

TENDER NOTIFICATION

for

Rate Contract for Supply of 1-Phase & 3-Phase Meter Box

Tender Enquiry No.: TPNODL/OT/2021-22/059;

Due Date for Bid Submission: 13.09.2019, 16:00 Hrs

TP NORTHERN ODISHA DISTRIBUTION LIMITED
(A TATA Power and Odisha Government Joint Venture)
Contracts & Material Management Department,
Corporate Office, Januganj, Balasore-756019



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1.0 Event Information

1.1 Scope of work

E-Tenders are invited in Two Bid system from interested bidders to place a Rate Contract for supply, design, engineering, manufacture, shop testing at manufacturer's works, packing, loading, transportation, transit insurance and unloading at TPNODL site/store of "1-Phase & 3 Phase meter box" in accordance with the enclosed technical and commercial specifications" as per following details.

S. No.	Description	EMD	Tender Fee	RC Validity
1	Supply of 1-Phase meter box	Rs. 7		
2	Supply of 3-Phase meter box	Lac	Rs.5,000	2 Years

1.2 Availability of Tender Documents

Procedure to participate in tender:

Following steps to be done before "Last date and time for Payment of Tender Fee" as mentioned:

- Any pre-bid query regarding the tender shall be sent through mail to <u>supriya.panigrahi@tpnodl.com</u> with copy to <u>vipin.Chauhan@tpnodl.com</u> before last date and time for Pre-bid query submission in TPNODL Pre-bid query format.
- 2. The response to the queries will be provided in www.tpnodl.com against the corresponding tender.
- 3. Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letter head indicating
 - a. Tender Enquiry number
 - b. Name of authorized person
 - c. Contact number



- d. E-mail id
- e. Details of submission of Tender Fee
- f. GST Registration No
- 4. Non-Refundable Tender Fee, as indicated in table above, to be submitted in the form of Direct Deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference/ Enquiry Number –

Beneficiary Name - TP Northern Odisha Distribution Limited

Bank Name - Union Bank of India

Branch Name - Balasore Branch

Account No - 500601010280332

IFSC Code – UBIN0550060

E-mail with necessary attachment to be sent to supriya.panigrahi@tpnodl.com with copy to vipin.Chauhan@tpnodl.com before last date and time for payment of Tender Fee.

Interested bidders to submit Tender Fee and Authorization Letter before Last date and time as indicated in the event calendar, after which link from TPNODL E-Tender system (Ariba) will be shared for further communication and bid submission.

Please note all future correspondence regarding the tender, bid submission, bid submission date extension etc will happen only through TPNODL E-Tender system (Ariba). User manual to guide the bidders to submit the bid through E-Tender system (Ariba) is also enclosed.

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

Also it may be strictly noted that once date of "Last date and time for Payment of Tender Participation Fee" is lapsed no Bidder will be sent link from TPNODL E-Tender System (Ariba). Without this link vendor will not be able to participate in the tender. Any last moment request to participate in tender will not be entertained.

Any payment of Tender Fee / EMD by Bidder who have not done the prerequisite will not be refunded.

Also all future corrigendum to the said tender will be informed on Tender section on website https://www.tpnodl.com

1.3 Calendar of Events

(a)	Date of sale of detailed bid	From 24.08.2021 to 11.09.2021
	documents/ hosting of detailed bid	1 10111 2 11001202 1 10 1 11001202 1



	documents in TPNODL website	from 11:00 Hrs. to 15:00 Hrs on working days.
(b)	Last Date of receipt of pre-bid queries, if any	3.09.2021 up to 16:00 Hours
(c)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	06.09.2021 up to 17:00 Hours
(d)	Last date and time of receipt of Tender fees	11.09.2021 up to 17:00 Hours
(d)	Last date and time of receipt of Bids	13.09.2021 up to 16:00 Hours
(e)	Date & Time of opening technical bids & EMD	13.09.2021 at 16:30 Hours
(f)	Date & Time of opening of Price of qualified bids	Will be notified to the successful bidders through our website / mail.

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 TPNODL office, the last date of submission of bids and date of opening of bids will be the following working day at appointed times.

1.4 Mandatory documents required along with the Bid.

- 1. EMD of requisite value as mentioned above.
- 2. Tender fee (RTGS/NEFT) in case tender is downloaded from website
- 3. Duly signed copy of TENDER as an acceptance to all terms and conditions as mentioned in this TENDER.
- 4. Balance sheet as mentioned in Qualification Criteria
- 5. Work executed details as per Qualification Requirement along with supporting documents
- 6. Drawing, Type Test details and copies if required
- 7. Commercial specification details as per attached sheet
- 8. Schedule of Deviations as per attached sheet
- 9. Proper authorization letter to sign the tender on the behalf of bidder shall accompany the bid.

In absence of any of the above documents bid is liable to be rejected.

1.5 Deviation from Tender

Bidder shall necessarily submit a signed and stamped copy of this TENDER (in original) as a token of acceptance of all the terms and conditions of this TENDER. Replication of this TENDER on bidders' document shall not be acceptable. Normally no deviation is

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accepted to TENDER document supplied with the bid & bid with deviation is liable to be rejected. However, in case of any deviations to this TENDER, all such deviations shall be furnished by the bidders in the schedule of Deviations attached as Annexure III and submit the same as a part of the Technical Bid.

1.6 Right of Acceptance/Rejection

Bids would be rejected in absence of following documents:-

- 1. EMD of requisite value
- 2. Tender fee of requisite value
- The offer does not contain prices indicating break up towards all taxes & duties
- 4. Complete technical details are not enclosed
- 5. Tender is received after due date and time
- 6. Tender is not received as per terms and conditions of tender
- 7. Samples of meter box as detailed below

TPNODL reserves the right to accept/reject any or all the bids without assigning any reason thereof. Joint venture bids are not allowed.

1.7 Qualification Criteria

Bidder should the following minimum qualifications to submit a Proposal:

- 1) The bidder should have average annual turnover of Rs.1 Crore in last three years (FY 17-18, FY 18-19 and FY 19-20). Copy of audited Balance Sheet and P&L Account to be submitted in this regard.
- 2) The bidder should have own manufacturing facility for manufacturing of meter Boxes. Self-certification/Undertaking has to be submitted for the same along with the bid.
- 3) The bidder should have supplied 1 lac nos. of meter boxes (1ph/3ph) during the last 5 FY years (FY 15-16, FY 16-18, FY 17-18, FY 18-19, FY 19-20,). Order copies /completion certificates to be submitted.
- 4) The bidder should have in-house testing facility for acceptance test as per TPNODL specification. Self-certification/Undertaking has to be submitted for the same along with the bid.

TPNODL reserve the right to conduct Factory visit of new/existing bidder to access their capabilities & capacity, to successfully execute the work covered under the scope of work within stipulated completion period. This assessment shall inter-alia include document verification, manufacturing facilities visit, manufacturing/repairing capacity, details of plant & machinery, manufacturing and testing facilities, manpower and financial resources, details of quality systems, past experiences and performance. Decision of TPNODL shall be binding on all bidders.

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, we reserve 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 restricts a bidder to length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- 1. Failure to honour prices submitted to the marketplace
- 2. Breach of terms of the 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 TPNODL. This includes all bidding all bidding information submitted.

All tender documents remain the property of TPNODL and all suppliers are required to return these documents to TPNODL upon request.

Suppliers who do not honor these confidentiality provisions will be excluded from participating in future bidding events.

2.0 <u>Evaluation Criteria</u>

- The bids will be evaluated technically on the compliance to tender terms and conditions.
- If Qualified technically, the bids will be evaluated commercially on the line item basis lowest cost as calculated in Schedule of Items [ANNEXURE I]. TPNODL however, reserves the right to split the order line item wise and / or quantity wise, among more than one Bidder. Hence all bidders are advised to quote their most competitive rates.
- Bidder has to mandatorily quote as per Schedule of Items [Annexure-I]. Failing to do so TPNODL may reject the bid.

NOTE: In case of a new bidder not registered, existing sites shall be visited by TPNODL officials for confirming overall performance of the BA. However TPNODL reserves the right to carry out sites inspection and evaluation for any bidder prior to technical qualification. In case a bidder is found as Disqualified in the sites visit evaluation, their bid shall not be evaluated any further and shall be summarily rejected. The decision of TPNODL shall be final and binding on the bidder in this regard.

2.1 Price Variation Clause: The year wise prices as finalized shall remain firm during the entire contract period.

3.0 Submission of Bid Documents

3.1 Bid Submission



Bidders are requested to submit their offer in line with this Tender document. TPNODL shall respond to the clarification raised by various bidders and the replies will be sent to all participating bidders through Email/website.

"EMD" of Rs 7,00,000/- (Rupees Seven Lakh Only) valid for 210 days from the due date of bid submission in the form of BG favoring TPNODL in the format as mentioned in General Condition of Contract. Soft copy should be uploaded in the EMD folder and hard copy should be submitted to TPNODL before due date. In case Bidder submitting DD, same shall be submitted through NEFT/RTGS only. E-payment details as mentioned above.

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

Beneficiary Name - TP Northern Odisha Distribution Limited

Bank Name - Union Bank of India

Branch Name - Balasore Branch

Account No - 500601010280332

IFSC Code – UBIN0550060

In case the EMD is in the form of BG, **EMD Original Hard Copy** shall be delivered at the following address in Envelope clearly indicating Tender Reference Number, Name of Tender and Bidder Name before opening of the Bid.

The Envelop shall be addresses to:

H.O.D. (Contracts) TP NORTHERN ODISHA DISTRIBUTION LIMITED (A Tata Power and Odisha Government Joint Venture) Corporate office: Januganj, Balasore, Odisha-756019

The envelop shall also bear the Name & Address of the bidder along with our Tender No. and subject.

"TECHNICAL BID" should be uploaded in the assigned folder of Technical Bid and shall contain the following:

- a) Detailed list & description of offered materials and services
- b) Filled in data sheets and schedules of technical particulars
- c) Type test reports.
- d) Set of catalogues, drawings, write-ups etc.
- e) Schedule of General Particulars
- f) Schedule of Technical Deviations
- g) Schedule of delivery, commercial terms and conditions
- h) Experience list &Declaration
- i) Schedule of deviations

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TENDER SAMPLE: Bidder has to manufacture 2 nos. sample of 1-Phase & 3 Phase meter box as per Technical Specifications and submit to following address and receipt of the same to be submitted along with tender while bid opening.

1) 1 no. 1-phase meter box & 1 no. 3-Phase meter Box at MMG Office, TPNODL Corporate Office.

Without samples the tender shall be consider as incomplete and shall be rejected.

"PRICE BID" should be uploaded in the assigned folder of Price Bid and shall contain only the price details and strictly in format enclosed indicating break up of basic prices, Taxes & duties, Freight etc. Price bid should not be uploaded in any folder other than assigned folder for price bid.

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

The Bidder has the option of sending the Bids in person. Bids submitted by Email/Telex/Telegram /Fax will be rejected. No request from any Bidder to the TPNODL to collect the proposals from Courier/Airlines/Cargo Agents etc shall be entertained by the TPNODL.

SIGNING OF BID

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 the 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



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 TPNODL website by the stipulated timelines as detailed in calendar of events.

Communication Details:

Package Owner - Contracts

Name: Ms. Supriya Panigrahi

Contact No.: 8895590483

E-Mail ID: supriya.panigrahi@tpnodl.com

HOD Contracts

Name: Mr. Vipin Chauhan

Contact No: 9717393121

E-Mail ID: vipin.chauhan@tpnodl.com

3.3 Bid Prices

Bidders can quote for the entire Scope of Supply/ work or specific line items with a break up of prices for individual items and Taxes & duties. The total bid price shall also cover all the supplier's mentioned in or 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 with taxes, duties & freight up to destination at various sites of TPNODL.

The 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 in Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated but are required to complete the job, shall be deemed to be included in prices quoted.

The rate contract shall be valid for a period of 2 years.

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 TPNODL 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 allowed to modify or withdraw its bid till the due date of tender.

3.8 Earnest Money Deposit (EMD)

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

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

- a) Banker's Cheque /NEFT/RTGS in favor of TPNODL, payable at Balasore.
- b) Bank Guarantee valid for 210 days after due date of submission.

The EMD shall be forfeited in case of:

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

Or

- b) The case of a successful bidder, if the Bidder does not
- i) accept the purchase order, or
- ii) Furnish the required performance security BG.

3.9 Type Tests

The type tests specified in TPNODL specifications should have been carried <u>out within</u> <u>five years prior to the date of bidding</u> 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.

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

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other persons not officially concerned with such process. Any effort by a Bidder to influence the TPNODL processing of Bids or award decisions may result in the rejection of the Bidder's Bid

4.2 Technical bid opening

Bids shall be opened as per the schedule mentioned in Calendar of Events. In case of limited tenders, the bids shall be opened internally by TPNODL. Owing to COVID Scenario, in case of Open Tenders also, the bids shall be opened internally by TPNODL. Technical bid must not contain any cost information whatsoever.

First the "EMD" will be checked. 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. The salient particulars of the techno commercial bid will be read out at the sole discretion of TPNODL.

4.3 Preliminary Examination of Bids/Responsiveness

TPNODL 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. TPNODL 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 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, TPNODL 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 TPNODL and/or the TPNODL and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

4.4 Techno Commercial Clarifications

After scrutiny of qualifying criteria, techno commercial criteria offered by the bidder, clarifications will be sought from the bidders for any deviations with respect to the TPNODL specifications and attempt will be made to bring all bids on a common footing. After all techno commercial issues are clarified, the date of price bid opening will be

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intimated to the technically accepted bidders and same shall also be notified at TPNODL website.

4.5 Clarification Of bids

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

4.6 Price Bid Opening

Price bids will be opened at the stipulated date and time. 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 TPNODL without any further correspondence in this regard.

4.7 Reverse Auctions

TPNODL 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 and reserves the rights to conduct the manual negotiation with the BA who is declared L1 after Reverse Auction. 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

TPNODL 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 4.3 above. The decision to place award of contract order/LOI solely depends on TPNODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPNODL may deem relevant.

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

In case any BAs is found unsatisfactory during the Contract period, the award will be cancelled and TPNODL reserves the right to award other BAs 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. Post Award Contract Administration (Clause 7.0)
- 3. Submission of Bid Documents (Clause 3.0)
- 4. Scope of Work and SLA (Annexure VII)-If any
- 5. Technical Specifications (Annexure II)
- 6. Inspection Test Plan (Annexure VIII)-If any
- 7. Acceptance Form for Participation in Reverse Auction (Annexure VI)
- 8. General Conditions of Contract (Annexure IX)

7 Post Award Contract Administration

7.1 Drawing Submission & Approval

After award of contract the manufacturing sample (2 nos.) shall be submitted within 14 days and shall be approved by TPNODL within 1 week from date of receipt of sample.

7.2 Completion Period

Rate Contract for supply of "1-Phase & 3 Phase meter box" shall be placed. Validity of Rate Contract shall be 2 year from the date of release of RC.

Various Release Order for supply as per TPNODL system requirements shall be issued against Rate Contract.

Material shall be delivered within 45 days of Release Order placement / manufacturing clearance whichever is later.

The TPNODL reserve the right to depute their representative for inspection before dispatch. An advance written notice of two weeks for proposed inspection date/readiness of material shall be given to enable TPNODL to depute their representative for inspection OR ask for submission of test reports for approval before dispatch. No material shall be dispatch without written Material Dispatch Clearance Certificate (MDCC).

7.4 Guarantee Period

As per technical specification (ENG-LV-52 & 53). Guarantee period shall be started from date of receipt of material at side in good condition.

7.5 Payment Terms

As per GCC - Supply attached with this tender document..

7.6 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

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same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change.

7.7 Ethics

- TPNODL is an ethical organization and as a policy TPNODL 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.
- TPNODL 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 GCC attached at Annexure IX for more information.

Any ethical concerns with respect to this tender can be reported to the following e-mail ID: ceooffice@tpnodl.com

8 Specification and standards

The items supplied should conform to the standards and specifications of TPNODL specification as Annexure VI, unless otherwise specified in this tender.

9 General Condition of Contract

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

10 Safety

Safety related requirements as mentioned in our safety Manual put in the Company's website which can be accessed by: http://www.tpnodl.com

All Associates shall strictly abide by the guidelines provided in the safety manual at all relevant stages during the contract period.

All jobs are this tender have to be executed strictly in compliance to the Safety terms and Conditions of TP Northern Odisha Distribution Limited. Please refer attached



Safety terms and conditions, Annexure-X, for details. Violation of Safety norms will result in Penalty as mentioned in the above document.

