shall be done for jointing various sections so that it can bear the load as per Indian Standards.

iii) Stitching

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All joints of safety belts shall be stitched perfectly with standard thread so that the safety belt may bear the load as per IS specification.

iv) **Life line/safety line**

Only nylon or polyester or synthetic fibre shall be used. It shall not break under a minimum tensile load of 2000 KG (19.6 KN).

v) **Metal components**

All metal components shall be solid or forged in such a manner that the joints are not visible and the jointed part of the metal does not impair the strength or quality. The surface shall be smooth finish and free from any manufacturing defect, burrs or uneven surface. In order to protect all metal fittings against corrosion and /or other chemical reaction, it is necessary that all the fittings should be chromium plated or any other protective coating and the coating of the chromium shall be as per IS specification to provide use /store of the safety belt for a minimum period of 3 years. Care should also be taken that the part of metal fittings mating with the webbing shall be smoothly finish, rounded and designed to prevent damage to the webbing etc.

vi) **Hooks**

Hooks, clamps or other fastenings and holding devices shall be of similar quality and properly treated or plated. The design of the hooks shall be self closing type and care shall be taken to ensure that if pressure is exerted accidentally on the tongue or latch, they shall not disengage.

vii) **Springs**

If any springs are used, then they shall be so arranged and loaded that when the hooks are closed, the springs rest in position and are free from any movement until pressure is applied to release or to engage.

(C) **TESTS**

i) **Strength**

Hooks and main load bearing metal parts and fittings shall not break under the test load of 2000KG (19.6KN). The load shall be applied as closely as practicable in a manner in which the component is stress in service.

ii) **For all safety belts**

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Aluminum, magnesium or titanium metals or alloys thereof shall not be used. All the material used in the production of safety belts including webbing and rope shall pass the flammability resistance test as given in Annexure-A of IS-3521(1999).

iii) **Performance tests:**

The attachment of metal parts and load bearing components and the making of splices and joints shall be such that finished assembly shall pass the performance test as given in Annexure-B of ISS. (Note: The complete assembled safety belts, when subjected to performance test, shall be destroyed to avoid its reuse.)

3 SAMPLES

The bidder shall deposit 1 No. sample of tendered item, along with dimensional drawing indicating all dimensions and weight along with Bid. The sample shall be checked thereafter for visual examination and checking /verification of dimensions, weight etc. as per specification / GTP / Drawing.

GUARANTEED TECHNICAL PARTICULARS FOR SAFETY BELTS

Sl. No.	PARTICULARS	Bidders' Offer
1.	Name and address of manufacturer.	
2.	Work"s Address.	
3.	Safety belt consist of	
4.	Safety belt type	
5.	Size of body belt a) Length b) Cross sectional	
6.	Fasting buckles provided for adjustment of body belt, shoulder strap & thigh strap belt	
7.	Length of shoulder strap & thigh strap belt adjustment	
8.	Thread for stitching made of	
9.	Freely mousing buckles provided	
10.	Material of belt	
11.	At which min. tensile head synthetic material will not break.	
12.	Safety belts confirms to	
13.	Marking	
14.	ISI mark	
15.	Material of rope lanyard	
16.	Dia of rope lanyard	
17.	Length of rope lanyard	

TECHNICAL SPECIFICATION OF SAFETY HELMET

1 **SCOPE:**

This specification covers the manufacturing, requirement regarding material construction, workmanship, finish and performance requirement with testing before dispatch and delivery at our stores of safety helmets to provide protection against head injuries which may be caused by falling objects and other hazards encountered during working on electrical transmission, distribution lines and switchyards.

2 **STANDARDS:**

The safety helmets shall be ISI marked and shall meet the requirement of following standards.

- i) IS-2925:1984 (with latest amendments).
- ii) Director General Mines & Safety (DGMS) approved.

3 **SCHEDULE OF TECHNICAL SPECIFICATION:**

(A) **REQUIREMENT**

The safety helmets shall strictly conform to the requirement of IS: 2925/1984 with latest amendments. The helmets shall consists of shell, nape strap and headband having smooth finish , free from burrs and sharp edges . All components used shall have high degree of shock absorption, penetration resistance & shall also have high degree of flammability and electrical resistance. No metal parts shall be used anywhere in the helmet. The helmets shall have peak and ratchet fit.

