



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

Open Tender Notification

for

**Rate contract for supply of Electrical Insulating Gloves-
500 Volts (Class 00) 11kV (Class2), 33kV (Class 4)**

**Tender Enquiry No.: TPCODL/P&S/1000000127/21-22,
Due Date for Bid Submission: 15th December 2021 [18:00
Hrs.]**

**TP Central Odisha Distribution Limited
(A TATA Power and Odisha Government Joint Venture)
Procurement & Stores Department,
2nd Floor, IDCO Towers, Janpath, Bhubaneswar – 751022**



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

Tender Enquiry No - TPCODL/P&S/100000127/2021-22

Tender Enquiry No.	Work Description	EMD (Rs.) *	Tender Fee (Rs.) **	Last Date and Time for payment of Tender Fee
TPCODL/P&S/1000000127/2021-22	Rate contract for supply of Electrical Insulating Gloves- 500 Volts(Class 00) 11kV (Class2), 33kV (Class 4)	50,000	5,000	04.12.2021, 17:00Hrs

* EMD is exempted for MSMEs registered in the State of Odisha.

** MSMEs registered in the State of Odisha shall pay tender fee of Rs. 1,000/- including GST. For details of MSME norms, pls refer "Annexure A" below.

INFORMATION TO THE BIDDERS TO PARTICIPATE IN E-OPEN TENDER SYSTEM OF TPCODL

-: Steps for E-tender submission:-

Bids are to be submitted only through online e-procurement platform, ARIBA. Any other form of bid submission will not be accepted. Online Link for submission of bid through ARIBA will be sent only after confirmation of payment of tender fee from bidder.

Step 1: The bidder can get primary information about the tender from the Newspaper advertisement / TPCODL website <www.tpcentralodisha.com> and can download the tender document from the above website.

Step 2: Non-Refundable Tender Participation Fee, as indicated in tender document, to be submitted before last date of tender fee payment, in the form of direct deposit/NEFT/RTGS in the following bank account.

Account Name: TP Central Odisha Distribution Limited
Bank Name: State Bank of India,
IDCO Towers, Bhubaneswar
Bank Account No. : 10835304915
IFSC Code : SBIN0007891



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

Step 3: Eligible and Interested bidder to send an email to TPCODL attaching duly signed and stamped letter on Bidder's letterhead, with following details, expressing their intend to bid against above tender:

SI No	Description	Bidder's Response
i)	Tender Enquiry No.	
ii)	Description of materials / Works Tendered	
iii)	Name and address of the bidding company	
iv)	Name of the authorized contact person	
v)	Contact No. authorized person	
vi)	E-mail Id of the where online ARIBA link to be	
vii)	Tender Fee details (Amount / NEFT-RTGS UTR No	
viii)	GST No.of bidder	
ix)	MSME Certificate, wherever applicable	
x)	Postal address of bidder for return of EMD BG	

E-mail has to be sent to <asish.karmakar@tpcentralodisha.com> with copy to <sudhakar.behera@tpcentralodisha.com> before "Last date and time for payment of Tender Participation Fee".

Step 4: On receipt of the document as mentioned in Step 3 above and after due verification of the same, ARIBA link for participation in the tender will be sent to bidder's mail address from ARIBA system.

Step 5: In this mail there will be an online link as **Click Here** to participate in the tender.

Step 6: Click "**Click Here**" to access this event.

Step 7: If bidder is bidding first time for TPCODL through ARIBA site then please "Sign UP" by creating User Name and password as mentioned in Sign Up page. Please follow the process, as mentioned in the Sign Up page, during creation of User Name and password. Also a simple one-page registration screen will open for first time user. All * mark mandatory field to be filled in.

Those who are already having User Name and password for accessing TPCODL events, they can LOGIN using same User Name and password.

If bidder has got User name and password for their other customer, same will not be applicable for TPCODL.

Step 8: You will be able to see the RFQ

Step 9: After review and downloading of all documents click on "**Review Pre-requisites**"

Step 10: Review and accept "**Bidder Agreement**".



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

Step 11: You can see attached pdf tender document against clause no 1.1.1 (Introduction).

Step 12: Vendor has to attach pdf version of technical bid in clause no. 2.1 and 2.2. In this field do not attach any price document.

Price schedule is attached in clause no.3.2. Same has to be downloaded and price and tax details to be filled in as per the format given, print to be taken in vendor's letter head and signature and seal to be made by authorised person. PDF version of this price bid to be attached in clause 3.2 For Price Bid put all the unit price and taxes and duties in provided field. Put "0" (ZERO) in not applicable field.

Step 13: After successfully putting Techno commercial offer and price part then click on **"Submit Entire Response"**

Note: Once user ID and password created, bidder can also login to ARIBA site through the following URL:

<https://service.ariba.com/Sourcing.aw/124997008/aw?awh=r&awssk=oxt0s1BN&dard=1>



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

Annexure-A

Preferential norms for procurement from MSMEs registered in the State of Odisha

1) Tender Fees

To participate in the tender, MSMEs registered in the State of Odisha shall pay Rs.1,000/- including GST towards cost of tender paper.

2) Earnest Money Deposit (EMD)

EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.

3) Qualification Requirement for Open Tenders

Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria.

For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power and its Group Companies shall supersede feedback from other Customers.

4) Reservation for MSME

It shall be mandatory to procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements.

5) Performance Bank Guarantees

Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/100000127/2021-22

CONTENTS OF THE ENQUIRY

S. NO.	PARTICULARS
1.	Event Information
2.	Submission of Bid Documents
3.	Bid Opening & Evaluation process
4.	Evaluation Criteria
5.	Award Decision
6.	Order of Preference/Contradiction
7.	Post Award Contract Administration
8.	Specifications and Standards
9.	General Conditions of Contract
10.	Safety
Annexures	
I	Annexure I – Schedule of Items
II	Annexure II – Specification, drawing and GTP
III	Annexure III – Schedule of Deviations
IV	Annexure IV – Schedule of Commercial Specifications
V	Annexure V – Document Check List
VI	Annexure VI – Acceptance Form for Participation in Reverse Auction Event
VII	Annexure VII – General Condition of Contract
VIII	Annexure VIII – Safety Policy and Safety Terms and Conditions
IX	Annexure IX - Environment & Sustainability Policy
X	Annexure X – Tata Code of Conduct(TCOC)



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

1.0 Event Information

1.1. Scope of work

Bids are invited from interested Bidders entering into a Rate Contract valid for 1-year Rate contract for Supply of Electrical Insulating Gloves- 500 Volts (Class 00) 11kV (Class2), 33kV (Class 4) the following items:

S. No.	Description	UOM	Quantity
1.	12 KV ELECTRICAL HAND GLOVE	EA	2000
2	RUBBER HAND GLOVES 33 K.V.	EA	1000

1.2. Availability of Tender Documents

Please refer "Procedure to participate in the e-tender".