11 List of Annexure

Annexure	Particulars
1.	Schedule for items
2.	Special Condition of Contract (SCC)
3.	Schedule of Deviations if any
4.	Commercial Specification
5.	Checklist of all the documents to be submitted with the bid
6.	Specification and standards
7.	Acceptance Form for participation in Reverse Auction Event
8.	General Condition of Contract



ANNEXURE I

Schedule for Items/Quantity

The bidder shall quote the prices strictly in the below format:

S	Material Description	HSN	Qty	Unit Ex Work Price	GST	All-incl. (FOR) Unit Price (Rs.)	Total= (Qty x All inclusive unit price) (Rs.)
No		Code	(EA)	(Rs.)	(Rs)	C=A+B	(Q x C)
			'Q'	'A'	'B'		
	1-Phase Meter Box as						
1	per Specification ENG-		3,18,000				
	LV-53						
	3-Phase Meter Box as						
	per Specification ENG-		33,000				
2	LV-52		00,000				
Total							-

Quantity may be changed at TPNODL discretion. We reserve the right to split the order quantity to any extent.

Prices quoted shall be firm and Rate Contract shall be valid for a period of 2 Year from the placement of contract. RO shall be placed as per the requirement of TPNODL.

BA to mandatorily provide the GSTN for the billing location. The order shall be issued only for the billing address:

GSTN	Billing Address

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ANNEXURE II

Special Condition of Contract (SCC)

- 1. Rate Contract shall be valid for a period of One Year from the placement of contract. RO shall be placed as per the requirement of TPNODL. **Delivery period shall be 45 days from date of receipt of release order / manufacturing clearance whichever is later**.
- 2. BA to fill check list also mentioned in tender.
- 3. BA shall note that CAT-A approval and sample manufacturing clearance both, shall be taken within one month of RC issuance. Otherwise TPNODL shall have right to forfeiture submitted EMD or PBG by BA.
- 4. Delivery period shall be 45 days from date of receipt of RO by BA.
- 5. BA to confirm the supplied Qty in One RO in one given delivery time.
- 6. Rate Contract Validity Period shall be 2 Year from date of issuance of Rate Contract.
- 7. TPNODL reserve the right to select at random sample from any of the lots offered for final inspection and send for any or all of the types tests specified in TPNODL specs to CPRI or ERDA. Failure in the type tests shall make the whole lot liable to be rejected and fresh lots are to be offered for inspection. Any delay in delivery and additional cost for further type testing shall be accountable to the bidder.
- 8. All the terms and conditions of TPNODL GCC shall be applicable.



ANNEXURE III

Schedule of Deviations

Vendor shall refrain from taking any deviations on this TENDER. Still in case of any deviations, all such deviations from this specification 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 <u>specifically</u> mentioned in this schedule, the tender shall be deemed to confirm the TPNODL'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 mentioned in the standard document except those as mentioned above.

Seal of the Company:

Signature



ANNEXURE IV Commercial Specification

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.	Octroi payable extra	Yes / No (If Yes indicate % rate)
1e.	Inclusive of transit insurance	Yes / No
2.	Delivery as per Tender	Yes / No
3.	Guarantee clause acceptable	Yes / No
4.	Terms of payment acceptable	Yes / No
5.	Performance Bank Guarantee acceptable as per attached GCC-Supply	Yes / No
6.	Liquidated damages clause acceptable	Yes / No
7.	Validity (180 days) from the date of opening of technical 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 Registration No)



ANNEXURE V

Checklist of all the documents to be submitted with the bid

Bidder has to mandatorily fill in the checklists mentioned below:-

S.No.	Documents attached	Yes/No/Not applicable
1	EMD of required value	
2	Tender Fee as mentioned in this RFQ	
3	Company profile/organ gram	
4	Signed copy of this RFQ as an unconditional acceptance	
5	Duly filled schedule of commercial specification	
6	Sheet of commercial/technical deviation if any	
7	Balance sheet for the last completed three financial years; mandatorily enclosing Profit & loss account statement	
8	Acknowledgement for Testing facilities (duly mentioned on bidder letter head)	
9	List of Machine/tools with updated calibration certificates	
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 (duly mentioned on bidder letter head)	
13	All the relevant Type test certificates as per relevant IS/IEC (CPRI/ERDA/other certified agency)	
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	
20	Samples for meter box	



Annexure VI

Technical Specification

(Attached separately with this tender)

Specification mentioned after GCC.

Annexure VII

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, TPNODL intends to use the reverse auctions as an integral part of the entire tendering process. All the bidders who are found

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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. TPNODL 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.** TPNODL will make every effort to make the bid process transparent. However, the award decision by TPNODL would be final and binding on the supplier.
- **3.** The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPNODL, 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 TPNODL.
- 6. In case of intranet medium, TPNODL shall provide the infrastructure to bidders. Further, TPNODL 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 TPNODL.
- 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 TPNODL 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 the auction event shall be considered by TPNODL.
- **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.

Signature & Seal of the Bidder



Annexure VIII

GCC Supply attached with this tender.

TONICODI	TP NORTHERN ODISHA DISTRIBUTION LTD			
TPNØDL	WORK INSTRUCTION /OPERATING GUIDELINES			
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Prepared By	Reviewed By	Approved By		
Imran Ahmad/ Swetaraj Parida	Vipin Chauhan	Sunil Bhattar		

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1.0 ORGANIZATIONAL VALUES

The Tata Group has always been a value driven organization. These values continue to direct the Group's growth and businesses. The six core Tata Values underpinning the way we do business are:

Integrity - We must conduct our business fairly, with honesty and transparency. Everything we do must stand the test of public scrutiny.

Understanding - We must be caring, respectful, compassionate and humanitarian towards our colleagues and customers around the world and always work for the benefit of India.

Excellence - We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of goods and services we provide.

Unity - We must work cohesively with our colleagues across the group and with our customers and partners around the world to build strong relationships based on tolerance, understanding and mutual co-operation.

Responsibility - We must continue to be responsible and sensitive to the countries, communities and environments in which we work, always ensuring that what comes from the people goes back to the people many times over.

Agility - We must work in a speedy and responsive manner and be proactive and innovative in our approach.

2.0 Tata Code of Conduct

The Business Associate and TPNODL shall be bound by the provisions/ clauses mentioned in Tata Code of Conduct (TCoC) in all their dealings with stakeholders. The Associate is advised to go through the TCoC document available as Annexure-J.

3.0 CONTRACT PARAMETERS

3.1 Issue/Award of Contract

TPNODL awards the contract to the Associate in writing in the form of Purchase Order (PO) or Rate Contract (RC), hereafter referred as Contract, through in any or all of following modes physical handover / post / e-mail / web document / fax with all the attachments/enclosures which shall be part of the contract document.

On receipt of the contract, the associate shall return to TPNODL copy of the contract document duly signed by legally authorized representative of associate, within two days of Effective Date of Contract for contracts having contract execution time less than 30 days and within five days for all other contracts.

Note- In case of RC though, further Release Orders (RO) shall be issued by TPNODL on RC rates and terms & Conditions as per the requirement of TPNODL.

3.2 Contract Commencement Date

The date of issue/award of contract shall be the Effective Date of Contract or Contract Commencement date.

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3.3 Contract Completion Date

The date of expiry of Guarantee Period shall be deemed as the Contract Completion Date.

3.4 Contract Period/Time

The period from Contract Commencement Date to Contract Completion Date shall be deemed as the Contract Period/Time.

3.5 Contract Execution Completion Date

The stipulated date for completing the supply as per schedule of quantities shall be deemed as the Contract Execution Completion Date.

3.6 Contract Price /Value

The total all inclusive price/value mentioned in the PO/RC is the Contract Price/Value and is based on the quantity, unit rates and prices quoted and awarded and shall be subject to adjustment based on actual quantities supplied and accepted and certified by the authorized representative of the company unless otherwise specified in schedule of quantities or in contract documents.

3.7 Contract Document

The Contract Document shall mean and include but not limited to the following:

- NIT/Tender Enquiry, QR, Instruction to Bidders, Special Condition of Contract (SCC) of tender, GCC, Technical & Commercial Specifications including relevant annexure and attachments).
- Bids & Proposals Received from Associate including relevant annexure/attachments.
- RC/PO with agreed deviations from the tender/bid documents.
- All the Inspection and Test reports, Detailed Engineering Drawings.
- Material Dispatch Clearance Certificate (MDCC).
- Minutes of Meeting (MoM)

3.8 Contract Language

All documents, instructions, catalogues, brochures, pamphlets, design data, norms and calculations, drawings, operation, maintenance and safety manuals, reports, labels, on deliveries and any other data shall be in English Language.

The Contract documents and all correspondence between the TPNODL, Third Parties associated with the contract, and the Associate shall be in English language.

However, all signboards required indicating "Danger" and/or security at site and otherwise statutory required shall be in English, Hindi, and local languages.

3.9 Reverse Auction

TPNODL 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 in Annexure F. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form as mentioned in the Annexure J as a token of acceptance for the same.

4.0 SCOPE OF WORK

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All the activities that are to be undertaken by the Associate to realize the contractual deliverables in completeness form Scope of Work. Following clauses list, but not limited to, major requirements of the scope of work.

The associate shall satisfy himself and undertake fully the technical/commercial requirements of items to be supplied as listed in the Schedule of Quantities together with the tests to be performed /test reports to be furnished before dispatch, arrangement of stage and final inspections during manufacturing as per terms and conditions of contract, technical parameters & delivery terms and conditions including transit insurance to be met in order to fully meet TPNODL's requirements.

<u>Completeness</u>: Any supplies and services which might have not been specifically mentioned in the Contract but are necessary for the scope mentioned in Special Terms & Conditions and/or completeness of the works at the highest possible level, including any royalties, license fees & compensation to be paid, whether incurred by the associates or by a third party for the work covered in the scope, regardless of when incurred, shall be supplied/provided by the associate without any extra cost and within the time schedule for efficient, smooth and satisfactory operation and maintenance of the works at the highest possible level under Indian conditions (but according to international standards for facility of this type), unless expressly excluded from the scope of supplies and services in this Contract.

TPNODL have the right, during the performance of the Contract, to change the scope and/or technical character of the Project and/or of the supplies and services stipulated in the Contract by submitting a request in writing to the Associate. The Associate shall, within fifteen days of receipt of such request from the TPNODL, provide Purchaser with a reasonably detailed estimate of the cost of the change outlined in the request.

In the event, TPNODL requests a change, the Contract price and time shall be adjusted upwards or downwards, as the case may be and shall be mutually agreed to. The associate shall not be entitled to any extension of time unless such changes adversely affect the time schedule.

The Associate shall not proceed with the changes as requested till adjustment of contract price and time schedule where so applicable in terms of or otherwise directed by the TPNODL.

4.1 Bid Evaluation- Commercial & Technical

TPNODL reserves the right to evaluate the bid on below parameters as per the requirement:

Commercial Evaluation: The bid shall be evaluated on the basis of Qualifying Requirement parameters and other commercial parameters as mentioned in tender.

Technical Evaluation: The bid shall be evaluated on the parameters and not limited to Bidder Experience, Bidder Performance with other utility/company, internal performance feedback, Technical Specification, General Technical Parameters (GTP), Layout, Drawings etc.

TPNODL reserves the right to carry out Factory Evaluation of Manufacturer along with the Visit to executed Sites for further evaluation to ascertain bidder's manufacturing capability, quality procedures & Performance of executed works.

5.0 PRICES/RATES/TAXES

Unless specified elsewhere in the contract document, the prices/rates are inclusive of cost of finished product for which MDCC will be issued by TPNODL, packaging and forwarding charges, freight and transit insurance charges covering loading at Associate's works,

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transportation to TPNODL store/site & unloading & delivery at TPNODL stores/TPNODL site, cost of documentation including all the relevant test certificates and other supportive documents to be furnished.

The Prices/Rates are inclusive of all taxes, levies, cess and duties, particularly Goods and Services Tax as applicable. All government levy / taxes shall be paid only when the invoice is submitted according to the relevant act.

The prices/rates shall remain firm till actual completion of entire supply of goods/material/equipment as per contract is achieved and shall remain valid till the completion of the contract.

The prices shall remain unchanged irrespective of TPNODL making changes in quantum in all or any of the schedules of items of contract.

5.1 Changes in Statutory Tax Structure

If rate of any or all of the statutory taxes and duties applicable to the contract changes, such changes shall be incorporated by default if the changes occur within the contract execution time and shall be applicable if the contract is executed by the Associate within the Contract Execution Time.

For execution of contracts beyond contract execution time, where the delay is not attributable to TPNODL no upward revision in tax /duties shall be considered irrespective of changes in the statutory tax structure either within the contract execution time or beyond. However, in such cases, benefits due to any downward revisions in statutory tax rates shall be passed on to TPNODL.

6.0 TERMS OF PAYMENT

On delivery of the materials in good condition and certification of acceptance by TPNODL official, Associate shall submit the Bills/Invoices in original in the name of "TPNODL Limited" to invoice desk, complete with all required documents as under:

- Test Reports (4 sets).
- MDCC issued by TPNODL.
- Packing List.
- Drawing and Catalogue.
- Guarantee/Warrantee Card.
- Delivery Challan.
- O&M Manual.
- Copy of Order.
- Minutes of Meeting.
- E-Way challan (if applicable)

Bills/ invoices shall mention Supplier's GST Number. TPNODL will make 100% payment within 30 days of submission of the Bill/Invoice complete in all respects and along with all the requisite documents mentioned above, subject to condition that Associate has furnished the requisite Security-cum-Performance Guarantee as stipulated in the contract.

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6.1 Quantity Variation

Payment will be made on the basis of actual quantity of supplies/actual measurement of works accepted by TPNODL and not on the basis of contract quantity.

6.2 Full and Final Payment

Full & Final Payment in all contracts shall be made subject to the associate submitting "No Demand Certificate" in the format as per Annexure-C.

7.0 MODE OF PAYMENT

Payment shall be made through crossed RTGS/ NEFT/ Online Net banking mode whichever of the two modes chosen by the Associate, in favour of Associate's Bank Account on TPNODL records, on whose name Contract has been issued. Those Associates opting for the RTGS mode shall submit the details of Bank Account and other details as per annexure G. Further, for any payments made, TPNODL is not responsible for any consequences/disputes Associate have among the owners channel partners, sub-Associates and all such dispute/concerns shall be settled solely by the Associate.

8.0 SECURITY CUM PERFORMANCE DEPOSIT

Associates shall submit within 15 days from the effective date of issue of PO/RC, Security Performance Bank Guarantee (SPBG) in the format as per Annexure B of this document from banks acceptable to TPNODL for:

- (a) 5% of the PO value if purchase order value is more than Rs 5 Crores.
- (b) 10% of the PO value if purchase order value is less than Rs 5 Crores.

This shall remain valid till the end of the Guarantee Period of contract, plus one month.

- (c) 5% of the RC value in case of Rate Contract. This shall remain valid till the Guarantee period plus one month.
- For PO/RC values less than Rs. 5 lacs, Associate may request for deduction of amount equivalent to SPBG value from their first invoice. Such amount shall be withheld by TPNODL while processing the invoice and shall be released after completion of Guarantee Period plus one month.
- For PO/RC values less than Rs. 3 lacs, the clause (8.0) for Security cum Performance Bank Guarantee (SPBG) shall not be applicable.
- In case of RC (Rate Contract) after the expiry of RC validity, Associate shall have to submit SPBG. However, the Associate has the option to re-submit the SPBG as per actual RO

(Release Order) value issued against the RC, valid for Guarantee Period plus one month. The Guarantee Period shall be considered as per the last RO issued against the said RC. The original SPBG as submitted against the RC shall be released on submission of the new SPBG to TPNODL. Alternatively, Associate may extend the validity of original SPBG only till the requisite period, i.e. Guarantee Period plus one month.

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9.0 STATUTORY COMPLIANCE

9.1 Compliance to Various Acts

Associate should ensure adherence to all applicable laws, rules and regulation applicable under this contract from time to time. In case of violation any risk, costs etc shall be in associates account and keep TDPPL indemnified always till completion of contracts.

9.2 SA 8000

As TPNODL is SA 8000 compliant, it expects its Associates to follow guidelines of SA 8000:2014 on the following aspects

- 1. Child Labour
- 2. Forced or Compulsory Labour
- 3. Health & Safety
- 4. Freedom of Association & Right to Collective Bargaining
- 5. Discrimination
- 6. Disciplinary Practices
- 7. Working Hours
- 8. Remuneration
- 9. Management System

9.3 Affirmative Action

TPNODL appreciate and welcome the engagement/employment of persons from SC/ST community or any other deprived section of society by their business associates.

Relaxation in Contract Clauses under Affirmative Action for SC/ ST Business Associates**

TPNODL believes that inclusive growth is the key to sustainable development, and to promote the same Policy on Affirmative Action for Scheduled Caste & Scheduled Tribe Communities has been adopted across the company.

Under the same pre-text, and to promote entrepreneurship among SC/ST community TPNODL has taken initiative by proposing relaxations in contract clauses as per below:

S. No	Initiative	for SC/ ST BA's	Guideline Document
1	Tender Fees	100% waiver for SC/ST community	All Open Tenders
2	Earnest Money Deposit	50 % relaxation of estimated EMD value	All limited and Open Tenders
3	Performance Bank Guarantee	50% relaxation in PBG for order value above 50 lacs else 25% relaxation	All limited and Open tenders
4	Turnover	25% relaxation in company turnover under qualifying requirement criteria	All Open Tenders

**Classification of BAs under SC/ST shall be governed under following guidelines:

 Proprietorship/ Single Ownership Firm: Proprietor of the firm should be from SC/ST community. Governing document shall be duly audited balance Sheet for the last FY bearing the name of proprietor.