(B) **MATERIAL**

i) **SHELL:**

The material of shell of the helmet shall be confirming to the provisions of IS-2925 and its latest amendments. The material shall not be made up with recycling process. It shall conform to the performance test requirements given in clause 8 of IS.

- ii) **HARDNESS:** The criteria for selection of material for the head band, anti concussion tape etc. shall be sweat resistance, non irritant and shall not cause skin disease.

(C) **SIZE:**

Helmets shall be of size suitable for medium sizes as per provisions for IS with replaceable harness.

(D) **CONSTRUCTION:**

The helmets shall be constructed as per provisions of various clauses of IS 2925 /1984 with latest amendments.

(E) **Colour:** The helmet shall be of lime yellow colour.

(F) **Mass:** The mass of the complete helmet without attachment shall not exceed 400 gm.

(G) **PERFORMANCE REQUIREMENTS:** The following tests shall be carried out at manufacturer's works to ascertain the performance requirements as per provisions of IS 2925 /1984 with latest amendments.

i) Shock absorption resistance test:

ii) Penetration resistance test.

iii) Flammability resistance test.

iv) Electrical resistance test.

v) Water absorption test.

vi) Heat resistance test.

The manufacturer must have all above test facilities at their works, for this the supplier shall furnish list of testing facilities / equipments available at their works otherwise their offer shall be ignored.

(H) **PACKING AND MARKING**

The helmet shall be suitably packed as per requirement of IS. The safety helmets and harness shall be legibly and indelibly marked by any suitable method not having a harmful effect the following information.

a) Name of manufacturer.

b) Year of manufacturer

c) SOUTHCO

d) ISI certification mark.

4 **GUARANTEED TECHNICAL AND OTHER PARTICULARS**

The bidders shall furnish complete guaranteed and other particulars of material offered by him in GTP.

5 **SAMPLES**

The bidder shall deposit 1 No. sample of tendered item, along with dimensional drawing indicating all dimensions and weight along with Bid. The sample shall be checked thereafter

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for visual examination and checking /verification of dimensions, weight etc. as per specification / GTP / Drawing.

6 INSPECTION & TESTING:

Inspection & testing shall be carried out at manufacturer's work as per provision of IS 2925/1984 with latest amendments and GTP's of PO.

The supplier should satisfy themselves that the helmets to be supplied are in accordance with the terms of the contract and fully confirm to required specification by carrying out a thorough pre-inspection of each item before tending the same for inspection to the inspecting officer/ inspecting agency nominated by the purchaser. Such pre-inspection on the part of the suppliers would minimize the chances of rejection in inspection.

The material shall be tested and inspected by an authorized inspection officer of SOUTHCO before dispatch. Samples shall be drawn for inspection/testing as per provisions of relevant IS /purchase order. **The purchaser reserves the right to get the material tested in any testing laboratory before dispatch.**

GUARANTEED TECHNICAL PARTICULARS FOR HELMET

Sl. No.	PARTICULARS	GTP FURNISHED BY FIRM
1	Name and address of manufacturer.	
2	Work's Address.	
3	Safety Helmets consist of items	
4	Safety Helmets type	
5	Size of Safety Helmets	
6	Material of Safety Helmets items wise.	
7	Weight of helmet.	
8	Whether helmets are DGMS approved and copy of approval enclosed.	
9	Whether helmets are ISI marked and copy of ISI license enclosed.	

TECHNICAL SPECIFICATION OF FIRE EXTINGUISHER

1 INTENT OF SPECIFICATION

This specification is intended to cover the design, manufacture, assembly, testing at manufacturer's works, supply & delivery, properly packed for transport FOR site of Portable wall mounted Fire extinguisher for substation control room building complete with all materials and accessories for efficient and trouble free operation.

The fire extinguisher shall be procured from a vendor who must have at least three years experience in manufacturing of the same. The materials shall have been successfully type tested during last five years on the date of bid opening. The Type Test reports shall be submitted along with the bid.