1.3. Calendar of Events

(a)	Date of availability of tender documents from TPCODL Website	26.11.2021
(b)	Last date and time of Payment of Tender Fee	04.12.2021, 17:00 Hours
(c)	Last Date of receipt of pre-bid queries, if any	06.12.2021, 17:00 Hours
(d)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	09.12.2021, 17:00 Hours
(e)	Last date and time of receipt of Bids	15.12.2021, 18:00 Hours

Note: In the event of last date specified for submission of bids and date of opening of bids is declared as a closed holiday for TPCODL's office, the last date of submission of bids and date of opening of bids will be the day following working day at appointed times.

1.4 Mandatory documents required along with the Bid

- 1.4.1 EMD of requisite value and validity
- 1.4.2 Tender Fee.
- 1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.
- 1.4.4 Acceptance of Specification, drawing with filled in GTP as per Annexure II.
- 1.4.5 Duly signed and stamped 'Schedule of Deviations' as per Annexure III on bidder's letter head.
- 1.4.6 Duly signed and stamped 'Schedule of Commercial Specifications' as per Annexure IV on bidder's letter head.
- 1.4.7 Duly filled in Annexure V and VI.
- 1.4.8 Proper authorization letter/ Power of Attorney to sign the tender on the behalf of bidder.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

1.4.9 Copy of PAN, GST registration (In case any of these documents is not available with the bidder, same to be explicitly mentioned in the 'Schedule of Deviations')

Please note that in absence of any of the above documents, the bid submitted by a bidder shall be liable for rejection.

1.5. Deviation from Tender

Normally, the deviations to tender terms are not admissible and the bids with deviation are liable for rejection. Hence, the bidders are advised to refrain from taking any deviations on this Tender. Still in case of any deviations, all such deviations shall be set out by the Bidders, clause by clause in the 'Annexure III - Schedule of Deviations' and same shall be submitted as a part of the Technical Bid.

1.6. Right of Acceptance/Rejection

Bids are liable for rejection in absence of following documents:

- i. EMD of requisite value and validity.
- ii. Tender fee of requisite value.
- iii. Price Bid as per the Price Schedule mentioned in Annexure I (BOQ)
- iv. Necessary documents against compliance to Qualification Requirements mentioned at Clause 1.7 of this Tender Document.
- v. Filled in Schedule of Deviations as per Annexure III.
- vi. Filled in Schedule of Commercial Specifications as per Annexure IV.
- vii. Signed and filled in Specification and GTP as per Annexure II.
- viii. Duly filled and signed Annexure V and VI.
- ix. Receipt of Bid within the due date and time.

TPCODL reserves the right to accept/reject any or all the bids without assigning any reason thereof.

1.7 Qualification Criteria

- a) The bidder should have an average annual turnover of Rs.1.5 crores in last three financial years (FY 18-19, FY 19-20 and FY 20-21). Copy of audited Balance Sheet and P&L Account to be submitted in this regard.
- b) Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria.
- c) For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power and its Group Companies shall supersede feedback from other Customers.
- d) Bidder should have at least the Purchase order single / Multiple copy of experience in supply of similar item Safety Gloves (in Govt. Org/Discoms/Utilities/Industries/PSU) with performance certificate.
- e) Bidder should have a valid Manufacturing license /MSME issued by concerned state/India Govt. for carrying out these works in Copy of license required. In case of supplier, bidders have authorization from original manufacturer.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

- (i) In case of supplier/traders (not having manufacturing facility of their own) shall be consider eligible provided they
- (a) submit an undertaking to facilitate testing for offered material in an accredited laboratory.
 - (b) Provide a valid authorization from concerned manufacturer for dealing with offered material.
- f) Bidder must have successfully executed the supply of 12 KV ELECTRICAL HAND GLOVE for a minimum 1000 Qty. or more in single order or 400 Qty in 3 multiple order. RUBBER HAND GLOVES 33 K.V for a minimum 1000 Qty. or more in single order or 400 Qty in 3 multiple order.
- g) Bidder shall arrange for factory evaluation/ pre-dispatch inspection/ routine and acceptance tests at their works, as per requirement
- h) The bidder must have all statutory compliance like valid PAN no, GSTN etc. The bidder must submit the copy of all these registrations.

1.8. Marketing Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the General Condition of Contracts. Bidders must agree to these rules prior to participating. In addition to other remedies available, TPCODL reserves the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the General Condition of Contracts. A bidder who violates the market place rules or engages in behavior that disrupts the fair execution of the marketplace, may result in restriction of a bidder from further participation in the marketplace for a length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honor prices submitted to the marketplace
- Breach of terms as published in TENDER/NIT

1.9. Supplier Confidentiality

All information contained in this tender is confidential and shall not be disclosed, published or advertised in any manner without written authorization from TPCODL. This includes all bidding information submitted to TPCODL. All tender documents remain the property of TPCODL and all suppliers are required to return these documents to TPCODL upon request. Suppliers who do not honor these confidentiality provisions will be excluded from participating in future bidding events.

2.0 Evaluation Criteria

- The bids will be evaluated technically and on qualifying criteria of tender terms and conditions.
- The bids will be evaluated commercially on individual item basis (all-inclusive lowest cost at item level) for the complete tender as calculated in Schedule of Items [Annexure I].
- Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, TPCODL may reject the bids.

NOTE: In case a new bidder is not registered with TPCODL, factory inspection and evaluation shall be carried out to ascertain bidder's manufacturing capability and quality procedures. However, TPCODL reserves the right to carry out factory inspection and evaluation for any bidder prior to technical qualification.

In case a bidder is found as Disqualified in the factory evaluation, their bid shall not be evaluated any further and shall be summarily rejected. The decision of TPCODL shall be final and binding on the bidder in this regard.

2.1 Price Basis: Price will be fixed and firm during the contractual period.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

3.0 Submission of Bid Documents

3.1 Bid Submission

Bidders are requested to submit their offer in line with this Tender document through e-tendering process.

Please note all future correspondence regarding the tender, bid submission, bid submission date extension, Pre-bid query etc. will happen only through TPCODL E-Tender system (Ariba).

No e-mail or verbal correspondence will be responded. All communication will be done strictly with the bidder who have done the above step to participate in the Tender.

Bids shall be submitted in 3(Three) parts:

FIRST PART: "EMD" as applicable shall be submitted. The EMD shall be valid for 210 days from the due date of bid submission in the form of Bank Guarantee / Bank Draft / Bankers Pay Order (issued from a Scheduled Bank) online NEFT/ RTGS transfer favoring 'TP Central Odisha Distribution Limited' payable at Bhubaneswar. The EMD BG has to be strictly in the format as mentioned in General Condition of Contract, failing which it shall not be accepted by TPCODL and the bid as submitted shall be liable for rejection. A separate non-refundable tender fee of stipulated amount also needs to be transferred online through NEFT/ RTGS in case the tender document is downloaded from our website.