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- Partnership Firm: Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed and audited balance sheet/ ITR for last FY.
- Private limited company: Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

Note: Certification from SC/ST commission shall be required for deciding upon SC/ST status of a person.

9.4 MSME Development ACT 2006

Provisions for Firms falling in The Micro, Small and Medium Enterprise Development Act 2006:-

- Business Associate is requested to inform the TPNODL if they fall under provisions of The Micro, Small and Medium Enterprises Development Act, 2006 legislation, and provide necessary documents to TPNODL. The Associate also needs to mention the relevant details on their invoice/ bill.
- Business Associate shall submit the self-undertaking of registration in MSME category at the time of bidding as well as on an annual basis to TPNODL, enabling them to avail the consequent benefits, failing which TPNODL may take appropriate action against such defaults.
- Business Associates falling in MSME category shall submit the Tender Fee when participating in TPNODL tenders. However, they are eligible to submit concessional EMD at 50% of the EMD otherwise applicable.

9.5 ISO 14001

The vendor to confirm whether their organization is ISO 14001 certified. If not, the Vendor must certify that the handling, use and disposal of their product/ by-products conform to practices consistent with sound environment management and local statues. The Vendor shall ensure that all the wastes are disposal in environmental friendly way with strict compliance to applicable laws including adherence to MoEF guidelines with respect to the disposal of batteries, lead waste, copper cables, ash, waste oil, e-waste etc. which shall be disposed through MoEF approved parties only. The vendor shall also dispose off the e-waste generated at the end of the product life cycle at its own costs and risk as per the MoEF guidelines/ Orders

10.0 QUALITY

10.1 Knowledge of Requirements

The Associate shall be deemed to have carefully examined and to have knowledge of the equipment, the general and other conditions, specifications, schedules, drawings, etc. forming part of the Contract and also to have satisfied himself as to the nature and character of the work to be executed and the type of the equipment and duties required including wherever necessary of the site conditions and relevant matters and details. Any information thus procured or otherwise obtained from TPNODL/Consultants shall not in any way relieve the Associate from his responsibility and executing the works in accordance with the terms of contract.

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10.2 Material/Equipment/Works Quality

The items / works under the scope of the Associate shall be of the best quality and workmanship according to the latest engineering practice and shall be manufactured from materials of best quality considering strength and durability for their best performance and, in any case, in accordance with the specifications set forth in this Contract. All material shall be new. Substitution of specified material or variation from the process of fabrication/construction/ manufacture may be permitted but only with the prior written approval of the TPNODL.

10.3 Adherence to Rules & Regulations

The Associate shall procure and/or fabricate/erect all materials and equipment in accordance with all requirements of Central and State enactment, rules and regulations governing such work in India and at site. This shall not be construed as relieving the Associate from complying with any requirement of TPNODL as enumerated in the Contract which may be more rigid than and not contrary to the above mentioned rules, nor providing such construction as may be required by the above mentioned rules and regulations. In case of variance of the Technical Specification from the laws, ordinance, rules and regulations governing the work, the Associate shall immediately notify the same to the TPNODL. It is the sole responsibility of the Associate, however, to determine that such variance exists. Wherever required by rules and regulations, the Associate shall also obtain the statutory authorities' approval for the plant, machinery and equipment to be supplied by the Associate.

10.4 Specifications and Standards

The Associate shall follow all codes and standards referred in the Contract Document. Codes and standards of other may be followed by the Associate with the prior written approval of TPNODL, provided materials, supplies and equipment according to the standard are equal to or better than the corresponding standards specified in the Contract.

Brand names mentioned in the Contract documents are for the purpose of establishing the type and quality of products to be used. The Associate shall not change the brand name and qualities of the bought out items without the prior written approval of the TPNODL. All such products and equipment shall be used or installed in strict accordance with original manufacturer's recommendations, unless otherwise directed by the TPNODL. In any circumstances the codes, specimen and standards prescribed by any government agency should not be violated.

11.0 INSPECTION/PARTICIPATION

11.1 Right to Carry Out Inspection

TPNODL reserves the right to send its representatives for inspection or participation at various stages of contract execution listed below, applicable as per contract construction.

- During basic design and detail engineering of material/ Equipment carried out by Associate /Outsourced Agencies.
- During manufacturing stages of the product at Associate's/Associate's Outsourced Agency's Plant/Facility.
- During Pre-dispatch Inspection and Testing of finished/manufactured product at Associate's/Associate's outsourced Agency's Plant/Facility.
- During Installation & Commissioning Activities/Stages.
- Prior to Clearing of the completed installation for commissioning.

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Any other stage as find appropriate by TPNODL during contract execution time.

All inspections and participations shall be carried out by TPNODL giving written intimation to the Associate or receiving appropriate advance written inspection call from the Associate, unless otherwise specified elsewhere in the contract document.

MDCC request shall be submitted by BA to TPNODL at least 7 days before inspection date.

11.2 Facilitating Inspection

The Associate shall provide all opportunities and information to TPNODL's engineers to get acquainted with the technical know-how and the methods and practices adopted by the Associate in basic and detail engineering. The Associate shall provide documents, drawings, calculations etc. as may be required by TPNODL's Engineers.

The Associate shall provide free of charge office accommodation, office facilities, secretarial services, communication facilities, general and drawing office stationary, etc. as may be reasonably required by the TPNODL's engineers. Similarly, facilities shall also be provided by Associate's outsource agencies/partners/authorized dealers (collectively termed as sub associates) if such basic and detail engineering activities are carried out in the design offices of sub-Associates.

The Associate shall be responsible for the safety of employees of TPNODL/Third Party Agency when they are at the Associate's /Associate's outsource agency's plant or facility for carrying out/witnessing inspection/testing. All statutory safety precautions as applicable shall be followed by the Associate during Inspection Testing. If TPNODL inspectors are not satisfied with the safety arrangements at the plant, TPNODL have the right to call off inspection till such time corrective action is taken by the Associate.

Before raising the call for pre-dispatch final inspection and testing, the Associate shall conduct all the tests—type tests, routine tests etc-as specified in the contract document and submit copies of the test certificates to TPNODL along with the inspection call, for scrutiny of TPNODL.

The Associate and TPNODL shall jointly document all the observations, comments and action points after completion of inspection and it shall be binding on the Associate to provide compliance on all the points requiring compliance and furnish the compliance report to the designated authority of TPNODL for receiving clearance for dispatch of materials

11.3 Third Party Nomination

TPNODL also may nominate a third party for the purpose of carrying out the inspection and such an agency shall be entitled to all the rights and privileges of TPNODL as far as conducting the inspection.

11.4 Waiver of Inspections

TPNODL on its own discretion shall chose to waive off any inspection and ask the Associate to submit all the test reports as applicable as per contract specifications, related to inspection and testing of the goods ordered for scrutiny and clearance for dispatch.

11.5 Incorrect Inspection Call

In case it is observed that the material offered for inspection is not ready at the time of TPNODL inspection visit rendering it as futile, all costs towards such inspection shall be recovered from the BA. Taxes as applicable on such recoveries shall be borne by the BA.

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12.0 MDCC & DELIVERY OF MATERIALS

12.1 Material Dispatch Clearance Certificate

Associate shall deliver material/goods/equipment against Supply Contracts or Supply Part of Composite/Service Contracts only after receiving Material Dispatch Clearance Certificate (hereafter termed as MDCC) issued by designated authority of TPNODL. Material delivered at TPNODL stores or at project site without a valid MDCC issued by the designated official of TPNODL shall be rejected. MDCC shall be issued to associate furnishing compliance report on the action points documented during pre-dispatch inspection and testing at Associate's/ Sub Associate's plant/ facility. In case Pre-dispatch inspection is waived at the discretion of TPNODL, then, MDCC shall be issued on receiving all the test reports-routine& type-from the Associate and finding them in order.

The associate shall include and provide for securely protecting and packing the materials so as to avoid loss or damage during handling and transport by air, sea, rail and road or any other means.

All such packing shall allow to the extent possible for easy removal and checking at Site. The associate shall take special precautions to prevent rusting of steel and iron parts during transit by sea. Gas seals or other materials shall be utilized by the associate for protection against moisture during transit of all Plant and Equipment.

Each Equipment or parts of Equipment shall be tagged with reference to the assembly drawings and corresponding part numbers. Each bale or package shall contain a packing note quoting specifically the name of the associate, item description, quantity, item / package identification.

All packing cases, containers, packing and other similar materials shall be new and supplied free by the associate and it shall not be required to be returned to the associate.

Notwithstanding anything stated in this clause, the associate shall be entirely responsible for loss, damage or depreciation or deterioration to the materials and supplies due to faulty and/or insecure packing or otherwise during transportation to the Site until otherwise provided herein.

In case of the consignments dispatched by road, the associate shall ensure that it or its subcontractors:

- i) Identify and obtain the correct type of trucks/trailers, keeping in view the nature of consignments to be dispatched.
- ii) Take such actions as may be necessary to avoid all possible chances of damages during transit and to ensure that all packages are firmly secured.

Timelines for inspection and MDCC is as below:

S. No.	Inspection	MDCC issuance time including Inspection time (max.)
1	Outside Odisha	12 days
2	Within Odisha	5 days
3	Waiver*	3 working days

^{*} Associate is expected to raise the inspection call assuming that Inspection shall be carried out by TPNODL. The decision for waiver of inspection shall be on sole discretion of TPNODL.

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12.2 Right to Rejection on Receipt

Goods/Material/Equipment delivered in condition physically damaged & incomplete as a product ordered, or not packed and transported as per the terms and conditions of the contract is liable to be rejected. Such item shall be lifted back by Associates within 15 days from receipt of rejection note from TPNODL and have to supply back the material within next 30 days or within the timeframe mutually decided by Associate and TPNODL.

If delivery of the material is beyond the agreed time, Liquidated damage clause, mentioned in this GCC separately shall be applicable; but the period for levy of LD shall be considered as per the original delivery schedule and not from the agreed timelines for material rectification.

12.3 Consignee

Unless otherwise specified in the Contract Document, Materials/Goods/Equipment shall be consigned to "Stores-In-Charge", TPNODL, Bhubaneswar.

12.4 Submission of mandatory documents on Delivery

Following documents shall be mandatorily submitted by BA along with supply of material to TPNODL stores/site:

S. No.	Documents	Requisite
1	Invoice copy in original	With all consignments
2	LR copy	Wherever required
3	Packing list	With all consignments
4	MDCC	With all consignments
5	Purchase order / Release order	Signed copy
6	Test certificates	With all consignments
7	Inspection/JVR report	In case pre-dispatch inspection is conducted
8	Device data in CD as per template for metering items	Wherever applicable

12.5 Dispatch and Delivery Instructions

S. No.	Instructions
1	Purchase order/ Release order no. shall be mentioned on invoice and on material
2	TPNODL material code and material description shall be mentioned in invoice and on material.
3	"Property of TPNODL" shall be embossed on material.
4	The material shall be properly sealed and packed in standard packing as per purchase order terms & conditions.
5	The weight and quantity of material shall be mentioned wherever applicable
6	The material supplied shall be co-related with the packing list.
7	The name plate detail on equipment shall include Material code, Material description, specification detail of material [as applicable], Serial No. Year of manufacturing, PO/RO no. and date, "PROPERTY OF TPNODL, Bhubaneswar", Guarantee period and Associate's name.

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8	In case of manual unloading, supplier / transporter shall deploy sufficient Labour for unloading the material at TPNODL central store. For heavy item(s), crane will be provided by TPNODL [unloading cost will be recovered from the associate].
9	The driver should have valid License and one helper in truck. All the documents of
	truck like registration papers, PUC etc. should be available in Truck.
10	BA representative should accompany the material and get it unloaded / stacked in
10	his presence wherever possible.

13.0 GUARANTEE

13.1 Guarantee of Performance

Associates shall stand guarantee that the equipment and material supplied under the contract is free from design, manufacturing, material, construction, erection & installation and workmanship & quality defects and is capable of its due, rated and intended quality performance, as an integrated product delivered under the contract, for a specific period termed as Guarantee Period(as elaborated elsewhere in this clause). The Associate should also guarantee that the equipment/material is new and unused except for the usage required for the tests and checks required as part of quality assurance.

13.2 Guarantee Period

The Guarantee Period will be equipment/service/work specific and shall be as specified in the Standard Specifications of TPNODL for the equipment/material/service/work and where standard specifications are not part of contract documents or guarantee period is not specified in the standard specifications,, the guarantee period shall be as per the Special Terms and Conditions of the Contract. In case of no mention of the guarantee period in standard specifications or SCC Guarantee Period will be 12 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier.

13.3 Failure in Guarantee Period (GP)

If the equipment and material supplied under the contract fails to perform its due, rated & intended quality performance, during the Guarantee period, the associate is liable to undertake repair/rectify/replace the equipment and material supplied within time frame specified in the SCC or elsewhere in the contract documents at associate's cost to make the equipment and material supplied/service or work rendered under the contract of performing its due, rated and intended quality performance. If Associate fails to repair/rectify/replace the equipment or material supplied rendered under the contract, failed in Guarantee Period, TPNODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPNODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.

If during the Warranty/ Guarantee period some parts of the supplies are replaced owing to the defects/ damages under the Warranty, the Warranty period for such replaced parts shall be until the expiry of twelve months from the date of such replacement or renewal or until the end of original Guarantee period, whichever is later.

Any repairs during the Guarantee Period shall be carried out by the Associate within 30 days of reporting the issue to Associate by TPNODL. However, if replacement of the Equipment is required, Associate shall notify the same to TPNODL within 7 days of reporting the issue by TPNODL. Thereafter, the total time for supply of new equipment/ material shall be equal to the original delivery period of that equipment/ material as specified in the Contract. In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated

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timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be.

13.4 Cost of repairs on failure in GP

The cost of repairs/rectification/replacement, required transportation, site inspection /mobilization/dismantling and re-installation costs as applicable, to be borne by Associate. The Associate has to ensure that the interruption in the usage of intended purpose of the equipment is minimized to the maximum extent In lieu of the time taken for repairs/rectification/replacement.

13.5 Guarantee period for Goods Outsourced

If the Associate outsources partly equipment/materials/services from third party as mutually agreed upon at the pre award stage of contract, TPNODL shall have the benefit of any additional guarantee period if provided by the third party for the part supplied/executed by them.

13.6 Latent Defect

Hidden defects in manufacturing or design of the product supplied and which could not be identified by the tests conducted but later manifested during operation of the equipment are termed as latent defects. Associates shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Company.

13.7 Support beyond the Guarantee Period

The Associate shall ensure availability of spares and necessary support for a period of atleast 10 years post completion of guarantee period of equipment supplied against the contract.

14.0 LIQUIDATED DAMAGES

- a) For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPNODL, as described below:
 - For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.
- b) For Supplies having phased delivery schedule as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPNODL, as described below:

For the purpose of calculating and applying LD, each delivery lot shall be considered separately. For delay of each week and part thereof, from the delivery schedule specified for the lot, 1% of the contract value corresponding to the undelivered quantity of the lot subject to a maximum of 10% of the total contract value of the subject lot. However, if full contractual quantity is not delivered within 130% of contract time for delivery, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be

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borne by Business Associate. In case of LD deduction, a GST invoice shall be issued by TPNODL as a proof of deduction/ recovery.

14.1 LD Waiver Request

Any request of LD waiver shall be submitted within thirty (30) days of deducting LD. Request submitted beyond the timeline shall not be entertained.

15.0 UNLAWFUL ACTIVITIES

The Associate shall have to ensure that none of its employees are engaged in any unlawful activities (whether covered under the scope of the present GCC or not) subversive of the TPNODL's interest failing which appropriate action (legal or otherwise) may be taken against the Associate by the TPNODL, in accordance with the terms of the present GCC.

16.0 CONFIDENTIALITY

Associate and its employees or representatives thereof shall strictly maintain the confidentiality of various information they come across while executing the contract as detailed below.

16.1 Documents

All maps, plans, drawings, specifications, schemes and other documents or information related to the Contract/Project and the subject matter contained therein and all other information given to the Associate by the TPNODL in connection with the performance of the contract shall be held confidential by the Associate and shall remain the property of the TPNODL and shall not be used or disclosed to third parties by the Associate for any purpose other than for which they have been supplied or prepared. The Associate may disclose to third parties, upon execution of confidentiality agreements, such part of the drawings, specifications or information if such disclosure is necessary for the performance of the Work provided such third parties agree in writing to keep such information confidential to the same extent and degree as provided herein, for the benefit of the TPNODL.

16.2 Geographical Data

Maps, layouts and photographs of the unit/plant including its surrounding regions showing vital installation for national security of country or those of TPNODL shall not be published or disclosed to the third parties or taken out of the country without prior written approval of the TPNODL and upon execution of confidentiality agreements satisfactory to the TPNODL with such third parties prior to disclosure.