2 SCOPE OF SUPPLY

The following equipment shall be furnished with all accessories: -

- a. Wall mounted fire extinguisher
- b. All installation hardware.
- c. All relevant drawings, data & instruction manuals.
- d. Mandatory spares.

3 CODES AND STANDARDS

All equipment and material shall be designed, manufactured and tested in accordance with the latest applicable Indian Standards except where modified and/or supplemented by this specification.

In particular, the following standards and specifications are applicable.

- | | |
|---------|--|
| IS 2190 | Selection, installation & maintenance of first aid, fire extinguisher. |
| IS 2878 | Fire extinguisher CO2 type |
| IS 2171 | Specification for fire extinguisher dry powder. |

4 PORTABLE FIRE EXTINGUISHERS

4.1 This specification lays down the requirement regarding fire extinguishers of following types:

Portable fire extinguishers.

- a) Dry chemical powder type
- b) Carbon Dioxide type

4.2 All the extinguishers offered by the Bidder shall be of reputed make and shall be ISI marked.

5 Design and Construction

5.1 All the portable extinguishers shall be of freestanding type and shall be capable of discharging freely and completely in upright position.

5.2 Each extinguisher shall have the instructions for operating the extinguishers on its body itself.

5.3 All extinguishers shall be supplied with initial charge and accessories as required.

5.4 Portable type extinguishers shall be provided with suitable clamps for mounting on walls or columns.

5.5 All extinguishers shall be painted with durable enamel paint of fire red colour conforming to relevant Indian Standards.

5.6 Dry chemical powder type portable extinguisher shall conform to IS: 2171.

5.7 Carbon Dioxide type portable extinguisher shall conform to IS: 2878.

6 Tests and Inspection

6.1 A performance demonstration test at site of five (5) percent or one (1) number whichever is higher, of the extinguishers shall be carried out by the Contractor. All consumable and replaceable items require for this test would be supplied by the Contractor without any extra cost to Employer.

6.2 Performance testing of extinguisher shall be in line of applicable Indian Standards. In case where no Indian Standard is applicable for a particular type of extinguisher, the method of testing shall be mutually discussed and agreed to before placement of order for the extinguishers.

7 Painting

Each fire extinguisher shall be painted with durable enamel paint of fire red colour conforming to relevant Indian Standards.

8 Tests

All equipment shall be completely assembled wired, adjusted and routine tested at the factory as per relevant standards.

10 The bidder shall supply the G.T.P. and drawing of both Dry chemical powder type and Carbon Dioxide type fire extinguisher along with the bid with details of net weight and gross weight in GTP.

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GUARANTEED TECHNICAL PARTICULARS FOR FIRE EXTENGUSHIER

Sl. No.	PARTICULARS	GTP TO BE FURNISHED BY FIRM
1	Name and address of manufacturer.	
2	Work's Address.	
3	Model	
4	Capacity	
5	Fire Rating	
6	Average Discharge Time	
7	Height without base	
8	Diameter	
9	Filled weight (Approx.)	
10	Empty weight (Approx.)	
11	Operating Temperature	
12	Working pressure at 20 degree Centigrade	
13	Max. service pressure	
14	Test Pressure	
15	Whether ISI marked and copy of ISI license enclosed.	

TECHNICAL SPECIFICATION OF DISCHARGE ROD

1. This specification covers the manufacture, testing at works and supply of Earthing/Discharge Rod for 11 KV to 33 KV systems.

2. **APPLICABLE STANDARD :**

As per relevant IS with latest amendment (for materials used & testing).

Like IS 1998, IS 2071, BS 27821, IS 867, IEC 60060 IEC 855 etc.

3. **GENERAL CONSTRUCTION REQUIREMENT OF EARTHING ROD**

3.1 **Material :**

A: - Telescopic Stick

The Telescopic earthing Rod should be manufactured from fully automatic pultrusion machine out of Fiber Reinforced Polyester (FRP)/ Polyester Resin bonded, with boron free glass rowing. The glass content should be minimum 60%.

B: - Conductor Clamp

The Top of stick is be provided with Conductor clamp with Die casted Aluminium alloy clamp with adjustable jaw, to grip firmly any bus bar / Conductor of size from 10mm to 35mm diameter conductor. It should have rotating device arrangement for movement in all direction which hold the conductor tightly just by rotating the stick from bottom by hand without any jerk while holding or leaving the conductor.