TPCODL Bank Details for transferring Tender Fee and EMD is as below:

Account Name: TP CENTRAL ODISHA DISTRIBUTION LIMITED
Bank Name: SBI, IDCO Towers, Bhubaneswar
Bank Account No.: 10835304915
IFSC Code: SBIN0007891

Note- EMD is preferred in form of Bank Guarantee and to be delivered at the following address. However, in view of present situation if Bidder is finding it difficult to make and submit BG for EMD amount, they can do online transfer of EMD amount in the above mentioned Account and submit proof of the same as part of Bid Submission.

Please note that in such case, Tender Fee and EMD should be strictly 2 separate transactions.

Please note as return of EMD from Bank Account is non-standard practice and the same may take more time than return of EMD BG.

EMD Original Hard Copy shall be delivered at the following address in Envelope clearly indicating Tender Reference/ Enquiry Number, Name of Tender and Bidder Name

Chief (Procurement & Stores)
TP Central Odisha Distribution Limited
2nd Floor, IDCO Towers, Janapath, Bhubaneswar- 751022

EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.

SECOND PART: "TECHNICAL BID" shall contain the following documents:

- i) Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7 and clause no. 1.4.
- ii) Type Test Certificate of safety gloves of same or higher rating.
- iii) Acceptance of Specification as per Annexure II.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

- iv) Duly signed and stamped 'Schedule of Deviations' as per Annexure III on bidder's letter head.
- iv) Duly signed and stamped 'Schedule of Commercial Specifications' as per Annexure IV on bidder's letter head.
- v) Duly filled in Annexure V and VI.
- vi) Proper authorization letter/ Power of Attorney to sign the tender on the behalf of bidder.
- vii) Copy of PAN, GST registration (In case any of these documents is not available with the bidder, same to be explicitly mentioned in the 'Schedule of Deviations')

The technical bid shall be properly indexed and is to be submitted through TPCODL E-tender System (Ariba) only. Hard Copy of Technical Bids need not be submitted

THIRD PART: "PRICE BID" shall contain only the price details and strictly in format as mentioned in Annexure I along with explicit break up of basic prices and Taxes & duties etc. In case any discrepancy is observed between the item description stated in Schedule of Items mentioned in the tender and the price bid submitted by the bidder, the item description as mentioned in the tender document (to the extent modified through Corrigendum issued if any) shall prevail.

Price Bid is to be submitted in soft copy through TPCODL E-Tendering system (Ariba) only. Hard copy of Price Bid not be submitted

The EMD in the form of Bank Draft / BG / Bankers Pay Order shall be submitted in original hard copy and then placed in sealed envelope which shall be clearly marked as below:

EMD

"Rate contract for supply of Electrical Insulating Gloves- 500 Volts(Class 00) 11kV (Class2), 33kV (Class 4)"

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the TPCODL, 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.

SIGNING OF BID DOCUMENTS:

The bid must contain the name, residence and place of business of the person or persons making the bid and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below the signature.

The Bid being submitted must be signed by a person holding a Power of Attorney authorizing him to do so, certified copies of which shall be enclosed.

The Bid submitted on behalf of companies registered with the Indian Companies Act, for the time being in force, shall be signed by persons duly authorized to submit the Bid on behalf of the Company and shall be accompanied by certified true copies of the resolutions, extracts of Articles of Association, special or general Power of Attorney etc. to show clearly the title, authority and designation of persons signing the Bid on behalf of the Company. Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with bid.

A bid by a person who affixes to his signature the word 'President', 'Managing Director', 'Secretary', 'Agent' or other designation without disclosing his principal will be rejected.

The Bidder's name stated on the Proposal shall be the exact legal name of the firm.

3.2 Contact Information



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

All the bidders are requested to send their pre-bid queries (if any) against this tender through e-mail within the stipulated timelines. The consolidated reply to all the queries received shall be posted on TPCODL website by the stipulated timelines as detailed in calendar of events.

Communication Details:

Handling Executive for this Tender:

Name: Prashant Gupta
Contact No.: 9634077589
E-Mail ID: prashant.gupta@tpcentralodisha.com

Escalation: General Manager (Material Procurement):

Name: Mr. Sudhakar Behera,
Contact No.: 9437282663
E-Mail ID: sudhakar.behera@tpcentralodisha.com

3.3 Bid Prices

Bidders need to quote for all items as per the Price schedule attached in Annexure I. The bidder shall complete the appropriate Price Schedules included herein, stating the Unit Price for each item & total price with taxes, duties & freight up to destination at various sites of TPCODL. The all-inclusive prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during the execution of the supply work, breakup of price constituents.

Applicable GST to be specified clearly.

The quantity break up shown else-where other than Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated in the price schedule but which are required to complete the job as per the Technical Specifications/ Scope of Work/ SLA mentioned in the tender, shall be deemed to be included in prices quoted.

3.4 Bid Currencies

Prices shall be quoted in Indian Rupees Only.

3.5 Period of Validity of Bids

Bids shall remain valid for 180 days from the due date of submission of the bid.

Notwithstanding clause above, the TPCODL may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and responses thereto shall be made in writing.

3.6 Alternative Bids

Bidders shall submit Bids, which comply with the Bidding documents. Alternative bids will not be considered. The attention of Bidders is drawn to the provisions regarding the rejection of Bids in the terms and conditions, which are not substantially responsive to the requirements of the bidding documents.

3.7 Modifications and Withdrawal of Bids

The bidder is not allowed to modify or withdraw its bid after the Bid's submission. The EMD as submitted along with the bid shall be liable for forfeiture in such event.

3.8 Earnest Money Deposit (EMD)



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

The bidder shall furnish, as part of its bid, an EMD amounting as specified in the tender. The EMD is required to protect TPCODL against the risk of bidder's conduct which would warrant forfeiture.

The EMD shall be denominated in any of the following form:

- Banker's Cheque/ Demand Draft/ Pay order drawn in favor of TP Central Odisha Distribution Limited payable at Bhubaneswar.
- Online transfer of requisite amount through NEFT/ RTGS.
- Bank Guarantee valid for 210 days after due date of submission.

The EMD shall be forfeited in case:

a) The bidder withdraws its bid during the period of specified bid validity.

Or

b) The successful Bidder does not

- a) accept the Purchase Order, or
- b) furnish the required Performance Security Bank Guarantee

3.9 Type Tests (if applicable)

The type tests specified in TPCODL specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. If type tests carried out are not within the five years prior to the date of bidding, the bidder will arrange to carry out type tests specified, at his cost. The decision to accept/ reject such bids rests with TPCODL

4 Bid Opening & Evaluation process

4.1. Process to be confidential

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

4.2. Technical Bid Opening

Bids will be opened at TPCODL Office, Bhubaneswar. All tender bids shall be opened internally by TPCODL. Presence of any bidder will not be allowed during bid opening process. Technical bid must not contain any cost information whatsoever.