16.3 Associate's Processes

Title to secret processes if any developed by the Associate on an exclusive basis and employed in the design of the equipment shall remain with the Associate. TPNODL shall hold in confidence such processes and shall not disclose such processes to the third parties without prior approval of the Associate and execution by such third parties of secrecy agreements satisfactory to the Associate prior to disclosure. Upon completion of contract, such processes shall become the property of the TPNODL. Title to technical specifications, drawings, flow sheets, norms, calculations, diagrams, interpretations of test results, schematics, layouts and such other information, which the Associate has supplied to the TPNODL under the Contract shall be passed on to the TPNODL. The TPNODL shall have the right to use these for construction, erection, start-up, Trial Run, operation, maintenance, modifications and/or expansion of the works including for the manufacture of spare parts.

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16.4 Exclusions

The provision of Clauses 16.1 to 16.3 shall not apply to information:

- Which at the time of disclosure are in the public domain which later on become part of public domain through no fault of the party concerned, or
- Which were in the possession of the party concerned prior to disclosure to him by the other party, or
- Which were received by the party concerned after the time of disclosure without restriction on disclosure or use, from a third party who did not acquire such information directly or indirectly from the other party or has no obligation of confidentiality for such information.

16.5 Violation

In case of violation of this clause, the Associate is liable to pay compensation and damages as may be determined by the competent authority of TPNODL.

17.0 INTELLECTUAL PROPERTY RIGHTS

If, in the course of performance of its functions and duties as envisaged by the scope of the present GCC, the Associate acquires or develops, any unique knowledge or information which would be covered, or, is likely to be covered within the definition of a trademark, copyright, patent, business secret, geographical indication or any other form of intellectual property right, it shall be obliged, under the terms of this present GCC, to share such knowledge or information with the TPNODL. All rights, with respect to, or arising from such intellectual property, as afore mentioned, shall solely vest in TPNODL.

Moreover, the Associate undertakes not to breach any intellectual property right vesting in a third party/parties, whether by breach of statutory provision, passing off, or otherwise. In the event of any such breach, the Associate shall be wholly liable to compensate, indemnify or make good any loss suffered by such third party/parties, or any compensation/damages arising from any legal proceeding/s, or otherwise. No liability of TPNODL shall arise in this respect, and any costs, damages, expenses, compensation payable by TPNODL in this regard to a third party/parties, arising from a legal proceeding/s or otherwise, shall be recoverable from the Associate.

18.0 INDEMNITY

The Associate shall at all times indemnify, keep indemnified and hold harmless the TPNODL and its officers, directors, employees, affiliates, agents, successors and assigns against all actions, claims, demands, costs, charges and expenses arising from or incurred by reason of any infringement of patent, trade mark, registered design, copy rights and/or industrial property rights by manufacture, sale or use of the equipment supplied by the Associate whether or not the TPNODL is held liable for by any court judgement. In this connection, the TPNODL shall pass on all claims made against him to the Associate for settlement.

The Associate assumes responsibility for and shall indemnify and save harmless the TPNODL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPNODL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under the Contract or for which the Associate has assumed responsibilities under the Contract including those imposed under any local or national law or laws, or in respect to all salaries, wages or other compensation for all

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persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract. The Associate shall execute, deliver and shall cause his Sub-Associate and suppliers to execute and deliver, such other further instruments and to comply with all the requirements of such laws and regulation as may be necessary there under to conform and effectuate the Contract and to protect the TPNODL.

The TPNODL shall not be held responsible for any accident or damages incurred or claims arising, due to the Associate's error there from prior to completion of work. The Associate shall be liable for such accidents and after completion of work for such accidents as the case may be due to negligence on his part to carry out Work in accordance with Indian laws and regulations and the specifications set forth herein.

19.0 LIABILITY & LIMITATIONS

19.1 Liability

Except for any specific liability which may be identified in the Contract and which may be payable hereunder, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods *unless caused by Associate's negligence, willful misconduct or breach of contract.*

If the Associate is a joint venture or consortium, all concerned parties shall be jointly and severally bound to the TPNODL for the fulfillment of the provisions of the Contract. The consortium or the joint venture shall designate one party as their leader, who will be the coordinator between the parties and TPNODL. The constituents & leader of the consortium or joint venture shall not be changed without the prior consent of TPNODL.

TPNODL shall have no liability or any special, incidental, indirect or consequential Damages for any loss of Business Contracts, revenues or other financial loss arising out of this Contract.

19.2 Limitation of Liability

The total liability of Associate against any contract shall be limited to the Total All Inclusive Contract Value.

20.0 FORCE MAJEURE

Force Majeure applies if the performance by either Party ("the Affected Party") of its obligations under Contract is materially and adversely affected.

"Force Majeure" shall mean any event or circumstance or combination of events or circumstances referred below and their consequences that wholly or partly prevents or unavoidably delays any Party in the performance of its obligations under this Agreement, but only and to the extent that such events and circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided even if the Affected Party had taken reasonable care:

- Act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, embargo, blockade, revolution, riot, bombs, religious strife or civil commotion, etc.
 Politically motivated sabotage, or terrorism, etc.
- Action or Act of Government or Governmental agency for which remedy is beyond the control of the affected parties.
 Any act of God.

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Note: Causes like power breakdown/ shortages/fire/strikes, accidents etc do not fall under Force Majeure.

Time being the essence of the Contract, if either party is prevented from the performance of its obligations in whole or in part due to an event of Force Majeure, then provided Notice of happening of any event by the Affected Party is given to the other party within seven (7) days from the date of occurrence of such event, which DIRECTLY has impact on works and submitted details and quantum of resulting effect, but at the same time had made all possible efforts to mitigate and overcome effects thereof, the Affected Party's performance under this Contract shall be suspended until such event ceases and the Scheduled Completion shall be delayed accordingly.

If Force Majeure event(s) continue for a period of more than three months, the parties shall hold consultation to discuss the further course of action.

Neither party shall be considered to be in default or in breach of its obligation under the Contract to the extent that performance of such obligation by either party is prevented by any circumstances of Force Majeure which arise after effective date of Contract.

Neither party can claim any compensation from the other party on account of Force Majeure.

21.0 SUSPENSION OF CONTRACT

21.1 Suspension for Convenience

TPNODL may, at any time and at its sole option, suspend execution of all or any portions of the schedule of items of contract to be supplied/work to executed by Associate under the contract by providing to the Associate atleast two business days written notice for contracts having contract completion period less than sixty days and atleast seven business days' notice for all other contracts.

Upon receipt of any such notice, the Associate shall respond as follows as applicable as per contract construction.

- Immediately discontinue further supply of material/goods specified in the suspension notice for supply contracts
- Immediately discontinue further service/work and supply of materials of those services/materials/work specified in the suspension notice for service /composite contract
- Promptly make every reasonable effort to obtain suspension, upon terms satisfactory to TPNODL, of all orders, outsourcing arrangements, and rental Contracts to the extent that they relate to performance of the portion of Work suspended by the notice.
- Protect and maintain the portion of the service/Work already completed, including the portion of the Work suspended hereunder, unless otherwise specifically stated in the notice.
- Continue delivering/carrying out the supply/service/work items as per contract conditions, which do not fall under purview of the suspension notice.

On receipt of resumption notice from TPNODL, the Associate shall resume execution of contract as specified in the resumption notice, within the time frame specified in the resumption notice.

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21.2 Suspension for Breach of Contract conditions.

TPNODL shall suspend execution of whole/or part thereof the contract till such time Associate complies with the conditions stipulated under section clause 22.1 for breach/default of contract conditions.

21.3 Compensation in lieu of Suspension

If the suspension of the contract in whole or in part is for convenience of TPNODL and not due to any breach of contract conditions by the associate, TPNODL at its discretion shall consider compensating all reasonable additional costs incurred by Associate in lieu of suspension of whole or part of contract, on representation of the Associate providing justified estimates of such additional costs and such estimates are found acceptable and approved by competent authority of TPNODL.

If the suspension of contract in whole or part thereof is due to breach of contract conditions (refer clause 22.1) by the Associate, Associate shall not be entitled for any compensation for any cost incurred in lieu of suspension of whole or part of contract and also shall be liable for compensating all the losses arising to TPNODL in lieu of suspension of contract. Resumption notice shall be subject to the Associate taking corrective action for the breach of contract conditions within the time frame and as per the terms specified in the suspension notice.

22 TERMINATION OF CONTRACT

22.1 Termination for Default/Breach of Contract

The contract / PO /RC shall be subject to termination by TPNODL in case of breach of the contract by the Associate which shall include but not be limited to the following:

- a. Withdrawal or intimation by the Associate of its intent to withdraw or surrender the execution / completion of the contracted work /PO or failure in ensuring adherence to any delivery schedules, in deviation of the contract/PO.
- b. Refusal or neglect on the part of the Associate to supply material/equipment of quantity or quality as specified by TPNODL and within the timeframe as specified in the contract document or refusal or neglect to execute the services/work in terms of the agreed standards of quantity or quality and/or within the timeframe specified in the contract/PO.
- c. Failure in any respect to perform any portion of the Work contracted with promptness, diligence, or in accordance with the terms of the contract.
- d. Failure to furnish guarantees as specified and /or failure to comply with the terms thereof.
- e. Failure to furnish such relevant documents or information within the time specified which may be necessary for due execution / completion of the works and documentation.
- f. Liquidation, bankruptcy either voluntary or involuntary OR entering into any composition or compromise with its creditors, or Insolvency.
- g. In case any reasonable information has been received by TPNODL that Associate has adopted/ or attempted to adopt any unethical conduct, action in award of the contract /PO or at any time thereafter.
- h. Failure to comply with applicable statutory provisions as contained in the contract or failure to comply with the applicable laws.

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i. Failure to comply with safety regulations/clauses stipulated in the contract or as may be generally instructed by TPNODL.

If the default or breach as specified under clause 22 (except sub clause g thereof) be committed by the associate for the first time, TPNODL shall issue, along the with notice of default or breach, a warning notice instructing the associate to take remedial/corrective action within the time frame stipulated in the warning notice and not to repeat the same in future. The timeframe for corrective action by the associate shall be specific to the nature of breach of contract and the same shall not be objected to by the Associate. If the Associate fails to comply with the instructions in the warning notice or in taking corrective action to the satisfaction of TPNODL then TPNODL may terminate the entire or part of contract at its discretion by issuing termination notice without incurring any liability on this ground.

In case the contract is terminated for any breach of the nature specified in clause 22 g stated above, TPNODL shall have the right to terminate all the contracts TPNODL is having with the Associate by issuing termination notice which shall be without prejudice to the other rights of TPNODL available to it under law.

Without prejudice to its right to terminate for breach of contract, TPNODL may, without assigning any reason, terminate the Contract in whole or in part at any time at its discretion while the contract is in force by serving a written notice of two weeks to the Associate.

In the event of TPNODL having proceeded with termination of the contract the associate shall comply and proceed further in the following manner:

- a) Associate shall discontinue the supply, on the expiry of the said period of two weeks.
- b) Associate shall ensure that no further steps are being taken towards discharge of the obligations, terms and conditions as contained in the contract/PO. This shall include initiation of actions not limited to discontinuation of other allied and associated arrangements which the associate might have entered into with third parties for due discharge of its obligations under the contract with TPNODL.
- c) The Associate shall perform thereafter such tasks as may be necessary to preserve and protect the terminated portion of the material/service/work in progress and the materials and equipment at TPNODL sites or in transit thereto. However the associate shall continue to fulfill its contractual obligations with regard to the part of contract not terminated.
- d) It shall be open for TPNODL to conduct a joint assessment with the associate of the material, supplies, equipment ,works or in general as to the subject matter of the contract in regard to which the associate claims having completed its obligations before or during such termination.
- e) It shall be open to TPNODL to seek invocation of the performance bank guarantee or any other guarantee or other security deposit by whatever name called submitted by the associate, which shall not be objected to or protested against by the associate.

In case of termination of the contract the parties agree to be governed inter alia by the following:

a) In case TPNODL exercises its right of termination as stated above the associate shall not dispute or object to the same.

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- b) The Associate shall be entitled to receive and claim only such payments OR sums of money from TPNODL as may be found payable to it in regard to works executed by it under the terms of the contract and no other claim of any nature whatsoever shall be made by the Associate.
- c) All such provisions which the parties have agreed to survive and prevail even after termination of the contract shall remain effective despite the termination.

In the event of such termination, TPNODL may finish the Work by whatever method it may deem expedient, including the hiring of services and /or purchase of material equipment from such third parties as TPNODL may deem fit or may itself provide any labor or materials and perform any part of the Work. The associate undertakes to bear the incremental costs if any paid by TPNODL in such a case attributable to failure on the part of the associate. The Associate in such a case shall not be entitled to receive any further payments and any sums found payable to it may be adjusted by TPNODL against the amount recoverable from him on this ground. The same shall be without prejudice to other rights available to TPNODL under law against the associate.

Upon the termination of any of the contract due to occurrence of any circumstances provided in clauses stated above and constituting repeated breach or misconduct, TPNODL shall be entitled to bar the associates its agents, affiliates from undertaking any negotiation / tendering, bidding, participation activities concerning TPNODL for a period of two years from date of such termination. The same shall be without prejudice to other rights available to TPNODL.

22.2 Termination for Convenience of Associate

Associate at its convenience may request for termination of contract, clearly assigning the reason for such request. TPNODL has full right to accept, reject or partially accept such request. However, associate shall continue its supply as per contract till final approval is given to associates for such termination.

22.3 Termination for Convenience of TPNODL

TPNODL at its sole discretion may terminate the contract by giving 30 days prior notice in writing or through email to the Associate. TPNODL shall pay the Associate for all the supplies/ services rendered till the actual date of contract termination against submission of invoice by the Associate to that effect.

23.0 DISPUTE RESOLUTION & ARBITRATION

In case of any dispute or difference the parties shall endeavour to resolve the same through conciliatory and amicable measures within 15 Days failing which the matter may be referred by either party for resolution by the sole arbitrator to be appointed mutually by both the parties. The arbitral proceedings shall be conducted in accordance with Arbitration and Conciliation Act 1996 and the place of arbitration shall be Bhubaneswar. The language to be used at proceedings shall be English and the award of the arbitrator shall be final and binding on the parties. The parties shall bear their respective costs of arbitration. The associate shall continue to discharge its obligations towards due performance of the works as per the terms of the contract during the arbitration proceedings unless otherwise directed in writing by TPNODL or suspended by the arbitrator. Further, TPNODL shall continue making such payments as may be found due and payable to the associate for such works.

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23.1 Governing Laws and Jurisdiction

The parties shall be subject to the jurisdiction of the courts of law in Bhubaneswar and any matter arising here from shall be subject to applicable law in force in India.

24.0 ATTRIBUTES OF GCC

24.1 Cancellation

The Company reserves the right to cancel, add, delete at its sole discretion, all or any terms of this GCC or any contract, order or terms agreed between the parties in pursuance without assigning any reasons and without any compensation to the Associates.

24.2 Severability

If any portion of this GCC is held to be void, invalid, or otherwise unenforceable, in whole or part, the remaining portions of this GCC shall remain in effect.

24.3 Order of Priority

In case of any discrepancies between the stipulations in General Conditions of the Contract (GCC) and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated hereinabove while balance portion of respective clauses of GCC shall continue to be applicable.

25.0 ERRORS AND OMISSIONS

The Associate shall be responsible for all discrepancies, errors and omissions in the drawings, documents or other information submitted by him, irrespective of whether these have been approved, reviewed or otherwise accepted by the TPNODL or not. However any error in design/drawing arising out of any incorrect data/written information from TPNODL will not be considered as error and omissions on part of the Associate.

26.0 TRANSFER OF TITLES

The title of ownership and property to all equipment, materials, drawings & documents shall pass to the TPNODL on acceptance of material by store/site after Inspection.

However, such passing of title of ownership and property to the TPNODL shall not in any way absolve, dilute or diminish the responsibility and obligations of the Associate under this Contract including loss or damages and all risks, which shall vest with the Associate.

27.0 INSURANCE

The Contractor shall take out the Insurance Policies which shall cover all risks including the following, as applicable:-

- The value of the policy shall cover the total value of all the items till they are handed over to TPNODL.
- b) TPNODL shall be the principal holder of the policy. The Associate shall be the loss payee under the policy. Associate / Sub-contractor of the Associate shall not be holders or beneficiaries in the policy nor shall they be named in the policy. TPNODL reserves the exclusive right to assign the policy.
- c) While the payment of premium may be phased in agreement with the insurance company, at no time shall goods and services required to be provided by the associate shall remain uninsured in accordance with (a) above.

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- d) A copy of the Insurance policy shall be made available to TPNODL prior to first dispatch lot of any Equipment and policy shall be kept alive and valid at all times up to the stage of final acceptance.
- e) TPNODL reserves the right to take out whatever policy that is deemed necessary by him if the associate fails to keep the said policy alive and valid at all times and/or causes lapses in payment of premium thereby jeopardizing the said policy. The cost of such policy(s) shall be recovered / deducted from the amount payable to the associate.
- f) The policy shall ensure that the TPNODL's decision regarding replacement of goods damaged, lost or rendered unusable shall be final.