C: - Earthing Cable

The Earthing Rod should be provided with any ISI branded PVC Insulated Cable of at least seven (7) meter in length. Both end of earthing cable should be provided with copper lugs, which would be crimped with wire. The brass nut bolt should be fixed on the earthing clamp.

D: - Bottom

The bottom end of the telescopic stick should be dressed with rubber shoe for adequate grip & to prevent the penetration of the moisture from underneath, thus making the device completely moisture proof.

3.2 **Special Features.**

(1) The Telescopic stick should be free from all the foreign bodies and without any pin holes.

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- (2) The Inner & outer surface of Earthing rod (Telescopic stick) should be smooth & glossy.
- (3) The arrangement of locking between two sections of Earthing Rod will be of Nut-Bolt type locking with Telescopic design.
- (4) The joints are required vibration free and provided with complete fittings.
- (5) The Earthing Rod shall have very good mechanical strength, excellent Dielectric strength and free from the water absorption.
- (6) The weight of Earthing Rod should be very less & suitable for easier handling / Operation by single person.

3.3 **Colour** : Natural Grey

3.4 **Dimensions** :- Total Height :- 18 Feet in four equal section

Assembled Height: - 14 Feet

Outer Diameter: 45 mm for Bottom section & 25 mm for Top Section

Telescopic Stick Wall thickness : 2.5mm

4. **MARKING** :

“SOUTHCO” and trade mark of supplier should be embossed on the Telescopic Stick at every meter length preferably at 50mm from one end.

5. **TYPE TEST CERTIFICATE** :

The Earthing Rod sticks should be type tested for 110 KV voltage for power frequency voltage withstand test in Dry & wet condition preferably from any NABL Accredited Lab like CPRI, ERDA etc.

6. The bidder shall supply the GTP & Drawing of discharge rod along with the bid.

33 KV & 11 KV Rubber Hand gloves

Technical specification

1. Scope- This specification covers rubber hand insulated hand gloves used for protection of electrical workers from electric shock. These gloves are intended for working on live low and medium voltage lines and equipments. These are also used for the operation of 11 KV and 33 KV AB switches operating handles etc. as a precaution.

2. Applicable standard: Unless otherwise modified in this specification, the rubber hand gloves shall comply with the Indian Standards specification IS: 4770-1991 or its latest version.

3. Manufacturing process:

The gloves made from liquid rubber by dipping process shall be acceptable. The gloves should be seamless, soft and flexible to allow easy movement of hands.

4. Physical properties:

The allowable values of Tensile strength, Elongation at Break, Tension set and Ageing Properties shall be as stipulated in the IS.

1. Packing and Marking:

The gloves shall be marked with following information:

- i. Size and type of gloves.
- ii. Maximum working potential followed by the word 'working' in brackets.
- iii. Manufacturer's name
- iv. Month and year of manufacture.
- v. ISI Mark.

2. Tests:

2.1 Routine Tests:

Each and every glove shall be subjected to following routine tests in accordance with the details indicated in IS: 4770.

- i. Visual examination
- ii. Thickness
- iii. Proof of voltage and leakage current.

2.2 Acceptance Tests:

The following acceptance tests will be carried out.

- i. Thickness
- ii. Tensile strength
- iii. Puncture resistance
- iv. Moisture absorption
- v. Test potential and leakage current
- vi. Breakdown voltage

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2.3 Type Tests:

In addition to the routine and acceptance tests, the following type tests shall be made.

- i. Thickness
- ii. Tensile strength
- iii. Elongation at break
- iv. Tensile set
- v. Tensile stress at 200% elongation
- vi. Tear strength
- vii. Tensile strength and elongation at break after heat ageing
- viii. Puncture resistance
- ix. Moisture absorption.
- x. Nitrogen content(For natural rubber only)
- xi. Ash content (For natural rubber only)
- xii. Test potential and leakage current
- xiii. Breakdown voltage

3. Packing:

The gloves should be packed in polyethylene bags and sealed or as agreed to between purchaser and supplier.