First the envelope marked "EMD" will be opened. Bids without EMD/cost of tender (if applicable) of required amount/ validity in prescribed format, shall be rejected.

Next, the technical bid of the bidders who have furnished the requisite EMD will be opened, one by one.

4.3. Preliminary Examination of Bids/Responsiveness

TPCODL 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. TPCODL may ask for submission of original documents in order to verify the documents submitted in support of qualification criteria.

Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

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.

Prior to the detailed evaluation, TPCODL 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.

Bid determined as not substantially responsive will be rejected by the TPCODL and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

4.4. Techno Commercial Clarifications

Bidders need to ensure that the bids submitted by them are complete in all respects. To assist in the examination, evaluation and comparison of Bids, TPCODL may, at its discretion, ask the Bidder for a clarification on its Bid for any deviations with respect to the TPCODL specifications and attempt will be made to bring all bids on a common footing. 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 owing to any clarifications sought by TPCODL.

4.5. Price Bid Opening

Price bids will be opened internally without the presence of any bidder representative. The EMD of the bidder withdrawing or substantially altering his offer at any stage after the technical bid opening will be forfeited at the sole discretion of TPCODL without any further correspondence in this regard.

4.6. Reverse Auctions

TPCODL reserves the right to conduct the reverse auction (instead of public opening of price bids) for the products/ services being asked for in the tender. The terms and conditions for such reverse auction events shall be as per the Acceptance Form attached as Annexure VI of this document. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form attached as Annexure VI as a token of acceptance for the same.

5 Award Decision

TPCODL will award the contract to the successful bidder whose bid has been determined to be the lowest-evaluated responsive bid as per the Evaluation Criterion mentioned at Clause 2.0. The Cost for the said calculation shall be taken as the all-inclusive cost quoted by bidder in Annexure I (Schedule of Items) subject to any corrections required in line with Clause 3.1 above. The decision to place purchase order/LOI solely depends on TPCODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPCODL may deem relevant.

TPCODL reserves the rights to award contract to one or more bidders so as to meet the delivery requirement or nullify award decision without assigning any reason thereof.

In case any supplier is found unsatisfactory during delivery process, the award will be cancelled and TPCODL reserves right to award contract to other suppliers who are found fit.

6 Order of Preference/Contradiction

In case of contradiction in any part of various documents in tender, following shall prevail in order of preference:

1. Schedule of Items (Annexure I)
2. Technical Specifications (Annexure II)
3. Special Conditions of Contract (Clause 7.0)
4. Submission of Bid Documents (Clause 3.0)



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

5. Acceptance Form for Participation in Reverse Auction (Annexure VI)
6. General Conditions of Contract (Annexure VIII)

7 Post Award Contract Administration

7.1. Special Conditions of Contract

- Rate contract shall be valid for a period of 1 year from the placement of Contract. Release Order (RO) shall be placed as per the requirement of TPCODL. Rate shall be firm and fixed during the validity of the contract.
- Business Associate (BA) shall submit applicable Performance Bank Guarantee as per GCC within 30 days of issuance of rate contract or release order. PBG applicable shall be @ 5% of Rate Contract Value or 10% of Release Order Value. Validity of BG shall be till expiry date of RC plus delivery period plus warranty period in case of 5% value BG. Validity will be till delivery period plus warranty period for 10% value BG. Claim period will be additional one month for both cases.

Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed

- Any change in statutory taxes, duties and levies during the contract period shall be borne by TPCODL. However, in case of delay in work execution owing to reasons not attributable to TPCODL, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on TPCODL.
- Statutory Variations: Any changes in existing taxes/ Duties and levies, Introduction of new taxes and duties etc. during the period of the contract shall be paid at actuals to BA subject to BA shall submit the tax break up in details, however, where BA has quoted the all-inclusive prices and not shown the tax break-up, this clause will not be applicable. The date of issue of MDCC shall be used for this purpose.
- Quotation in all BOQ items is mandatory, and bid shall be rejected if any line of found blank in price bid.
- Delivery period shall be 30 days from date of receipt of release order / CAT-A issuance, whichever is later
- Warranty period: As mentioned in technical specification, Annexure-II enclosed.
- Delivery location: TPCODL Store at Cuttack or at Bhubaneswar, Odisha.
- Late delivery(LD) clause will be applicable as per GCC.
- All other terms and conditions of TPCODL General Conditions of Contract shall be applicable.
- TPCODL shall short close the issued Release Order / Rate contract, in case of any quality issues
- Terms of Payment:

On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills/ Invoices in original in the name of TP Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices.

7.2 Drawing Submission and Approval

The relevant drawings need to be submitted within two weeks of receipt of firm purchase order by the successful bidder to TPCODL for approval. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.

7.3 Payment Terms

Property of TPCODL – Not to be reproduced without prior written permission of TPCODL



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

As per SCC, Clause number 7.1.

7.4 Climate Change

Significant quantities of waste are generated during the execution of project and an integrated approach for effective handling, storage, transportation and disposal of the same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change. Please refer attached Environment Policy and Sustainability Policy, enclosed for more details.

7.5 Ethics

TPCODL is an ethical organization and as a policy TPCODL lays emphasis on ethical practices across its entire domain. Bidder should ensure that they should abide by all the ethical norms and in no form either directly or indirectly be involved in unethical practice.

TPCODL work practices are governed by the Tata Code of Conduct which emphasizes on the following:

- We shall select our suppliers and service providers fairly and transparently.
- We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
- Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.
- We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company's gifts and hospitality policy.
- We respect our obligations on the use of third party intellectual property and data.

Bidder is advised to refer Tata Code of Conduct (TCOC) attached for more information.

Any ethical concerns with respect to this tender can be reported to the following e-mail ID:

pravin.jain@tpcentralodisha.com

8 Specification and standards

As per Annexure II

9 General Condition of Contract

Any condition not mentioned above shall be applicable as per GCC attached along with this tender.

Annexure-I, Price Schedule



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

Sl No	Item Description	UOM	Qty	Rate (Rs)	Amount (Rs)	GST Amount(Rs)	Total with GST (Rs)
1	12 KV ELECTRICAL HAND GLOVE	EA	2000				
2	RUBBER HAND GLOVES 33 K.V.	EA	1000				

NOTE:

ii) All rates are to be quoted on delivered basis at TPCODL Store -Cuttack or Bhubaneswar, Odisha, and should be inclusive of freight, insurance, loading & unloading, handling charges and any other charges which may be applicable.

iii) The overall period of the rate contract shall be for a period of 1 year. Release order shall be issued as per requirement of TPCODL. Rates will remain firm and fixed during the rate contract validity of 1 year.

iv)The bids will be evaluated commercially on itemwise lowest cost.

v) The bidders are advised to quote prices strictly in the above format. Failing to do so, bids are liable for rejection.

vi) The bidder must fill each and every column of the above format. Mentioning "extra/inclusive" in any of the column may lead for rejection of the price bid.

vii) No cutting/ overwriting in the prices is permissible.

viii) Quantities mentioned above is for evaluation purpose only and not guaranteed. Quantities may change as per actual requirements.