In all cases, the associate shall lodge the claims with the underwriters and also settle the claims and shall also notify TPNODL of any filed claims. However, the associate shall proceed with the repairs and/or replacement of the equipment/components without waiting for the settlement of the claims. In case of seizure of materials by concerned authorities, the associate shall arrange prompt release against bond, security or cash as required. TPNODL, upon request by the associate, will extend all reasonable assistance to the associate in such a case.

All the insurance claims shall be processed and settled by the associate and the missing/damaged items shall be replaced/repaired by them without any extra cost to TPNODL and without affecting the completion time.

28.0 SUGGESTIONS & FEEDBACK

We welcome all our Business Associates to write to us about their experience with TPNODL; be it our Company, our services or our people. Each and every concern, issue, query and suggestion from you will help us to become a better company to work with and shall help us develop a strong bonding of trust and a long term relationship with you.

You may send your feedback by filling up our Business Associate Feedback Form enclosed herewith as *Annexure-I*. You can also log on to our website www.tpnodl.com to provide your feedback.

- · Suggestions for us
- · Feedback form
- Knowledge Sharing/ Experience with TPNODL
- Any issues with TPNODL.

Submission of feedback form is mandatory before the release of final payment to the BA.

29.0 CONTACT POINTS

In case Business Associate needs information with respect to payments or has any grievances, same may be lodged by log on to our website www.tpnodl.com

30.0 LIST OF ANNEXURES

S. No.	Subject	Annexure
1.	Performa for Bid Security Bank Guarantee	А
2.	Performa for Performance Bank Guarantee (CP cum EP)	В

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3.	Performa for No Demand Certificate by Associate	С
4.	Performa For Application For Issuance of Consolidated TDS Certificate	D
5.	Business Associate Feedback Form	E
6.	Acceptance Form For Participation In Reverse Auction Event	F
7.	Form for RTGS Payment	G
8.	Vendor Appraisal Form	Н
9.	Manufacturer Authorization Form	L
10.	Tata Code of Conduct	6

ANNEXURE-A

PROFORMA FOR BID SECURITY BANK GUARANTEE

TP Northern Odisha Distribution Limited Balasore

W	HEREAS, (Name of the	Bidder)					
•	ereinafter called "the I	•		bid d	ated		_ for the
•	ender No. & Name of lled "the BID").	Contract)	.0			(h	ereinafter
K١	IOW ALL men	by these	presents	we	(Name	of	the
	Bank)		·	of	(Name	of	the
	Country)				having our	regis	tered
	office at		_(hereinafter c	alled "th	ne BANK) are b	ound i	unto
TF	NODL Limited (TPNOD	DL) in the sum	of		for wh	ich pay	/ment
we	ell and truly to be made signs by these presents	to the TPNODI					
SE	ALED with the Commo	n Seal of the s	aid Bank this $_$		day of	20	0
Th	e CONDITIONS of this	obligation are:					
i)	If the Bidder withdraws	s his Bid during	the period of I	oid valid	dity specified in	the Pr	oforma

ii) If the Bidder having been notified of the acceptance of his Bid by the TPNODL during the period of bid validity fails or refuses to furnish the Contract Performance Bank

period of bid validity fails or refuses to furnish the Contract Performance Bank Guarantee, in accordance with the Instructions to Bidders.

We undertake to pay the TPNODL upto the above amount upon receipt of its first written demand, provided that in its demand the TPNODL will note that amount claimed by it is due to it owing to the occurrence of one or both conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force upto and including the date (No of days as mentioned in tender enquiry) days after the closing date of submission of bids as stated in the Invitation to

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Bid or as extended by you at any time prior to this date, notice of which extension to the Bank being hereby waived, and any demand in respect thereof should reach the Bank not later than the above date.

DATE		SIGNATURE OF THE BANK	
WITNESS		SEAL	
(Signature, N	ame & Address) (A	At least 2 witnesses)	

ANNEXURE- B

PROFORMA FOR PERFORMANCE BANK GUARANTEE (CP cum EP)

(On Rs.100/- Stamp Paper) Note:
Format shall be followed in toto Claim period of one month must be kept up The guarantee to be accompanied by the covering letter from the bank confirming the signature to the guarantee
TP Northern Odisha Distribution Ltd.
Mumbai
CP cum EP BG No
Order/Contract Nodated
You have entered into a Contract No with M/s
(hereinafter referred to as "the Vendor") for the supply cum erection / civil work of (hereinafter referred to as" the said Equipment") for the price and on the terms and conditions contained in the said contract. In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 10% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose you have agreed to accept the guarantee.
In consideration thereof, we, hereby irrevocably and unconditionally guarantee to pay to you on demand but in any case before the end of five working days from the date of the claim and without demur and without reference to "the Vendor" such amount or amounts not exceeding the sum of Rs only) being% (percent) of the total value of the contract on receipt of your intimating that "the Vendor" has not fulfilled his contractual obligations. You shall be the sole judge for such

non-fulfillment and "the Vendor" shall have no right to question such judgment.

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- 4. You shall have the right to file / make your claim on us under the guarantee for a **further period of one month** from the date of expiry.
- 5. This guarantee shall not be revoked without express consent and shall not be affected by your granting time or any other indulgence to "the Vendor", which shall include but not be limited to, postponement from time to time of the exercise the same in you or any right which you may have against "the Vendor" and to exercise the same in any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this CHAPTER CONDITIONS OF CONTINUES guarantee by

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your exercising any of your rights with reference to matters aforesaid or any of them or by reasons of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or thing whatsoever which under the law would, but for this provision have the effect of relieving our bank from its obligation under this guarantee.

- 6. We also agree that you shall be entitled at your option to enforce this guarantee against our bank as a principal debtor, in the first instance, notwithstanding any other security or guarantee that you may have in relation to "the Vendor's" liabilities in respect of the premises
- 7. This guarantee shall not be affected by any change in the constitution of our Bank or "the Vendor" or for any other reason whatsoever.
- 8. Any claim / extension under the guarantee can be lodge-able at outstation banks or at Mumbai branch and claim will also be payable at Mumbai Branch (to be confirmed by Mumbai Branch by a letter to that effect in case BG is from the branch outside Mumbai).

 Notwithstanding anything herein contained, our liability under this guarantee is lir Rs (Rupees				
	only and the guarante shall be extended from Vendor".			, ,
10	. Unless a demand or c months from end date), we shall be	(expiry date) i.	e. on or before	(claim period
Da	ted at	this	day of	20
	CRAN	Bank's rul	ober stamp	
1.	Banks full address		Da	simpation of Cinnaton
			Des	signation of Signatory

Bank official number

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ANNEXURE-C

PROFORMA FOR "NO DEMAND CERTIFICATE" BY ASSOCIATE

(On Company's Letter head or with Company Seal)
(To be submitted by the Associate to TPNODL Accounts Department at the time of receipt of full and final payment)

(Certificate No. CCP/002)

Name of the Project Order/	
Contract No.	167
Dated	
Name of the Associate Scheme	60,
No. / Job No.	7.0
We, M/sacknowledge and confirm that we have received the to us from TPNODL, in respect of our a dated including amendments, if any satisfaction and we further confirm that we have no confirm that we have received the dated.	foresaid Order Noy, issued by TPNODL to our entire claim whatsoever pending with TPNODL in any correspondence, documents,
We are issuing this "NO DEMAND CERTIFICATE" in and with our free consent without any undue influence	
Place	Name
	(Company Seal)

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ANNEXURE-D

$\frac{\text{PROFORMA FOR APPLICATION FOR ISSUANCE OF CONSOLIDATED TDS}}{\text{CERTIFICATE}}$

To be printed on the letterhead

To,
TPNODL Limited,
Bhubaneswar
Sub: Application for issuance of Consolidated TDS Certificate for the FY
Dear Sir,
I / we hereby request / authorize you to issue me / us a consolidate TDS Certificate for the financial year against tax deducted at source by you from my / our payments / bills during the said year from time to time under Chapter XVII – B of the Income Tax Act, 1961. For and on behalf of Signature
Name
Address
Contact No. (Land Line)
(Mobile)
PAN#
Assessing authority

ATTACH THE COPY OF PAN CARD

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ANNEXURE-E

BUSINESS ASSOCIATE FEEDBACK FORM

With an objective to improve our internal processes and systems, and serve you better, we solicit your valuable feedback & suggestions. It is estimated that it will take about 10 minutes to complete this survey. We assure you that your feedback shall be kept confidential. Please send the duly filled feedback form in the "TPNODL addressed - attached envelop"

You are associated with us as			
☐ OEMs ☐ Service Contractor ☐ Material Service	uppliers	☐ Material & Manpower Supplier	
		,0,4	
You are associated with us for			
☐ Less than 1 year ☐ More than 1 year but le	ess than :	3 years	
		CP	
Your office is located at	<		
☐ Bhubaneswar ☐ Within 200 kms from Bhub	oaneswa	ar □ More than 200 kms fro Bhubaneswar	m
Your nearly turnover with TPNODL	7		
☐ Less than 25 Lacs ☐ 25 Lacs to 1 Crore	,	☐ More than 1 Cr.	
Additional Information			
Your Name			
Your Designation			
Your Organization			
Contact Nos.			
Email			

We once again thank you for your participation in this survey. Please spare 10 minutes to give your feedback on following pages (Section A to E)

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SECTION - A

(Please $\sqrt{}$ mark in the relevant box and give your remarks / suggestions / information for our improvement).

	vernent).						
		1	2	3	4	5	
S. No.	Parameters	Do Not Agree	Slightly in Agreement	In Fair Agreement	Mostly in Agreement	Fully Agree	Remarks/ Suggestion
1	You receive all relevant queries / tenders from us in timely manner.						
2	We provide you enough lead time to respond to our queries / tenders.						
3	We provide you adequate support (drawings, documents, clarifications, briefing etc.) to enable you meet our requirements.					3	
4	All following elements of our contract / purchase order are rational :						
4.1	Scope of Work						
4.2	Delivery / Execution Schedule						
4.3	Payment Terms						
4.4	Liquidated Damages						
4.5	Performance Guarantee						
5	Our purchase orders / contracts are simple, specific & easy to understand						
6	TPNODL demonstrate willingness to be flexible in administration of Contract / Purchase Order						
7	We provide timely responses / clarifications to your queries						
8	TPNODL representative you interact / coordinate with is adequately empowered to support you in meeting contractual obligations						
9	TPNODL provide you all necessary infrastructure support for timely and quality completion of work (including AMC)						
10	TPNODL Engineer-in-Charge timely certifies the jobs executed/ material supplied						
11	TPNODL Engineer-in-Charge efficiently supervises the job execution for timely completion of job						
12	BIRD (Bill Inward Receipt Desk) initiative has improved payment disbursement process						

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		1	2	3	4	5	
S. No.	Parameters		Slightly in Agreement	In Fair Agreement	Mostly in Agreement	Fully Agree	Remarks/ Suggestion
13	Our approach for Inspection and Quality Assurance effective to expedite project completion?						
14	TPNODL never defaults on contractual terms						20.
15	In TPNODL Contracts closure is done within set time limit						01
16	Our material receiving procedures are well defined and efficiently deployed to reduce mutual inconvenience						
17	Bank Guarantees are released in time bound manner) ,	
18	Our processes related to payment / account settlement are effective.)	
19	You get payments on time						
20	TPNODL Employees follow Ethical behaviour		C				
	COMIDIA						
	JENERAL O						

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SECTION - B

SECTION - B (Please rate the following parameters on a scale of 1 to 5, where 1 - Minimum; 5 - Maximum)

S. No.	Parameters	1	2	3	4	5	Remarks/ Suggestion
1	How do you rate courtesy/ empathy/ attitude level and warmth of TPNODL employees you interact with from following team?						
1.1	Project Engineering						
1.2	District / Zones						. C)
1.3	Projects/HOG (TS &P)						
1.4	Inspection & Quality Assurance						
1.5	Stores						
1.6	Metering & Billing						
1.7	Accounts / Finance						
1.8	Administration						
1.9	IT & Automation	,() (
2	How would you rate TPNODL in comparison to your other clients in terms of fairness of treatment and transparency with its Business Associates?	26					
3	How would you rate TPNODL in comparison to your other clients in terms of processes and systems to manage partnership with its Business Associates						
4	How would you rate TPNODL in comparison to your other clients in terms of building long term & mutually relations hip with its Business Associates						

SECTION - C

Please $\sqrt{}$ mark in the relevant box and give your remarks / suggestions / information for our improvement.

S. No.	Parameters	Certainly No	Probably No	Certainly Yes	Probably Yes	Remarks/ Suggestion
1	Based on your experience with TPNODL, would you like to continue your relationship with TPNODL?					
2	If someone asks you about TPNODL, would you talk "positively" about					

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	TPNODL?			
3	Would you refer TPNODL name to others in your community, fraternity and society as a professional & dynamic organization?			

SECTION - D

If we ask you to rate us on a scale of 1 to 10, how will you rate TPNODL, that truly represents your overall satisfaction with us (please tick appropriate box) -

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

SECTION - E

Please $\sqrt{}$ mark in the relevant box and give your remarks / suggestions / information for our improvement.

Please spare your thoughts for TPNODL's improvement in particular areas of weaknesses, particularly relating to some great practices, attitudes that you have seen elsewhere in Indian and International Organizations, which you recommend TPNODL to adopt. Please give your valuable salient recommendations.

Please spare your thoughts for TPNODL's improvement in particular areas of major concerns for you. We also welcome your suggestions to adopt any best practices, altitudes that you

Recommendation	Please tick ($$) your top 5 expectations out o listed below -	f the following 10 points
(Please list down improvement you expect from TPNODL)	Timely payment	
1	Flexibility in Contracts/PO	
	Clarity in PO,s & Contracts	
2	Timely response to quarries	
	Timely certification of works executed	
3	Clarity in Specs, drawings, other docs etc.	
	Adequate information provided on website for tender notification, parties qualified etc.	
4	Timely receipt of material at site for execution	
	Performance Guarantee/EMD released in time	

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5	Inspection & quality assurance support for
3	timely job completion

We thank you for your time and courtesy!! ANNEXURE-F

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder prior to participation in the auction event)

In a bid to make our entire procurement process more fair and transparent, TPNODL intends to use the reverse auctions through SAP-SRM tool 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. TPNODL 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. TPNODL will make every effort to make the bid process transparent. However, the award decision by TPNODL would be final and binding on the supplier.
- 3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPNODL, 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 TPNODL.
- 6. In case of intranet medium, TPNODL shall provide the infrastructure to bidders. Further, TPNODL 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 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 TPNODL.
- 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 TPNODL 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 the auction event shall be considered by TPNODL.
- 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.

Signature & Seal of the Bidder

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ANNEXURE-G

-	
То,	
DGM (Finance) TPNODL Limited Bhubaneswar	
Sub: e-Payments through National Gross Settlement System (RTG	Electronic Fund Transfer (NEFT) OR Real Time
Dear Sir,	
We request and authorize you to affect as per the details given below:-	e-payment through NEFT/RTGS to our Bank Account
Vendor Code	
Title of Account in the Bank	
Account Type	: , 0
	(Please mention here whether account is Savings/Current/Cash Credit)
Bank Account Number	: 39
Name & Address of Bank	:
Bank Contact Person's Names	<u>'</u>
Bank Tele Numbers with STD Code	:
Bank Branch MICR Code	
	(Please enclose a Xerox a copy of a cheque.
	This cheque should not be a payable at par
	cheque)
Bank Branch IFSC Code	
	(You can obtain this from branch where you have your account)
Email Address of accounts person: (to send payment information)	:

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Name of the Authorized Signatory:

Contact Person's Name:

Official Correspondence Address:

We confirm that we will bear the charges, if any, levied by our bank for the credit of NEFT/RTGS amounts in our account. Any change in above furnished information shall be informed to TPNODL well in time at our own. Further, we kept TPNODL indemnified for any loss incurred due to wrong furnishing of above information.

—			
Inc	มาได้เม	$n\alpha$ v	you,
1110	וואווג	ııu '	vou.

F	or			
Г	OI			

(Authorised Signatory)

(Signature with Rubber Stamp)

Certification from Bank:

We confirm that we are enabled for receiving NEFT/RTGS credits and we further confirm that the account number (specify Bank a/c no.) of (Please mention here name of the account holder), the signature of the authorised signatory and the MICR and IFSC Code of our branch mentioned above are correct.