Guaranteed Technical Particulars of Rubber Hand Gloves			
Sl. No	Description `	Guaranteed Value	Bidders offer
1	Max Working Potential (RMS)	Type 3-7500 V , Type 4-17000 V	
2	Test Potential (RMS)	Type 3-17000 V Type 4-25000 V	
3	Leakage Current (RMS) at working voltage micro amps (Max.)	Type 3-4000 V Type 4-8000 V	
4	Leakage Current (RMS) at test	Type 3-14mA Type 4-16 mA	
5	Minimum Break Down Voltage	Type 3-20,000V Type 4-30,000 V	
6	Dimension (from the tip of second finger to the edge of the cuff)	400mm	
7	Max , Min thickness	As per ISS	
8	Rubber Hand Gloves for 33 KV & 11 KV AB Switch Operating Handles	As per IS 4770-1991	
9	Sample		To be submitted

NB- Every rubber hand glove should be of Crown make with ISI Mark.

VOLUME- II

(Sample Forms)

**Tender Notification: SOUTHCO/Safety Materials/04/
2014 – 2015**

ABSTRACT OF GENERAL TERMS AND CONDITIONS

1. Whether the bidder is a Manufacturer & furnished relevant documents: Yes / No
2. Required Cost of Tender Furnished Yes / No
3. Required Earnest Money Furnished in Demand Draft Yes / No
4. Whether Type test certificates enclosed with the bid: Yes / No
5. Manufacturer's past supply experience including user's certificate furnished or not: - Yes / No
6. Audited annual reports for the last 3 years furnished or not: Yes / No
7. Deviation to the specification , if any (List enclosed or not):- Yes / No
8. Whether agreed to Purchaser's Delivery schedule: Yes / No
If agreed,
 - a) Date of commencement :
 - b) Rate of delivery per month :
9. Whether agreed to Purchaser's Guarantee clause:- Yes / No
10. Whether agreed for 180 days' validity period of Prices Yes / No
11. Whether the Prices are **FIRM**? Yes / No
12. Whether agreed to furnish security deposit in shape of B.G. encashable at Berhampur in case his tender is successful: - Yes / No
13. Whether agreed to penalty for delayed delivery: - Yes / No
14. Whether agreed to Purchaser's standard terms of payment or not: Yes / No
15. Valid ITCC & STCC furnished or not: Yes / No
16. Whether the copy of blank price schedule indicating only quantity to be supplied enclosed with technical bid

Signature of the bidder
With seal of the Bidder

This form is to be duly filled up & signed by the Bidder along with seal & submitted along with the Part-I of tender.

DECLARATION FORM

**To
GM (Material Mgt. & Vig.)
SOUTHCO, Berhampur**

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 supply the materials covered thereon 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 undertake to have the materials delivered 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 furnished 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 of this specification within fifteen days of issue of Letter of intent / Purchase Order, in the event of Purchase order being decided in my / us favour , failing which I / we clearly understand that the said LOI / P.O. shall be liable for cancellation by the SOUTHCO.

Signed this.....Day of.....200.....

Yours faithfully,

(Signature of Bidder with Seal)

(This form should be duly filled up & signed by the bidder & submitted along with the original copy of the bid)

SOUTHERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.

ANNEXURE – III

PROFORMA FOR COMPOSITE BANK GUARANTEE FOR SECURITY DEPOSIT, PAYMENT AND PERFORMANCE

This Guarantee Bond is executed this ____ day of _____ by us the _____ Bank at _____
P.O. _____ P.S. _____ Dist _____ State _____
(indicate designation of Purchaser)

Whereas Southern Electricity Supply Company of Orissa Ltd.(SOUTHCO) ,Corporate office: Courtpeta, Berhampur, Ganjam - 760004 registered under the Company Act 1956 (here in after called “the Purchaser”) has placed Purchase Order No. _____ Dt. _____ (hereinafter called “the Agreement”) with M/s _____ (hereinafter called “the Contractor”) for supply of _____ (name of the material) and whereas SOUTHCO 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 the SOUTHCO 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 SOUTHCO 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 SOUTHCO an amount not exceeding Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered by SOUTHCO 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 SOUTHCO stating that the amount claimed is due by way of loss or damage caused to or suffered by SOUTHCO 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. 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 SOUTHCO 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 unrevocable. 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 affect 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 SOUTHCO under by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till SOUTHCO 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 _____
_____ (Local Bank Name, address and code No.)
_____, Berhampur in writing on or before
_____ (date) we shall be discharged from all liability under this guarantee thereafter.

SOUTHERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.

5. We, the _____ Bank further agree that SOUTHCO 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 SOUTHCO or any indulgence by SOUTHCO 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 SOUTHCO in writing.

Dated _____ the _____ day of Two thousand _____ .

Not withstanding anything contained herein above.

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

The Bank Guarantee shall be valid up to _____ only.

We or our Bank at Berhampur (Name ,Address & Branch code of the Local Bank) are 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 or our local Bank at Berhampur a written claim or demand and received by us or by Local Branch at Berhampur 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 Purchase order / agreement:

(3) Amount of P.O. :

(4) Name of Materials :

(5) Name of the Bank:

(6) Amount of the Bank Guarantee:

(7) Name, Address and Code No. of the Local Branch:

(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 & main branch/specified branch at Bhubaneswar of issuing Bank.

(TECHNICAL DEVIATION FORMAT)

Clause No	Prescribed as per Tender Specification	Deviation in the bidder's Offer

Bidder's Signature with Seal.

N.B:

The bidder has to mention all technical deviations in his offer which differs from the Technical Requirement of this Tender in above format. Deviations not mentioned in above format but mentioned in any other format or in any other part of the offer document shall not be considered as deviation and the bidder shall be deemed to have accepted our technical requirement without deviation.

(COMMERCIAL DEVIATION FORMAT)

Clause No	Prescribed as per Tender Specification	Provided in the bidder's Offer

Bidder's Signature with Seal.

N.B:

The bidder has to mention all commercial deviations in his offer which differs from the Commercial Requirement of this Tender in above format. Deviations not mentioned in this format but mentioned in any other format or in any other part of the offer document shall not be considered as deviation and the bidder shall be deemed to have accepted our commercial requirement without deviation.

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.)

ANNEXURE- VII

FORMAT FOR PAST SUPPLY EXPERIENCE

NAME OF THE BIDDER: -

DETAILS OF PURCHASE ORDER(S) EXECUTED DURING FY 2011-12 to 2013-14

Sl. No.	P.O. No.	Date	Order Quantity	Name of the Client	Quantity Supplied during		
					FY 11-12	FY 12-13	FY 13-14
TOTAL							

I/We certify as under:

- (i) The above information is true to the best of my / our knowledge and I / we undertake to produce the invoice details on demand.
- (ii) In the event of any deviation found later on pertaining to any of the above information either during the course of contract or bidding stage, the bid/contract shall be liable for truncation/cancellation/termination without any notice at the sole discretion of the purchaser.

Signature of the bidder with seal

NOTE: - Self attested photo copies of all Purchase Orders (all pages) need to be enclosed along with the above format.

SOUTHERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.

Annexure- VIII

Price Schedule for Materials/ Equipments Offered

Name of Discom- SOUTHCO

Name of Bidder _____

Sl. No	Item Description	Unit	Qty.	Price for each unit							
				Unit Ex-Works Price (Rs.)	Unit Packing & Forwarding Charges (Rs.)	Unit Excise Duty with education cess (Rs.)	Unit Sales Tax/VAT (Rs.)	Unit freight & insurance and other local costs incidental to delivery (Rs.)	Unit Entry Tax @ 2 % (Rs.)	Total Unit Price inclusive of taxes & duties (Rs.)	Total Landing Price inclusive of taxes & duties (Rs.)
1	2	3	4	5	6	7	8	9	10	11 = (5+6+7+8+9+10)	12 = 4 x 11

Total amount in Words
Rupees.....only

Signature of Bidder along with Seal & date

- Note:
- 1) Any column left blank shall be treated as NIL / Inclusive of & will be to supplier account.
 - 2) Unit price under Column-11 is inclusive of all taxes & duties applicable.
 - 3) In case of discrepancy between unit price and total price, the unit price shall prevail over the total price.