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

ANNEXURE III

Schedule of Deviations

*Bidders are advised to refrain from taking any deviations on this TENDER. Still in case of any deviations, all such deviations from this tender document shall be set out by the Bidders, Clause by Clause in this schedule and submit the same as a part of the **Technical Bid**.*

*Unless **specifically** mentioned in this schedule, the tender shall be deemed to confirm the TPCODL's specifications:*

S. No.	Clause No.	Tender Clause Details	Details of deviation with justifications

By signing this document we hereby withdraw all the deviations whatsoever taken anywhere in this bid document and comply to all the terms and conditions, technical specifications, scope of work etc. as mentioned in the standard document except those as mentioned above.

Seal of the Bidder:

Signature:

Name:



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneswar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

ANNEXURE IV

Schedule of Commercial Specifications

(The bidders shall mandatorily fill in this schedule and enclose it with the offer Part I: Technical Bid. In the absence of all these details, the offer may not be acceptable.)

S. No.	Particulars	Remarks
1.	Prices firm or subject to variation (If variable indicate the price variation clause with the ceiling if applicable)	Firm / Variable
1a.	If variable price variation on clause given	Yes / No
1b.	Ceiling	----- %
1c.	Inclusive of GST	Yes / No (If Yes, indicate % rate)
1d.	Inclusive of transit insurance	Yes / No
2.	Delivery	Weeks / months
3.	Guarantee clause acceptable	Yes / No
4.	Terms of payment acceptable	Yes / No
5.	Performance Bank Guarantee acceptable	Yes / No
6.	Liquidated damages clause acceptable	Yes / No
7.	Validity (180 days) (From the date of opening of bid)	Yes / No
8.	Inspection during stage of manufacture	Yes / No
9.	Rebate for increased quantity	Yes / No (If Yes, indicate value)
10.	Change in price for reduced quantity	Yes / No (If Yes, indicate value)
11.	Covered under Small Scale and Ancillary Industrial Undertaking Act 1992	Yes / No (If Yes, indicate, SSI Reg'n No.)

Seal of the Bidder:

Signature:

Name:



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

ANNEXURE V

Checklist of all the documents to be submitted with the Bid

Bidder has to mandatorily fill in the checklist mentioned below:

S. No.	Documents attached	Yes / No / Not Applicable
1	EMD of required value	
2	Tender Fee as mentioned in this tender	
3	Signed copy of this tender as an unconditional acceptance	
5	Duly filled schedule of commercial specifications (Annexure IV)	
6	Sheet of commercial/technical deviation if any (Annexure III)	
7	Balance sheet for the last completed three financial years; mandatorily enclosing Profit & loss account statement	
8	Acknowledgement for Testing facilities if available (duly mentioned on bidder letter head)	
9	List of Machine/tools with updated calibration certificates if applicable	
10	Details of order copy (duly mentioned on bidder letter head)	
11	Order copies as a proof of quantity executed	
12	Details of Type Tests if applicable (duly mentioned on bidder letter head)	
13	All the relevant Type test certificates as per relevant IS/IEC (CPRI/ERDA/other certified agency) if applicable	
14	Project/supply Completion certificates	
15	Performance certificates	
16	Client Testimonial/Performance Certificates	
17	Credit rating/solvency certificate	
18	Undertaking regarding non blacklisting (On company letter head)	
19	List of trained/untrained Manpower	

Seal of the Bidder:

Signature:

Name



TP CENTRAL ODISHA DISTRIBUTION LIMITED
(A Tata Power & Odisha Govt. joint venture)
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022

NIT No.: TPCODL/P&S/1000000127/2021-22

ANNEXURE VI

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder)

In a bid to make our entire procurement process more fair and transparent, TPCODL intends to use the reverse auctions as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:

1. TPCODL shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. TPCODL will make every effort to make the bid process transparent. However, the award decision by TPCODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPCODL, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of TPCODL.
6. In case of intranet medium, TPCODL shall provide the infrastructure to bidders. Further, TPCODL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case of an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out-rightly rejected by TPCODL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at TPCODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of auction event shall be considered by TPCODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all-inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

	TATA POWER COMPANY LIMITED, BHUBANESHWAR		
	TECHNICAL SPECIFICATION		
Document Title	Standard Technical Particular: Electrical Insulated Hand Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 1 of 10	
Prepared By:	Prepared By:	Approved By:	Issued By :

CONTENTS

- 1.0 SCOPE
- 2.0 APPLICABLE STANDARDS
- 3.0 CLIMATIC CONDITIONS OF THE INSTALLATION
- 4.0 GENERAL TECHNICAL REQUIREMENTS
- 5.0 GENERAL CONSTRUCTIONS
- 6.0 NAME PLATE AND MARKING
- 7.0 TESTS
- 8.0 TYPE TEST CERTIFICATES
- 9.0 PRE-DESPATCH INSPECTION
- 10.0 INSPECTION AFTER RECEIPT AT STORE
- 11.0 GUARANTEE
- 12.0 PACKING
- 13.0 TENDER SAMPLE
- 14.0 TRAINING
- 15.0 DRAWING AND DOCUMENTS
- 16.0 GURANTEED TECHNICAL PARTICULARS
- 17.0 SCHEDULE OF DEVIATIONS

+ Annexure-1: Inspection Test Plan

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 2 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

1.0	SCOPE	<p>This specification covers the technical requirements of design, manufacturing, testing at manufacturer's works, packing, forwarding, supply and unloading of 'Electrical Insulating gloves' at site/stores of following three category</p> <ol style="list-style-type: none"> 1) Electrical Insulated Gloves- 500V – Class 00 2) Electrical Insulated Gloves- 11kV – Class 2 3) Electrical Insulated Gloves- 33kV – Class 4 <p>These Electrical insulating Gloves' shall be suitable for use by linemen working on live LT, 11kV & 33kV voltage lines.</p>		
2.0	APPLICABLE STANDARDS	<p>The Insulated gloves shall be designed, manufactured tested in accordance with the latest editions of the following Indian, International standards and shall also conform to the regulations of the local statutory authorities.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">IEC/EN 60903:2014</td> <td style="width: 50%;">Live working-Electrical Insulating Gloves</td> </tr> </table>	IEC/EN 60903:2014	Live working-Electrical Insulating Gloves
IEC/EN 60903:2014	Live working-Electrical Insulating Gloves			
3.0	CLIMATIC CONDITIONS OF THE INSTALLATION	<p>The service conditions shall be as follows:</p> <ol style="list-style-type: none"> 1. Maximum altitude above sea level 1,000m 2. Maximum ambient air temperature 50°C 3. Maximum daily average ambient air temperature 35°C 4. Minimum ambient air temperature 0°C 5. Maximum relative humidity 95% 6. Average number of thunderstorm days per annum (isokeraunic level) 70 7. Average number of rainy days per annum 120 8. Average annual rainfall 150cm 9. Earthquakes of an intensity in horizontal direction - equivalent to seismic acceleration of 0.3g 10. Earthquakes of an intensity in vertical direction - equivalent to seismic acceleration of 0.15g (g being acceleration due to gravity) 11 .Wind velocity: 300 km/hr, 200 km/hr and 160 km/hr. environmentally, some of the regions, where the work will take place includes coastal areas, subject to high relative humidity, which can give rise to condensation. Onshore winds will frequently be salt laden. On occasions, the combination of salt and condensation may create pollution conditions for outdoor insulators. Some places are in heavily industrial polluted areas. Therefore, Outdoor material and equipment shall be designed and protected for use in exposed, heavily polluted, salty, corrosive and humid coastal atmosphere <p>The design of equipment and accessories shall be suitable to withstand seismic forces corresponding to an acceleration of 0.1 g.</p>		