This also is certified that the above information is correct as per Bank record

(Manager's/ Officers Signature under Bank Stamp)

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ANNEXURE-H VENDOR APPRAISAL FORM

		Part A	
1.0	DETAI		
	1.1	NAME (IN CAPITAL LETTERS)	S
	1.2	TYPE OF CONCERN (PROPRIETORY) PARTNERSHIP PVT.LTD., PUBLIC LTD. ETC.	RA
	1.3	YEAR OF ESTABLISHMENT	
	1.4	LOCATION OF OFFICE POSTAL ADRESS	
	1.5	CONTACT DETAIL OF BA'S REPRESENTATIVE NAME E-MAIL ID CELL NO.	
	1.6	LOCATION OF MANUFACTURING UNITS	:
		i) UNITS 1	:
		ii) OTHER UNITS	:
2.0	PRODU	JCTS / SERVICES BEING OFFERED	:
3.0	TURNO VERIFI STATE		÷
4.0		ABILITY OF STATUTORY DOCUMENTS I.E. COPY N CARD	÷
5.0		BILITY OF STATUTORY DOCUMENTS I.E. COPY OF EGISTRATION	÷
6.0	APPLI	CABILITY UNDER MSME CERTIFICATION	÷
7.0	BA BE	LONGS TO AA COMMUNITY (SC/ST)	÷
8.0	DOCUI	MENTS VERIFYING ADDRESS PROOF	÷

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9.0	TECHN	NICAL	
	9.1	NO.OF DESIGN ENGINEERS (INDICATE NO.OF YEARS EXPERIENCE IN RELATED FIELDS)	· ·
	9.2	NO.OF DRAUGHTSMEN	:
	9.3	COLLABORATION DETAILS (IF ANY)	:
		9.3.1 DATE OF COLLABORATION	:
		9.3.2 NAME OF COLLABORATOR	: ()
		9.3.3 RBI APPROVAL DETAILS	: 6
		9.3.4 EXPERIENCE LIST OF COLLABORATOR	
		9.3.5 DURATION OF AGREEMENT	:
	9.4	AVAILABILITY OF STANDARODS / DESIGN PROCEDURES / COLLA-BORATOR'S / DOCUMENTS (CHECK WHETHER THESE ARE LATEST/CURRENT	:
	9.5	TECHNICAL SUPPORT, BACK-UP GUARANTEE, SUPERVISION, QUALITY CONTROL BY COLLABORATOR (WHEREVER ESSENTIAL). (THIS CLAUSE IS RELEVANT WHEN VENDOR'S EXPERIENCE IS INADEQUATE)	
	9.6	QUALITY OF DRAWINGS	:
10.0	MANU	FACTURE	
	10.1	SHOP SPACE, LAYOUT LIGHTING, VENTILATION, ETC.	· ·
	10.2	POWER (KVA)	:
		MAINS INSTALLED	:
	, N	UTILISED	:
C		STANDBY POWER SOURCE	:
Ú	10.3	MANUFACTURING FACILITIES (ATTACH LIST OF EQUIPMENTS AS APPLICABLE)	:
		10.3.1 MATERIAL HANDLING	:
		10.3.2 MACHINING	:
		10.3.3 FABRICATION	:

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	10.3.4 HEAT TREATMENT	:
	10.3.5 BALANCING FACILITY	:
	10.3.6 SURFACE TREATMENT PRIOR TO PAINTING/ COATING, POLISHING, PICKLING, PASSIVATION, PAINTING, ETC.	:
10.4	SUPERVISORY STAFF	:
10.5	ADEQUACY OF SKILLED LABOURS (MACHINISTS, WELDERS, ETC.)	
10.6	NO. OF SHIFTS	
10.7	TYPE OF MATERIAL HANDLED (SUCH AS CS, SS, ETC.)	
10.8	WORKMANSHIP	:
10.9	MATERIAL IN STOCK AND VALUE	:
10.10	TRANSPORT FACILITIES	÷
10.11	CARE IN HANDLING	:
11.0 INSPE	CTION / QC / QA / TESTING	
11.1	NUMBER OF PERSONNEL (INDICATE NO.OF YEARS OF EXPERIENCE)	:
11.2	INDEPENDENCE FROM PRODUCTION	:
11.3	AVAILABILITY OF PROCEDURAL WRITE UP/QUALITY PLAN	:
11.4	INCOMING MATERIAL CONTROL AND DOCUMENTATION	:
11.5	RELIABILITY/REPUTATION OF SUPPLY SOURCES	:
11.6	STAGE INSPECTION AND DOCUMENTATION	:
11.7	SUB-ASSEMBLY & DOCUMENTATION	:
11.8	FINAL INSPECTION AND DOCUMENTATION	:
11.9	PREPARATION OF FINAL DOCUMENTATION PACKAGE	:
11.10	TYPE TEST FACILITIES	:
11.11	ACCEPTANCE TEST FACILITIES	:

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	11.12	CALIBRATION OF INSTRUMENTS AND GAUGES (WITH TRACEABILITY TO NATIONAL STANDARDS) (ATTACH LIST)	:
	11.13	STATUTORY APPROVALS LIKE BIS, IBR, ETC.(AS APPLICABLE)	:
	11.14	SUB-VENDOR APPROVAL SYSTEM AND QUALITY CONTROL	:
	11.15	DETAILS OF TESTS CARRIED OUT AT INDEPENDENT RECOGNISED LABORATORIES	: (0)
		i) FURNISH LIST OF TESTS CARRIED OUT AND THE NAME OF THE LABORATORY WHERE THE TESTS WERE CONDUCTED	(57
		ii) CHECK AVAILABILITY OF CERTIFICATES AND REVIEW THESE WHEREVER POSSIBLE	:
12.0	COMM	IENCE (INCLUDING CONSTRUCTION / ERECTION / ISSIONING) TO BE FURNISHED IN THE FORMAT ATED IN APPENDIX)	:
13.0	SALES	, SERVICE AND SITE ORGANISATIONAL DETAILS	:
14.0		FICATE FROM CUSTOMERS (ATTACH COPIES OF MENTS)	:
15.0	POWEI	R SITUATION	:
16.0	LABOU	JR SITUATION	:
17.0	APPLIC IF YES		
		Part C Supporting Documents	

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 Factory License ISO Certificate Registration of Central Excise Income Tax Clearance. PF Registration 	
 ESI Registration Insurance for Workman Compensation Act No. Electrical Contract LIC No. PAN No. GST Registration MSME Certification WC Tax Registration Organogram of Co. having organogram of Design, safety, quality, production and other teams. Details of subscription of BIS, IEC, IEE, ASTM or other. Details of the team in Design, Quality, Safety, Production. List of manufacturing equipment as per Part C. List of calibrated equipment as per Part C. List of clients and order executed in past two years. Complaint escalation matrix. Performance Certificates of same product from Minimum two utilities. e-Payment Form as per enclosed Annexure-G 	18.0

* Classification of BA s under SC/ST shall be governed under following guidelines:

- Proprietorship/ Single Ownership Firm: Proprietor of the firm should be from SC/ST community. Governing document shall be Proprietorship Deed.
- Partnership Firm: Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed.
- Private Limited Company: Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).
- The relaxation available for BAs under SC / STs shall be as per GCC for Tender Fees, EMD, PBG and Turnover criteria.

NOTE: Certification from SC/ST Commission shall be required for deciding upon SC/ST status of a person.

Annexure-G (e-Payment detail form) must be filled by Associate along with this form.

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ANNEXURE-I MANUFACTURER AUTHORIZATION FORM

(To be submitted on OEM's Letter Head)

	(10 00 00000000000000000000000000000000
Date:	
Tender Enquiry No.:	
To,	
Chief (Procurement & Sto	ores)
TPNODL Limited, Mumbai	
Sir,	
factories at [address of C	
to subsequently negotiate	and sign the Contract.
Conditions of Contract or	full guarantee and warranty in accordance with the Special as mentioned elsewhere in the Tender Document, with respect the above firm in reply to this Invitation for Bids.
services as per the Tend standard warranty on the inclusion / exclusion of pa	in case, the channel partner fails to provide the necessary der Document referred above, M/s [name of OEM] shall provide materials supplied against the contract. The warranty period and arts in the warranty shall remain same as defined in the contract artner against this tender enquiry.
Yours Sincerely,	
For	
Authorized Signatory	

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Annexure-J

TATA CODE OF CONDUCT (TCoC)

Introducing Tata Code of Conduct (TCoC) in GCC, the following clause is proposed for inclusion as per suggestions from Chief Ethics Counsellor -

"TCoC is the overarching policy framework that applies to all TATA Group companies including TPNODL. TCoC provides for stakeholder-wise approach in each of the seven chapters.

The chapter "Our Value Chain Partners" states the policy as follows:

- 1. 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.
- 3. 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.
- 4. 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.
- 5. We respect our obligations on the use of third party intellectual property and data.

To effectively implement TCoC, there is a 3-tier framework comprising of Ethics Management Apex Team headed by the CEO, who is also the Principal Ethics Officer (PEO), TPNODL; Locational Ethics Counsellors (LECs) who cover various locations/offices of TPNODL; and LECs are assisted by 4-5 Ethics Champions (ECs).

In case any Ethical Concern is faced during the course of your business dealings with TPNODL, one may utilize any one or more of the following avenues:

- 1. Ethics Portal on website www.tpnodl.com
- 2. Ethics Box
- 3. IVRS No. 19124
- 4. Locational Ethics Counsellor (LEC)
- 5. Third Party Ethics Helpline 1800-22-7697 (Toll Free) *
- 6. Chief Ethics Counsellor

TPNODL is committed to follow Core Values and Core Principles mentioned in TCoC, cited below, in carrying out various activities as well as in discharge of bi-lateral and multi-lateral obligations involving other entities/organizations:

Core Values:

All six core values are already mentioned in GCC.

Core Principles:

1. **Zero tolerance to bribery or corruption** in any form.

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- 2. Committed to good corporate citizenship
- 3. Contribute to the **economic development of the communities** of the countries & regions we operate in.
- 4. No compromise on Safety
- 5. Our conduct shall be fair & transparent
- 6. Respect the **human rights & dignity** of our stakeholders
- 7. No unfair discrimination of any kind
- 8. Statements made to stakeholders shall be truthful & made in good faith
- 9. Not engage in any restrictive or unfair trade practice
- 10. Provide avenues for our stakeholders to raise concerns in good faith
- 11. Environment free from fear of retribution to deal with concerns that are raised
- 12. Expect the leaders to be **role model**
- 13. Comply with the laws of the countries in which we operate

Gift Policy:

Principles for acceptance of gifts/benefits -

A gift or benefit may be accepted only if it complies with all of the following principles:

- ✓ it does not influence,
- √ does not have the potential to influence, an employee in such a way as to compromise or appear to compromise integrity and impartiality
- √ does not create a conflict of interest or perception of conflict of interest;

Principles for non-acceptance of gifts/benefits -

The gift or benefit may not be accepted or given if any of the following principles apply:

- ✓ causes the recipient or donor to act in partial manner in the course of duty
- ✓ apprehension of the recipient becoming obligated to the donor
- ✓ it is not offered openly
- ✓ if is an offer of money or something readily convertible to money (e.g. Shares)

Violation -

- Not abiding with this policy would constitute violation of "Our Employees" Stakeholder group Clause "Gifts and Hospitality" of the Tata Code of Conduct (TCoC) 2015. Prompt action will be taken against violations.
- 2. Any deviation from this policy must be supported by appropriate rationale and must be duly approved by CEO who is also the Principal Ethics Officer. In any case, in dealing with such deviations, the spirit of the TCoC should in no case be compromised.
- 2. If it is determined that an employee / associate has violated this policy, appropriate action including termination of the employee's / associate's employment or association with TPNODL may be decided upon.

Specification For Single phase Meter Box <u>CONTENTS</u>

- 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 STORES
- 11.0 GUARANTEE
- 12.0 PACKING
- 13.0 TENDER SAMPLE
- 14.0 QUALITY CONTROL
- 15.0 MINIMUM TESTING FACILITIES
- 16.0 MANUFACTURING ACTIVITIES
- 17.0 SPARES, ACCESSORIES AND TOOLS
- 18.0 DRAWING AND DOCUMENTS
- 19.0 GURANTEED TECHNICAL PARTICULARS
- 20.0 SCHEDULE OF DEVIATIONS

1	SCOPE	manufacturer's works, pack	e technical requirements of design, manufacture, testing at ing, forwarding, supply and unloading at store/site and emeter box with all accessories for trouble free and efficient
		manufactured and tested	this specification shall unless otherwise stated, be designed, in accordance with the latest editions of the following ds and shall conform to the regulations of the local statutory General requirements for enclosure for accessories for household and similar fixed electrical installations-
	,	IS: 8623(Part 1)-1993	Specification Specification for low-voltage switchgear and control gear assemblies Part 1 for type tested and partially type tested assemblies
2	APPLICABLE	IS: 11731(Part II)-1992	Methods of test for determination of Flammability of solid electrical insulating materials when exposed to an igniting source
	STANDARDS	IS 4249-1967	Specification for classification and method of test for non-ignitable and self-extinguishing properties of solid electrical insulating materials
		IS 8828-1996	Electrical Accessories- Circuit Breakers for Over Current Protection for Household and Similar Installations
		IS 5133(Part II)-1969	Specification for boxes for the enclosure of electrical accessories
	·	IS 2500(Part 1)-2000	Sampling procedure for inspection by attributes part 1 sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
		UL 746-C	Polymeric materials in electrical equipments

		The atmosphere is generally laden with mild months and subjected to fog in cold months accessories shall be suitable to withstand acceleration of 0.1g.	s. The design of the equipment and
3	CLIMATIC CONDITIONS OF THE INSTALLATION	a) Max. Ambient Température b) Max. Daily average ambient temp. c) Min Ambient Temp d) Maximum Humidity e) Minimum Humidity f) Average No. of thunderstorm days per annum g) Average Annual Rainfall h) Average No. of rainy days per annum i) Rainy months j) Altitude above MSL not exceeding k) Wind Pressure	: 50 deg.C : 40 deg.C : 0 deg C : 95% : 10% : 50 : 750 mm : 60 : June to Oct. : 300 meters : 126kg/sq m up to an elevation of

1	0	m	ıtı	rs

The atmosphere is generally laden with mild acid and dust suspended during dry months and subjected to fog in cold months. The design of the equipment and accessories shall be suitable to withstand seismic forces corresponding to an acceleration of 0.1g

4.0 GENERAL TECHNICAL REQUIREMENTS

S.NO	DESCRIPTION	REQUIREMENT
1	Application	Outdoor
2	Degree of protection	IP 55
3	Flammability requirement	FV0
4	Grade of material	Polycarbonate with fire retardant, Self Extinguishing, UV stabilized and anti oxidation properties
5	Material a) Base :	a) Polycarbonate equivalent to Lexan 943 A with dark grey color
	b) Cover:	b) Polycarbonate equivalent to Lexan 943 A with transparent
6	Thickness of box	2 mm (min)
7	Gasket material	Rubber
8	Material withstand temperature	125 deg. C +/- 2 deg. C
9	Dielectric withstand for the box	5 kV for 1 min

5.0 GENERAL CONSTRUCTIONS

- 5.1-The meter box shall be weather proof, tamper proof and shall be made of Injection moulded reinforce polycarbonate material with FV0 fire retardant, self-extinguishing, UV stabilization and Anti oxidation properties. Base shall be dark grey color whereas the cover shall be completely transparent for polycarbonate material. The material for base and cover shall be lexan 943 A or equivalent with 2 mm thickness.
- 5.2- The meter box shall have a taper roof for easy flow of rain water and shall have degree of IP55 for protection against dust and water.
- 5.3-The box shall be provided with meter mounting arrangement along with MS plate on top for mounting the meter from different manufacturers, having different mounting dimensions. The top plate shall be fixed on the base taking care of the alignment with the fixing holes provided in the base. The detail drawing of the mounting arrangement of all the meters shall be provided to successful bidders by the TPPDL.
- 5.4- The meter shall be mounted with the help of MS plate such that it is centrally placed in the box and there is clearance of 50 mm between the meter box and top of the cover. A minimum clearance of 50 mm shall be maintained

on both sides, between meter and box. The overall dimensions of meter box shall be

Length- 300 mm, Width- 250 mm, Depth- 120 mm

- 5.5- The design of the meter box shall be such as to easy facilitate easy wiring and access to meter terminals. Nylon gland of internal diameter of approx. 25 mm shall be provided for I/C and O/G cables of size 2Cx10/25 sq.mm or as approved by purchaser. The holes for I/C and O/G cables shall be provided in left and right side of meter box at bottom.
- 5.6- The number of pillers to be provided in box as per TPDDL different type of meters. If there is any change in existing meter design or new meter introduced, bidder shall provide meter mounting piller accordingly in meter box with modification in their mould without any extra cost.
- 5.7- The box cover shall be fixed to the base through two nos Hinzes(approx. length 50 mm). The arrangement of the hinzes shall be provided on left side of the box. The rivets or screws, if used shall not be fixed from outside so that it can not be visible from outside to avoid any manipulation. The box cover shall be open able by more than 120 degrees.
- 5.8- For holding and sealing the box, four U-shaped latches of approx..size 25 mm shall be provided on three side of box(two on right side and one each on top and bottom side). The latch shall be GS with minimum thickness of 1.2 mm. The latch shall be provided along with suitable clamp assembly in base as well as cover, such that these are fully covered by the latch after closing. The clamp along with the latch shall be provided with a sealing hole such as to provide a sealing arrangement in the assembly and alignment of holes should be perfect so that seal wire may be easily install.
- 5.9- Suitable rubber gasket of round shape (properly provided throughout the periphery) for protection all around the cover shall be provided. The box shall be provided with four fixing holes of suitable size.
- 5.10- After closing and sealing the meter box, it shall not be possible to forcefully enter any sharp object inside the box without breaking base/cover. Suitable overlapping (20 mm) shall be provided between base and cover to avoid access to the meter or its accessories inside the meter box by any means after sealing the box.
- 5.11- Box shall be provided with 1 no. earthing nut and bolt of size M8x35 mm on the left hand side in the base of meter box for providing earth connection. The earth terminal shall be identified by means of the sign ,marked in a legible manner on or adjacent the terminal.