4.0 GENERAL TECHNICAL REQUIREMENTS		
S No.	Parameter	Requirement
1	Average Tensile Strength	As per IEC/EN 61482-1-2/ IEC/EN 60903:2014
2	Average % Elongation at break	

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 3 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

3	Puncture Resistance	
4	Tension Set	
5	AC Proof voltage	
6	Withstand voltage	
7	Maximum Operating Voltage	
8	Thickness	
9	Tear Strength	

5.0	GENERAL CONSTRUCTION		
		Parameter	Electrical Insulating gloves
		Material	Good quality natural rubber
		Requirement	Electrical insulation protection protection
		General construction	The gloves shall be seamless construction and should have smooth finish (inside & outside). Gloves shall be free from cavity, voids, cuts, discoloring, patches, and other visual defects.
		Shape of the glove	Shall comply to IEC 60903:2014
		Shelf life	3 years

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 4 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

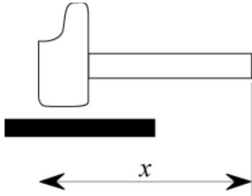
5.1	CLASSIFICATION	<table border="1"> <tr> <td rowspan="7" style="text-align: center;">By Class</td> <td style="text-align: center;">Class</td> <td style="text-align: center;">Operating Voltage</td> </tr> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">500 V</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1000 V</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">7500 V</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">17000 V</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">26500 V</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">36000 V</td> </tr> </table>	By Class	Class	Operating Voltage	00	500 V	0	1000 V	1	7500 V	2	17000 V	3	26500 V	4	36000 V
		By Class		Class	Operating Voltage												
00	500 V																
0	1000 V																
1	7500 V																
2	17000 V																
3	26500 V																
4	36000 V																
<table border="1"> <tr> <td rowspan="6" style="text-align: center;">By special properties</td> <td style="text-align: center;">Category A</td> <td style="text-align: center;">Resistant to acid</td> </tr> <tr> <td style="text-align: center;">Category H</td> <td style="text-align: center;">Resistant to oil</td> </tr> <tr> <td style="text-align: center;">Category Z</td> <td style="text-align: center;">Resistant to ozone</td> </tr> <tr> <td style="text-align: center;">Category R</td> <td style="text-align: center;">A+H+C</td> </tr> <tr> <td style="text-align: center;">Category C</td> <td style="text-align: center;">Resistant to very low temperature</td> </tr> <tr> <td style="text-align: center;">Category F</td> <td style="text-align: center;">Resistant to leakage current</td> </tr> </table>	By special properties	Category A	Resistant to acid	Category H	Resistant to oil	Category Z	Resistant to ozone	Category R	A+H+C	Category C	Resistant to very low temperature	Category F	Resistant to leakage current				
By special properties		Category A	Resistant to acid														
		Category H	Resistant to oil														
		Category Z	Resistant to ozone														
		Category R	A+H+C														
		Category C	Resistant to very low temperature														
	Category F	Resistant to leakage current															

5.2	SIZES	<p>1. Below Table gives the standard length as per IEC/EN 60903 cl.4.3.2 and thickness of gloves.</p>																																					
		<table border="1"> <thead> <tr> <th>Class</th> <th>Length Available</th> <th>Max. Operating Voltage</th> <th>Electrical insulating gloves Thickness (mm)</th> <th>Composite gloves (Without arc flash) Thickness (mm)</th> <th>Composite gloves (With arc flash) Thickness (mm)</th> <th>Required Sizes</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">28/36 cm</td> <td style="text-align: center;">500</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">1.8</td> <td rowspan="6" style="text-align: center;">As per IEC 61482-1-2/ IEC 60903:2014</td> <td rowspan="6" style="text-align: center;">9 & 10</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">28/46 cm</td> <td style="text-align: center;">1000</td> <td style="text-align: center;">1.0</td> <td style="text-align: center;">2.3</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">36/46cm</td> <td style="text-align: center;">7500</td> <td style="text-align: center;">1.5</td> <td style="text-align: center;">2.8</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">36/46 cm</td> <td style="text-align: center;">17000</td> <td style="text-align: center;">2.3</td> <td style="text-align: center;">3.3</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">36/46 cm</td> <td style="text-align: center;">26500</td> <td style="text-align: center;">2.9</td> <td style="text-align: center;">3.6</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">41/46 cm</td> <td style="text-align: center;">36000</td> <td style="text-align: center;">3.6</td> <td style="text-align: center;">4.2</td> </tr> </tbody> </table>	Class	Length Available	Max. Operating Voltage	Electrical insulating gloves Thickness (mm)	Composite gloves (Without arc flash) Thickness (mm)	Composite gloves (With arc flash) Thickness (mm)	Required Sizes	00	28/36 cm	500	0.5	1.8	As per IEC 61482-1-2/ IEC 60903:2014	9 & 10	0	28/46 cm	1000	1.0	2.3	1	36/46cm	7500	1.5	2.8	2	36/46 cm	17000	2.3	3.3	3	36/46 cm	26500	2.9	3.6	4	41/46 cm	36000
Class	Length Available	Max. Operating Voltage	Electrical insulating gloves Thickness (mm)	Composite gloves (Without arc flash) Thickness (mm)	Composite gloves (With arc flash) Thickness (mm)	Required Sizes																																	
00	28/36 cm	500	0.5	1.8	As per IEC 61482-1-2/ IEC 60903:2014	9 & 10																																	
0	28/46 cm	1000	1.0	2.3																																			
1	36/46cm	7500	1.5	2.8																																			
2	36/46 cm	17000	2.3	3.3																																			
3	36/46 cm	26500	2.9	3.6																																			
4	41/46 cm	36000	3.6	4.2																																			
<p>2. The permissible variation in length shall be ± 15 mm for any class.</p> <p>3. The minimum thickness shall be determined only by the ability to pass the dielectric tests.</p> <p>4. The maximum thickness on the flat surface of a glove (no ribbed area if present) shall be as given in Table above in order to obtain the appropriate flexibility.</p> <p>5. Palm circumferences shall be defined as follows:</p>																																							

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 5 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

		178 mm (size 7), 191 mm (size 7.5), 203 mm (size 8), 216 mm (size 8.5), 229 mm (size 9), 241 mm (size 9.5), 254 mm (size 10), 267 mm (size 10.5), and 279 mm (size 11). The tolerance in size shall be ± 13 mm.																												
5.3	SPECIAL PROPERTIES	Gloves shall withstand dielectric stress, mechanical, arc flash, climatic and environmental stresses as per as per) Cl.4.4.																												
5.4	ELECTRICAL REQUIREMENTS	All gloves shall pass the proof and withstand voltage tests:																												
		<table border="1"> <thead> <tr> <th>Class</th> <th>Max Operating Voltage(Volts)</th> <th>Proof test voltage(Volt)</th> <th>Withstand Voltage (Volts)</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>500</td> <td>2500</td> <td>5000</td> </tr> <tr> <td>0</td> <td>1000</td> <td>5000</td> <td>10000</td> </tr> <tr> <td>1</td> <td>7500</td> <td>10000</td> <td>20000</td> </tr> <tr> <td>2</td> <td>17000</td> <td>20000</td> <td>30000</td> </tr> <tr> <td>3</td> <td>26500</td> <td>30000</td> <td>40000</td> </tr> <tr> <td>4</td> <td>36000</td> <td>40000</td> <td>50000</td> </tr> </tbody> </table>	Class	Max Operating Voltage(Volts)	Proof test voltage(Volt)	Withstand Voltage (Volts)	00	500	2500	5000	0	1000	5000	10000	1	7500	10000	20000	2	17000	20000	30000	3	26500	30000	40000	4	36000	40000	50000
		Class	Max Operating Voltage(Volts)	Proof test voltage(Volt)	Withstand Voltage (Volts)																									
		00	500	2500	5000																									
		0	1000	5000	10000																									
		1	7500	10000	20000																									
		2	17000	20000	30000																									
3	26500	30000	40000																											
4	36000	40000	50000																											
		1. Gloves shall be free on both inner and outer surfaces from harmful physical irregularities that can be detected by thorough test and inspection.																												
		2. Harmful physical irregularities shall be defined as any feature that disrupts the uniform, smooth surface contour, such as pinholes, cracks, blisters, cuts, conductive embedded foreign matter, creases, pinch marks, voids (entrapped air), prominent ripples and prominent mould marks.																												
		3. Non-Harmful physical irregularities shall be defined as per IEC 60903/ EN: 2014 Cl.4.3.4.																												
		4. The working area is defined as all fingers and thumb forks, the palm and the palm side of the fingers and thumb as per IEC/EN 60903:2014 Cl.4.3.4.																												
		5. Palm and finger surfaces designed to improve the grip shall not be considered as irregularities.																												
5.7	INSTRUCTION FOR USE	<ol style="list-style-type: none"> The manufacturer shall provide written instructions for use with each packaging of gloves/ MSDS (Material Safety Data Sheet). The instructions for use shall include information on storage, handling, disposal, periodic inspection, periodic testing and reference to the standard with its date of publication. 																												

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 6 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

6.0	NAME PLATE AND MARKING	<p>The glove shall be provided with durable and legible printed marking, effectively secured against removal. The gloves are marked indelibly at the back/Front with the following information:</p> <ol style="list-style-type: none"> 1. Symbol Double triangle – suitable for live working 2. Composite gloves shall also be identified with a mechanical symbol (hammer), adjacent to the double triangle  <ol style="list-style-type: none"> 3. Relevant IEC standard with year of publication 4. Name, trademark and Identification of manufacturer 5. Size 6. Class/ Maximum rated working potential in volts 7. Category of gloves 8. Month and Year of manufacture 9. Lot number <p>Outside of the package shall be marked with</p> <ol style="list-style-type: none"> 1. Name of manufacture with trade mark. 2. Month and Year of manufacture. 3. Material name with item code 4. Size, Class and category of gloves/ Maximum rated working potential in volts. 															
7.0	TESTS	<p>All routine, acceptance & type tests shall be carried out in accordance with the relevant IS/IEC.</p> <p>All acceptance tests shall be witnessed by TPCL, Bhubaneshwar authorized representative.</p> <p>All the components and fittings shall also be type tested as per the relevant standards.</p>															
7.1	TYPE TEST	<p>Following type test shall be carried out as per procedure mentioned in relevant standards:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Test</th> <th>Reference Standard</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Visual and Dimensional Inspection</td> <td>IEC/EN 60903 cl. 5.2</td> </tr> <tr> <td>2.</td> <td>Tensile Strength</td> <td>IEC/EN 60903 cl. 5.5.2</td> </tr> <tr> <td>3.</td> <td>Tension test</td> <td>IEC/EN 60903 cl. 5.5.4</td> </tr> <tr> <td>4.</td> <td>Puncture Resistance Test</td> <td>IEC/EN 60903 cl. 5.5.3</td> </tr> </tbody> </table>	S. No.	Test	Reference Standard	1.	Visual and Dimensional Inspection	IEC/EN 60903 cl. 5.2	2.	Tensile Strength	IEC/EN 60903 cl. 5.5.2	3.	Tension test	IEC/EN 60903 cl. 5.5.4	4.	Puncture Resistance Test	IEC/EN 60903 cl. 5.5.3
S. No.	Test	Reference Standard															
1.	Visual and Dimensional Inspection	IEC/EN 60903 cl. 5.2															
2.	Tensile Strength	IEC/EN 60903 cl. 5.5.2															
3.	Tension test	IEC/EN 60903 cl. 5.5.4															
4.	Puncture Resistance Test	IEC/EN 60903 cl. 5.5.3															

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 7 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