NAME PLATE AND MARKING

6.0

The meter box shall be provided with durable and legible name plate, effectively secured against removal. Name plate shall be embossed with "PO No with

		plate sha the releva	all be indelibly and distinctly mant standards along with the fandards along w	anufacturing 6404040 hall be carried out in accordance with the
7.0	TESTS	purchase tested a	er/his authorized representatives per the relevant standard	ptance tests shall be witnessed by the ve. All the components shall also be type ds. Following tests shall be necessarily n to others specified in IS/IEC standards.
		S.no.	Tests/ Standard	Requirements
		1	Protection against electric shock (IS: 14772 - 2000)	Enclosure shall be so designed that when they are mounted as for normal use, the live parts of any correctly installed accessories or any parts of these accessories which may become live due to a fault shall not be accessible.
		2	Provision for earthing (IS: 14772-2000)	Enclosure shall be provided with a facility for permanent and reliable connection to earthing
7.1	Type Test	3	Resistance to ageing, humid conditions, Ingress of solid objects and to harmful ingress of water (IS: 14772-2000	Resistance to Ageing: Enclosure shall be kept in a heating cabinet with temp 70 ± 2 deg C for 7 days as per IS. After completion of the test, the enclosure shall not show any cracks.
				Humid conditions: Enclosure shall be kept in a cabinet with humidity between 91 to 95 % for 7 days as per IS. After completion of the test, the enclosure shall not show any cracks. Resistance against ingress of solid objects and to harmful ingress of water: Enclosure shall
	,			be subjected to test for degree of protection (IP 55) as per IS 12063.
		4	Mechanical strength/ Impact Resistance Test (IS: 14772-2000)/(UL: 746 C)	The sample shall be subjected to Impact resistance test as per the respective standards and shall not show occurrence of any of the following:

			1 making uninsulated live parts accessible to contact. producing a condition that might affect the mechanical performances of the enclosure producing a condition that would increase the likelihood of an electric shock
	5	Resistance to heat / Ball Pressure Test (IS : 14772-2000)	The test shall be made on a sample in a heating cabinet at a temp of 125 ±2 deg C for 1 per IS. After completion of test, the diameter of the impression caused by the ball shall be measured and should not exceed 2 mm.
	6	Resistance to Abnormal heat and fire/ Glow wire test (IS: 14772-2000)	Parts of insulating materials which might be exposed to thermal stresses due to electric effects shall not be affected by abnormal heat and by fire. The compliance shall be checked by means of the glow wire test performed at 960 deg C, according to IS 11000(Part 2/sec 1) with no flame and glowing.
,	7	Resistance to Tracking (IS 14772-2000)	The sample when tested as per clause no 17 of IS: 14772, shall show no flashover after completion.
	8	Flammability test (IS : 11731 (Part II)- 1986)/UL :94)	The sample shall comply to flammability requirements of category FV0/V0 as per respective standards
	9	Test for self- extinguishing property (IS:4249-1967)	The sample when tested as per clause 3.5.1 of IS 4249, shall comply to the specified requirements.
	10	Test for water absorption (IS: 5133 (Part II)-1969)	The sample shall be heated to a temperature of 50 ± 3 deg. C for 24 h, as per IS and after completion, the water absorbed should not be more than 1%.
	11	Verification of Die-electric properties (IS :8623 (Part I)-1993)	The enclosure shall be tested as per clause no 8.2.2 of IS 8623(Part 1), with test voltage of 5 kV for 1 minute and withstand it satisfactorily.
	12	UV Light Exposure (UL-746C)	The sample when exposed to UV light as per the defined test method, shall comply to following a) Physical Properties: The average value of physical

		properties after the UV light exposure shall not be lower than 70% of its initial value (without UV aging) i.e. the variation shall not be more than 30%. b) Flammability Test: After the UV light exposure, the flammability requirement of FV0 shall remain unchanged. c) Flexural Strength: After the UV light exposure, Flexural strength shall not be lower than 70% of its initial value (without UV aging) i.e. the variation shall not be more than 30 %.
7.2	Routine tests	Marking Visual Examination and Dimensions Protection against electric shock Provision for earthing
		Marking Visual Examination and Dimensions Protection against electric shock
7.3	Acceptance Tests	 4. Provision for earthing 5. Mechanical strength/Impact Resistance Test 6. Resistance to Abnormal heat and fire/ Glow wire test 7. Flammability test
		8. Verification of Die-electric properties 9. Finishing of box
8.0	TYPE TEST CERTIFICATES	The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA as per the relevant standards. Type tests should have been 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 the Purchaser.
9.0	PRE-DISPATCH INSPECTION	The successful bidder shall submit one prototype samples for further testing and compliance as per specifications and getting approval before mass manufacturing. Equipment shall be subject to inspection by a duly authorized representative of the Purchaser. Inspection may be made at any stage of manufacture at the option of the purchaser and the equipment if found unsatisfactory as to workmanship or material, the same is liable to rejection. Bidder shall grant free access to the places of manufacture to the Purchaser's representatives at all

		times when the work is in progress. Inspection by the Purchaser or it's
		authorized representatives shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specifications. Material shall be dispatched after specific MDCC (Material Dispatch Clearance Certificate) is issued by the Purchaser. Following documents shall be sent along with material: a) Test reports
		b) MDCC issued by Purchaser c) Invoice in duplicate
		d) Packing list
	•	e) Drawings & catalogue f) Guarantee / Warrantee card
	·	g) Delivery Challan
		h) Other Documents (as applicable) The material received at Purchaser's 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
	INSPECTION AFTER	department. The successful bidder shall submit one extra box (unpaid) per lot delivered, with
10.0	RECEIPT AT STORE	serial nos. in continuation to the lot(lot size shall be 500 numbers or as defined
		in the order) to the Purchaser for further testing and confirmation in line with the specifications and the material shall be liable for rejection, if test results are
		found different from the reports of the pre-dispatch inspection and one copy of
		the report shall be sent to Engineering department. Bidder shall stand guarantee towards design, materials, workmanship & quality
11.0	GUARANTEE	of process/manufacturing of items under the contract for due and intended performance of the same, as an integrated product delivered under this contract. In the event any defect is found by the Purchaser up to a period of 60 months from the date of commissioning or 66 months from the date of last supplies made under the contract, whichever is earlier. Bidder shall be liable to undertake to replace/rectify such defects at his own costs, within mutually agreed timeframe, and to the entire satisfaction of the Purchaser, failing which the Purchaser will be at liberty to get it replaced/rectified at Bidder's risks and costs and recover all such expenses plus the Purchaser's own charges (@ 20% of expenses incurred), from the Bidder or from the "Security cum performance Deposit" as the case may be. In case box fails within the guarantee period, the purchaser will immediately inform the bidder who shall take back the failed box within 15 days from the date of intimation at his own cost and replace/repair the box within forty five days of date of intimation with a roll over guarantee. Bidder shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Purchaser.
12.0	PACKING	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. The material used for packing shall be environmentally friendly.
13.0	TENDER SAMPLE	Bidders are required to manufacture 2 sample boxes as per the TPDDL

		specification and	d submit the san	nole along with t	he hid to Contra	acts for approval
		The bidder shall various stages of the material of controls.	submit with the of inspection, the construction, con	offer Quality as tests and check nponents during	surance plan in ks which will be manufacture ar	dicating the carried out on nd bought out
14.0	QUALITY CONTROL	items and fully a the plan, a sche delivery schedu representative s works to carry o	dule for stage a le shall be furnis hall have free a	nd final inspectionshed. The Purch	on within the par aser's engineer	rameters of the or its nominated
15.0	MINIMUM TESTING FACILITIES	Bidder shall hav tests, acceptant				g out all routine
16.0	MANUFACTURING ACTIVITIES	The successful manufacturing a chart should be This bar chart worder.	bidder will have activities clearly of in line with the C	to submit the ba elaborating each Quality assuranc	r chart for vario stage, with qua e plan submitte	antity. This bar d with the offer.
17.0	SPARES, ACCESSORIES AND TOOLS	Not applicable				
		specifications and a) Comple a) Genera brochur c) Genera d) Experie e) Type te	nd statutory requitely filled in Teo I description of the same of the same of the same of the same of the contract, of the contract,	uirements and stochnical Particular he equipment ar or meter box	nall be submitters nd all componer of following dra	nts including
18.0	DRAWING AND DOCUMENTS	Sr. No. 1	Description Technical Parameters GA Drawing	For Approval	For Review Information	Final Submission
		3	of meter box Installation Instruction			<u> </u>
		4 .	Manual/Catal ogues		✓	
		5	Transport/ Shipping dimension drawing		√	V
		6	QA & QC Plan	1	√	✓

		7	Test Certificates	V	✓	√
		of which shal the equipmed certificates shall the document Instruction Mainstructions a	subsequently provid il be auto positive s nt. Soft copy (Com nall be submitted aft nents & drawings sh lanual (in English I and all relevant info s well as auxiliary de	uitable for repro pact Disk CD) er the final appro all be in English anguage) cover ormation and dr	duction, befo of all the dra oval of the sa language ing erection	re the dispatch of awing, GTP, Test me to purchaser. and maintenance
	•	SI. No.	Description	Unit		As furnished by Bidder
		1 1	Application			
		2	Degree of			
			protection			
		3	Flammability			
			requirement			
		5	Grade of ma	aterial		•
		5	Material a) Bas	o ·		
			b) Cov	i		
		6	Thickness of			
			(Base and C	Cover)		
	GUARANTEED	7	Material of t	he		
19.0	TECHNICAL		gasket			
	PARTICULARS	8	Material with	-		
		9	temperature Dielectric			
			withstand ca	apacity		
		10	Construction			
			features of t			
		a)	Clear inside			
			dimensions	of		
			meter box	ath mm		
	•		i. Len ii. Wid		,	
			iii. Dep			
		b)	Minimum			
٠			clearance			
			between me			
			and box on	all 4		

	- falsa	1	
>	sides		
(c)	Minimum clearance from	mm	
d)	meter on front Minimum clearance from back of meter	mm	
e)	Earthing arrangement	No	
f)	Sealing Arrangement (with length)	No	
g)	Colour of Meter Box (base & cover)		
h)	Box mounting arrangement		
i)	Size of incoming & outgoing cable hole and location of hole	Cable size	
j)	Weight of complete box in kg with +/- tolerance	kg	
k)	Whether recyclable material	Yes/no	·
1)	Number Gitti and screws provided	Number	
m)	MS plate for box mounting to be provided	-	
n)	Number of hinzes with length	Number & mm	
0)	Angle of Box opening	degree	
p)	Number of U- shaped latches and length	Number & mm	
q)	Material and thickness of U- shaped Latches	mm	
r)	Sealing hole to be provided in clamp and latches		
s)	Overlapping of cover on base	mm	
t)	Number and size	Number & mm	

	12	Type test as ner		_ -
	12	Type test as per cl. No-7.1		
	be deemed to	e. Unless specifically mentioned in confirm the purchaser's specificati ENCLOSED WITH THE BID)		
	Clause in this	from this specification shall be se schedule. Unless specifically me deemed to confirm the purchaser	entioned in this Schedule, t	
	Clause in this	schedule. Unless specifically m	entioned in this Schedule, t	
20.0 SCHEDULE OF DEVIATION	Clause in this tender shall be	schedule. Unless specifically medically deemed to confirm the purchaser	entioned in this Schedule, to specifications: Details of deviation	
	Clause in this tender shall be	schedule. Unless specifically medically deemed to confirm the purchaser	entioned in this Schedule, to specifications: Details of deviation	
	Clause in this tender shall be	schedule. Unless specifically medically deemed to confirm the purchaser	entioned in this Schedule, to specifications: Details of deviation	
	Clause in this tender shall be	schedule. Unless specifically medically deemed to confirm the purchaser	entioned in this Schedule, to specifications: Details of deviation	
	Clause in this tender shall be	schedule. Unless specifically medically deemed to confirm the purchaser	entioned in this Schedule, to specifications: Details of deviation	
	Clause in this tender shall be	clause No.	entioned in this Schedule, the specifications: Details of deviation with justifications	
	Clause in this tender shall be	clause No. Clause No. at there are no deviations apart fro	entioned in this Schedule, the specifications: Details of deviation with justifications	

	THE TATA POWER COMPANY LIMITED		
TATA	TECHNICAL SPECIFICATION		
Document Title	SPECIFICATION FOR THREE PHASE METER BOX		
Document No.	ENG-LV-52		Eff. Date 01.05.20
Revision No.	00		Page 1 of 19
Prepared By: TPC	Reviewed By: TPC	Approved By: TPC	Issued By: TPC

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- 19.0 GURANTEED TECHNICAL PARTICULARS
- **20.0 SCHEDULE OF DEVIATIONS**

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	T	T-1: :::::::::::::::::::::::::::::::::::	<u>,, , , , , , , , , , , , , , , , , , ,</u>
1.0	SCOPE	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at store/site and performance of three phase meter box with all accessories for trouble free and efficient operation.	
2.0	APPLICABLE STANDARDS	designed, manufactured	by this specification shall unless otherwise stated, be and tested in accordance with the latest editions of the ional standards and shall conform to the regulations of rities. General requirements for enclosure for accessories for household and similar fixed electrical installations-Specification Specification for low-voltage switchgear and control gear assemblies Part 1 for type tested and partially type tested assemblies Methods of test for determination of Flammability of solid electrical insulating materials when exposed to an igniting source Specification for classification and method of test for non-ignitable and self-extinguishing properties of solid electrical insulating materials Electrical Accessories- Circuit Breakers for Over Current Protection for Household and Similar Installations Specification for boxes for the enclosure of electrical accessories Sampling procedure for inspection by attributes part 1 sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection Polymeric materials in electrical equipments
3.0	CLIMATIC CONDITIONS OF THE INSTALLATION	months and subjected to accessories shall be subjected to acceleration of 0.1g. a) Max. Ambient Tempé b) Max. Daily average acceleration of 0.1g. a) Max. Ambient Tempé b) Max. Daily average acceleration of 0.1g. b) Max. Daily average acceleration acceleration of 0.1g. d) Maximum Humidity e) Minimum Humidity e) Minimum Humidity f) Average No. of thunce g) Average Annual Rair h) Average No. of rainy i) Rainy months j) Altitude above MSL results of	embient temp. : 40 deg.C : 0 deg C : 95% : 10% derstorm days per annum : 50 efall : 750 mm days per annum : 60 : June to Oct.

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dry months and subjected to fog in cold months. The design of the equipment

GENERA	L TECHNICAL REQUIREMENTS	
SI. No.	Description /Requirements	TPC clarification
1	Application	Outdoor
2	Degree of protection	IP55
3	Flammability requirement	FV0
4	Grade of material	fire retardant, self-extinguishing, UV stabilizatio and Anti oxidation properties
5	Material	
	a) Base:	a. Dark Gray- Polycarbonate
	b) Cover:	b. Clear transparent- Polycarbonate
6	Thickness of box	Base-3 mm (minimum)
	(Base and Cover)	Cover-2.5mm (Minimum)
		Tolerance <u>+</u> 0.02mm
7	Material of the gasket	Rubber or better
8	Glow wire tested at	960°C
9	Dielectric withstand capacity	5kV for 1 min.
10	Construction features of the box	
a)	Clear inside dimensions of meter box	
•	i. Length	460mm
	ii. Width	340mm
	iii. Depth	170mm
		With 2% tolerance (With minimum clear space 450x330 without any tolerance)
b)	Minimum clearance between meter and box on all sides	50 mm
c)	Min. Clearance from meter on Top of	
	meter mounting plate	35mm
d)	Minimum clearance from back of meter to base	10 mm
e)	Earthing arrangement Nut & bolt	1 Numbers with M8x 35 or 40mm long
f)	Sealing Arrangement polycarbonate	4 Numbers of Min. 30mm length (Two on
	extension for sealing and latch with	opening side and one at top and bottom side)
	concentric sealing holes on U shaped latches	Sealing hole diameter 3mm
g)	U shaped GI latches	4 number GI U shape latches having 1.2mm thick and Min. 25mm long with sealing hole
h)	Box mounting arrangement	Provision for four number screws at four corner provided
i)	Box Mounting Screw	4 Number Gitti and screws provided with M6 Screw with min. length 40mm
j)	Cover overlapping on base base	a) Inside- 25 mm overlapping at hinges sides, to and bottom side and 20 mm overlapping at pad lock side.