		5.	Elongation at break Test	IEC/EN 60903 cl. 5.5.2
		6.	Dielectric test	IEC/EN 60903 cl. 5.6
		7.	Aging test	IEC/EN 60903 cl. 5.7
		8.	Flame retardancy test	IEC 60903/EN cl. 5.8.2
		9.	Test on gloves with special properties	IEC/EN 60903 cl. 5.9
		10.	Cutting resistance	IEC/EN 60903 cl. 5.10.2
		11.	Abrasion resistance	IEC/EN 60903 cl. 5.10.1
		12.	Tear resistance	IEC 60903/EN cl. 5.10.3
		13.	Leakage current resistance	IEC/EN 60903 cl. 5.9.5
7.2	ROUTINE TEST	S.No.	Test	Reference Standard
		1.	Visual (free from cavity, voids, cuts, discoloring, patches, and other visual defects)	IEC 60903/EN cl. 5.2 and Specification ENG-GEN-4015
		2.	Dimensional Inspection	IEC 60903/EN cl. 5.2 and Specification ENG-GEN-4015
7.3	ACCEPTANCE TEST	S.No.	Test	Reference Standard
		1.	Visual (free from cavity, voids, cuts, discoloring, patches, and other visual defects)	IEC 60903/EN cl. 5.2 and Specification ENG-GEN-4015
		2.	Dimensional Inspection	IEC 60903/EN cl. 5.2 and Specification ENG-GEN-4015
		3.	Marking and Packing check	Clause 6.0 of ENG-GEN-4015
8.0	TYPE TEST CERTIFICATES	<ol style="list-style-type: none"> The bidder shall furnish the type test certificates as mentioned above as per the corresponding standards. All the tests shall be conducted at SATRA/ DGUV accredited lab. Any other international accreditation body shall be considered only after duly approval from TPCL, Bhubaneswar competent authority. Type tests must be conducted in certified Test laboratories during the period not exceeding 5 years from the date of opening the bid. In the event of any discrepancy in the test reports, i.e. any test report not acceptable same shall be carried out without any cost implication to TPCL, Bhubaneswar. 		
9.0	PRE-DISPATCH INSPECTION	<ol style="list-style-type: none"> Equipment shall be subject to inspection by a duly authorized representative of TPCL, Bhubaneswar. 		

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 8 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

		<ol style="list-style-type: none"> 2. Inspection may be made at any stage of manufacture at the option of TPCL, Bhubaneswar and the equipment if found unsatisfactory as to workmanship or material, the same is liable to rejection. 3. Bidder shall grant free access to the places of manufacture to TPCL's representatives at all times when the work is in progress. 4. Inspection by TPCL, Bhubaneswar or authorized representatives shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specifications. 5. Material shall be dispatched after specific MDCC (Material Dispatch Clearance Certificate) is issued by TPCL, Bhubaneswar. 6. Following documents shall be sent along with material: <ol style="list-style-type: none"> a) Test report b) MDCC issued by TPCL, Bhubaneswar c) Invoice in duplicate d) Packing list e) Guarantee / Warrantee card f) Delivery Challan g) MSDS (material safety data sheet) h) Other Documents (as applicable)
10.0	INSPECTION AFTER RECEIPT AT STORE	<p>The material received at TPCL, Bhubaneswar store shall be inspected for acceptance and shall be liable for rejection, if found different from the reports of the pre-dispatch inspection and one copy of the report shall be sent to Engineering department.</p> <p>The gloves received at Stores should not exceed 3 months from the date of manufacturing.</p>
11.0	GUARANTEE:	<ol style="list-style-type: none"> 1. Bidder shall stand guarantee towards design, materials, workmanship & quality of process/ manufacturing of items under the contract for due and intended performance of the same, as an integrated product delivered under this contract. 2. If any defect is found up to a period of 36 months from the date of manufacturing, supplier shall be liable to replace the gloves at their own costs. 3. Property of gloves shall not be degraded within specified shelf life, else bidder will have to replace the glove at their own cost.
12.0	PACKING	<ol style="list-style-type: none"> 1. Each Pair of gloves shall be packed in individual package of sufficient strength to protect the gloves from damage. 2. Bidder shall ensure that all the equipment covered under this specification shall be prepared for rail/road transport in a manner so as to protect the equipment from damage in transit. 3. The material should be packed in individual box in such a way that the shape of Gloves does not get deformed or damaged during transportation and storage. 4. User instructions shall be provided with each glove in English language. <p>Note: Single use plastic not to be used for packing of the material.</p>

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 9 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

13.0	TENDER SAMPLE	One pair of Sample to be submitted free of cost during technical bid submission.						
14.0	TRAINING	NA						
15.0	DRAWINGS AND DOCUMENTS	<p>Following drawings and documents shall be prepared based on TPCL specifications and statutory requirements and shall be submitted with the bid:</p> <ol style="list-style-type: none"> a. Completely filled in Technical Particulars and compliance to each clause of the specification. b. Type test certificates. <p>Drawings / documents to be submitted after the award of the contract are as under:</p> <ol style="list-style-type: none"> 1. Technical Parameters as asked in Specification. 2. Instructions for use 3. Quality Assurance plan. 4. MSDS (material safety data sheet) <p>All the documents shall be in English language.</p>						
16.0	GUARANTEED TECHNICAL PARTICULARS	Bidder shall comply with this specification clause by clause.						
17.0	SCHEDULE OF DEVIATIONS							
<p><u>(TO BE ENCLOSED WITH THE BID)</u></p> <p>All deviations from this specification shall be set out by the Bidders, clause by Clause in this schedule. Unless specifically mentioned in this Schedule, the tender shall be deemed to confirm TPCL's specification:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S.No.</th> <th style="width: 30%;">Clause No.</th> <th style="width: 60%;">Details of deviation with justifications</th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td></td> <td></td> </tr> </tbody> </table> <p>We confirm that there are no deviations apart from those detailed above.</p> <p>Seal of the Company:</p> <div style="text-align: right; margin-top: 20px;"> <p>Signature</p> <p>Designation</p> </div>			S.No.	Clause No.	Details of deviation with justifications			
S.No.	Clause No.	Details of deviation with justifications						

TATA POWER COMPANY LIMITED, BHUBANESHWAR			
TECHNICAL SPECIFICATION			
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.		Eff. Date:	
Revision No.	00	Page 10 of 10	
Prepared By:	Reviewed By:	Approved By:	Issued By :

ANNEXURE-I

INSPECTION TEST PLAN

S No.	Tests	Specified Value	Reference documents	Test Results	Pass/Fail
1	Visual (free from cavity, voids, cuts, discoloring, patches, and other visual defects)	As per Approved GTP/TPCL Specification and IEC/EN 60903.	As per IEC/EN 60903 cl. 5.2. Specification ENG-GEN-4015		
2	Dimensional Inspection	As per Approved GTP/TPCL Specification and IEC/EN 60903.	As per IEC/EN 60903 cl. 5.2. Specification ENG-GEN-4015		

	TATA POWER COMPANY LIMITED, BHUBANESHWAR		
	TECHNICAL SPECIFICATION		
Document Title	Standard Technical Particular: Electrical Insulating and Composite Safety Gloves		
Document No.			Eff. Date:
Revision No.	00		Page 11 of 10
Prepared By:	Reviewed By:	Approved By:	Issued By :

3	Marking, Packing and manufacturing date	As per TPCL Specification	Specification ENG-GEN-4015 Clause 6.0		
---	---	---------------------------	---	--	--

TPCL's OFFICER

BIDDER'S REPRESENTATIVE

DATE OF INSPECTION