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			b) Outside overlapping 20mm through out border	
	k)	A. Size of incoming & outgoing gland	A. 35mm	
	,	hole		
	B. location of hole from bottom side		B. around 40mm	
	I)	Meter mounting plate as per clause no.	GI plate of 1.2m thick for meter mounting	
		5.4	provided on Top side (without sharp corners)	
	m)	Meter mounting Screws	Minimum 3 number of 13mm length	
	n)	Hinges	Three nos. GI Hinges having 1.2 mm thickness	
			and Minimum length 30 mm	
	<u>n)</u>	Angle of Box opening	120 degree	
	o)	Polycarbonate hinges on base are	Yes/No	
		covered with box cover material such		
		that tampering is not possible from outside		
	p)	Antenna mounting provision	GI square piece of around 30x30mm to be	
	.,		riveted/ fixed inside on bottom face of box at	
			around 60mm distance from right side	
	s)	Location of earthing bolt	On left Sides (when viewed from front) & bolt is	
			fixed & engaged within gland through GI sheet	
		E at the section	1.2mm from inside.	
	u)	Earthing sign	A tag with green background on GI sheet to be provided on earth bolt outside box	
	v)	A. Gland size – inside diameter-around	Yes/no	
		29mm on i/c and o/g		
		B. Gland type – straight		
	11	The earth connectivity plate between	Yes/no	
		incoming gland and earth bolt provided with 1.2mm thick GI		
		With 1.2mm thore of		
5.0	GENERA	AL CONSTRUCTIONS	CTIONS	
		5.1-The meter box shall be weather proof, tamper proof and shall be made of Injection		
			aterial with FV0 fire retardant, self-extinguishing, UV	
			erties. The box shall be of adequate strength	
		unbreakable and shall be made in t		
			hereas the cover shall be completely transparent for	
			al for base and cover shall be polycarbonate with	
		minimum cover thickens of 2.5mm 8	& base -3 mm thickness.	
		5.2- The meter hox shall have a ta	aner roof for easy flow of rain water and shall have	
			5.2- The meter box shall have a taper roof for easy flow of rain water and shall have degree of IP55 for protection against dust and water.	
		5.3-The box shall be provided with r	meter mounting arrangement along with MS plate on	
		top for mounting the meter from diffe	erent manufacturers, having different mounting	
			be fixed on the base taking care of the alignment	
			base of the box. The box shall have suitable modem	
			hand side in the base of meter box for mounting the	
			s with the help of base plate. The location of the	
			o of the box base (as measured from inside) and 35	
		min away nom ngni side oi the box.	The detail drawing of the mounting arrangement of	

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		all the meters shall be provided to successful bidders by the TPPDL.
		5.4- The meter shall be mounted with the help of MS plate such that there is clearance of 50 mm between the meter box and top of the cover. A minimum clearance of 50 mm shall be maintained on both sides, between meter and box. The overall dimensions of meter box shall be Length- 460 mm, Width- 340 mm, Depth- 170 mm with 2% tolerance.
		5.5- The design of the meter box shall be such as to easy facilitate easy wiring and access to meter terminals. Nylon gland of internal diameter of approx. 30 mm shall be provided for I/C and O/G cables of size 4Cx25 sq.mm or as approved by purchaser. The holes for I/C and O/G cables shall be provided in left and right side of meter box at bottom.
		5.6- The number of pillers to be provided in box as per TPC different type of meters. If there is any change in existing meter design or new meter introduced, bidder shall provide meter mounting piller accordingly in meter box with modification in their mould without any extra cost.
		5.7- The box cover shall be fixed to the base through three nos Hinges. The arrangement of the hinges shall be provided on left side of the box and shall be such as to avoid entry inside of the box. The screws shall not be fixed from outside so that it can not be visible from outside to avoid any manipulation. The box cover shall be open able by more than 120 degrees.
		5.8- For holding and sealing the box, four U-shaped latches of approxsize 30 mm shall be provided on three side of box(two on right side and one each on top and bottom side). The latch shall be GS with minimum thickness of 1.2 mm. The latch shall be provided along with suitable clamp assembly in base as well as cover, such that these are fully covered by the latch after closing. The clamp along with the latch shall be provided with a sealing hole such as to provide a sealing arrangement in the assembly and alignment of holes should be perfect so that seal wire may be easily install.
		5.9- Suitable rubber gasket of round shape (properly provided throughout the periphery) for protection all around the cover shall be provided. The box shall be provided with four fixing holes of M6 screws. The four nos M6 screw with gitti to be provided with each box.
		5.10- After closing and sealing the meter box, it shall not be possible to forcefully enter any sharp object inside the box without breaking base/cover. Suitable overlapping as mentioned in GTP shall be provided between base and cover to avoid access to the meter or its accessories inside the meter box by any means after sealing the box.
		5.11- Box shall be provided with 1 no. earthing nut and bolt of size M8x35 mm on the left hand side in the base of meter box for providing earth connection. The earth terminal shall be identified by means of the earth sign, marked in a legible manner on or adjacent the terminal.
6.0	NAME PLATE AND MARKING	The meter box shall be provided with durable and legible name plate, effectively secured against removal. Name plate shall be embossed with "PO No with date", "PROPERTY OF TPC", "ITEM CODE NUMBER", The name plate shall be indelibly and distinctly marked with all essential particulars as per the relevant standards along with the

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		full accident in formation .			
		following information : a) Manufacturer's name			
		,			
		b) Serial number			
			c) Month and Year of manufacturing		
			d) No supply number : 19		
			e) Property of 'Tata Pow		
			f) Voltage 440V Dangerg) PO no. and date		
			g) PO no. and date		
		Danger le	Danger logo/icon on the cover		
				hall be carried out in accordance with the relevan	
				tests shall be witnessed by the purchaser/his	
7.0	TESTS			imponents shall also be type tested as per the	
				nall be necessarily conducted on the meter box in	
		addition t	o others specified in IS/IEC s	landards.	
		S.no.	Tests/ Standard	Requirements	
			Protection against electric	Enclosure shall be so designed that	
			shock	when they are mounted as for	
			(IS: 14772 - 2000)	normal use, the live parts of any	
				correctly installed accessories or	
				any parts of these accessories	
				which may become live due to a	
				fault shall not be accessible.	
		2	Provision for earthing	Enclosure shall be provided with a	
			(IS: 14772-2000)	facility for permanent and reliable	
				connection to earthing	
		3	Resistance to ageing,	Resistance to Ageing : Enclosure	
			humid conditions, Ingress	shall be kept in a heating cabinet	
			of solid objects and to	with temp 70 ± 2 deg C for 7 days	
			harmful ingress of water	as per IS. After completion of the	
7.1 Type Test (IS : 14772-2000)		(IS: 14772-2000)	test, the enclosure shall not show		
				any cracks.	
				Humid conditions : Enclosure shall	
				be kept in a cabinet with humidity	
				between 91 to 95 % for 7 days as	
				per IS. After completion of the test,	
				the enclosure shall not show any	
				cracks.	
				Resistance against ingress of	
				solid objects and to harmful	
				ingress of water : Enclosure shall	
				be subjected to test for degree of	
				protection (IP 55) as per IS 12063/	
			Machanical straineth/	IS 60529	
		4	Mechanical strength/	The sample shall be subjected to	
			Impact Resistance Test	Impact resistance test as per the	
			(IS: 14772-2000)/(UL:	respective standards and shall not	
			746 C)	show occurrence of any of the	

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		,	
		following:	
		making uninsulated live parts	
		accessible to contact, producing a	
		condition that might affect the	
		mechanical performances of the	
		enclosure, producing a condition	
		that would increase the likelihood of	
		an electric shock	
5	Resistance to heat / Ball	The test shall be made on a sample	
	Pressure Test (IS:	in a heating cabinet at a temp of 125	
	14772-2000)	±2 deg C for 1 per IS. After	
		completion of test, the diameter of	
		the impression caused by the ball	
		shall be measured and should not	
		exceed 2 mm.	
6	Resistance to Abnormal	Parts of insulating materials which	
	heat and fire/ Glow wire	might be exposed to thermal	
		stresses due to electric effects shall	
	test		
	(IS: 14772-2000)	not be affected by abnormal heat	
		and by fire. The compliance shall be	
		checked by means of the glow wire	
		test performed at 960 deg C,	
		according to IS 11000(Part 2/sec 1)	
		with no flame and glowing.	
7	Resistance to Tracking	The sample when tested as per	
	(IS 14772-2000)	clause no 17 of IS: 14772, shall	
		show no flashover after completion.	
8	Flammability test	The sample shall comply to	
	(IS : 11731 (Part II)-	flammability requirements of	
	1986)/UL :94)	category FV0/V0 as per respective	
	100,000,000	standards	
9	Test for self-	The sample when tested as per	
3		clause 3.5.1 of IS 4249, shall	
	extinguishing property		
	(IS:4249-1967)	comply to the specified	
40	Tankfana ta baran	requirements.	
10	Test for water absorption	The sample shall be heated to a	
	(IS: 5133 (Part II)-1969)	temperature of 50 ± 3 deg. C	
		for 24 h, as per IS and after	
		completion, the water absorbed	
		should not be more than 1%.	
11	Verification of Die-electric	The enclosure shall be tested as per	
	properties	clause no 8.2.2 of IS 8623(Part 1),	
	(IS :8623 (Part I)-1993)	with test voltage of 5 kV for 1 minute	
	` ' ' '	and withstand it satisfactorily.	
12	UV Light Exposure	The sample when exposed to UV	
	(UL-746C)	light as per the defined test method,	
	(:	shall comply to following	
		a) Physical Properties: The	
		average value of physical	
		properties after the UV light	
		exposure shall not be lower	

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		than 70% of its initial value (without UV aging) i.e. the variation shall not be more than 30%. b) Flammability Test: After the UV light exposure, the flammability requirement of FV0 shall remain unchanged. c) Flexural Strength: After the UV light exposure, Flexural strength shall not be lower than 70% of its initial value (without UV aging) i.e. the variation shall not be more than 30 %.	
7.2	Routine tests	Marking Visual Examination and Dimensions Protection against electric shock Provision for earthing	
7.3	Acceptance Tests	 Marking Visual Examination and Dimensions Protection against electric shock Provision for earthing Mechanical strength/Impact Resistance Test Resistance to Abnormal heat and fire/ Glow wire test Flammability test Verification of Die-electric properties Finishing of box Screw Driver penetration test 	
8.0	TYPE TEST CERTIFICATE S	The bidder shall furnish the type test certificates for the tests as mentioned above as per the corresponding standards. All the tests shall be conducted at CPRI/ERDA/UL or equivalent as per the relevant standards. Type tests should have been 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 the Purchaser.	
9.0	The successful bidder shall submit two pre-manufacturing sample samples (non-returnable) for further testing and compliance as per specifications and should get approval from TPC before mass manufacturing. The sample to be submitted one at Meter test Lab, Sec-13, Rohini and one at Engineering Lab, CENPEID, Sec-11, Ro		

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		Purchaser or it's authorized representatives shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specifications. Material shall be dispatched after specific MDCC (Material Dispatch Clearance Certificate) is issued by the Purchaser. Following documents shall be sent along with material: a) Test reports b) MDCC issued by Purchaser c) Invoice in duplicate d) Packing list e) Drawings & catalogue f) Guarantee / Warrantee card g) Delivery Challan h) Other Documents (as applicable)
10.0	INSPECTION AFTER RECEIPT AT STORE	The material received at Purchaser's 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. TPC can send any of the supplied material for further testing at any lab for compliance of material in line with the specifications and the material shall be liable for rejection, if test results are found different from the reports of the pre-dispatch inspection or tender test reports.
11.0	GUARANTEE	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. In the event any defect is found by the Purchaser up to a period of 60 months from the date of commissioning or 66 months from the date of last supplies made under the contract, whichever is earlier. Bidder shall be liable to undertake to replace/rectify such defects at his own costs, within mutually agreed timeframe, and to the entire satisfaction of the Purchaser, failing which the Purchaser will be at liberty to get it replaced/rectified at Bidder's risks and costs and recover all such expenses plus the Purchaser's own charges (@ 20% of expenses incurred), from the Bidder or from the "Security cum performance Deposit" as the case may be. In case box fails within the guarantee period, the purchaser will immediately inform the bidder who shall take back the failed box within 15 days from the date of intimation at his own cost and replace/repair the box within forty five days of date of intimation with a roll over guarantee. Bidder shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Purchaser.
12.0	PACKING	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. The material used for packing shall be environmentally friendly.
13.0	TENDER SAMPLE	Bidders are required to manufacture two sample boxes as per the TPC specification and submit sample boxes along with the bid one sample at Meter test Lab, Rohini Sector-13 and other sample at Engineering Lab, CENPEID, Rohini Sec-11 for further testing and approval of samples. These samples shall be retained till the final PO placed against tender and for successful bidder these shall be retained till final supply against order.
14.0	QUALITY CONTROL	The bidder shall submit with the offer Quality assurance plan indicating the various stages of inspection, the tests and checks which will be carried out on the material of

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		construction, components during manufacture and bought out items and fully assembled component and equipment after finishing. As part of the plan, a schedule for stage and final inspection within the parameters of the delivery schedule shall be furnished. The Purchaser's engineer or its nominated representative shall have free access to the manufacturer's/sub-supplier's works to carry out inspections.					
15.0	MINIMUM TESTING FACILITIES		Bidder shall have adequate in house testing facilities for carrying out all routine tests, acceptance tests as per Indian/International standards.				
16.0	MANUFACTU RING ACTIVITIES	activities clearly with the Quality	The successful bidder will have to submit the bar chart for various manufacturing activities clearly elaborating each stage, with quantity. This bar chart should be in line with the Quality assurance plan submitted with the offer. This bar chart will have to be submitted within 15 days from the release of the order.				
17.0	SPARES, ACCESSORIE S AND TOOLS	04 nos M6 scre	·				
18.0	DRAWING AND DOCUMENTS	Following drawings and documents shall be prepared based on Purchaser specificand statutory requirements and shall be submitted with the bid: a) Completely filled in Technical Particulars b) General description of the equipment and all components including broch c) General arrangement for meter box d) Experience List e) Type test certificates After the award of the contract, soft copies of following drawings, drawn to describing the equipment in detail shall be forwarded for approval. Sr. No. Description For Approval Information Submission Technical Parameters GAD Drawing Parameters GAD Drawing Parameters Instruction Manual/Catal Ogues Transport/Shipping dimension drawing GAD QA & QC Plan Test Certificates Bidder shall subsequently provide of all the drawing, GTP, Test certificates so		to scale,			
submitted after RC for the final approval of TPC. All the documents & drawings shall be in English language.							

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		SI. No.	Description /Requirements	TPC Requirements	Offered by Bidder
		1	Application	Outdoor	Biddei
		2	Degree of protection	IP55	
		3	Flammability	FV0	
			requirement		
		4	Grade of material	fire retardant, self-	
				extinguishing, UV stabilization	
				and Anti oxidation properties	
		5	Material		
			a) Base :	a. Dark Gray-	
			b) Cover:	Polycarbonate	
				b. Clear transparent-	
				Polycarbonate	
		6	Thickness of have	Book 2 mm (minimum)	
		6	Thickness of box	Base-3 mm (minimum)	
			(Base and Cover)	Cover-2.5mm (Minimum) Tolerance + 0.02mm	
		7	Material of the gasket	Rubber or better	
		8	Glow wire tested at	960°C	
		9	Dielectric withstand	5kV for 1 min.	
		9	capacity	OKV 101 1 HIIII.	
		10	Construction features of		
	GUARANTEE D TECHNICAL		the box		
19.0	PARTICULAR	a)	Clear inside dimensions		
	S		i. Length	460mm	
			ii. Width	340mm	
			iii. Depth	170mm	
				With 2% tolerance (With	
				minimum clear space of	
				450x330 without any tolerance)	
		b)	Minimum clearance		
		′	between meter and box	50 mm	
			on all sides		
		c)	Min. Clearance from		
			meter on Top of meter	35mm	
			mounting plate		
		d)	Minimum clearance from		
			back of meter to base	10 mm	
		e)	Earthing arrangement	4 Novel 4 10 10 10 10 10 10 10 10 10 10 10 10 10	
			Nut & bolt	1 Numbers with M8x 35 or	
		C)	O a live a A	40mm long	
		f)	Sealing Arrangement	4 Numbers of Min. 30mm	
			polycarbonate	length (Two on opening side	
			extension for sealing	and one at top and bottom side)	
		1	and latch with concentric	Sealing hole diameter 3mm	
	1		sealing holes on U		

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	T		1
g)	U shaped GI latches	4 number GI U shape latches	
		having 1.2mm thick and Min.	
		25mm long with sealing hole	
h)	Box mounting	Provision for four number	
	arrangement	screws at four corners provided	
i)	Box Mounting Screw	4 Number Gitti and screws	
,		provided with M6 Screw with	
		min. length 40mm	
j)	Cover overlapping on	a) Inside- 25 mm overlapping at	
1)	base base	hinges sides, top and bottom	
	base base		
		side and 20 mm overlapping at	
		pad lock side.	
		b) Outside overlapping 20mm	
		through out border	
k)	A. Size of incoming &	A. 35mm	
	outgoing gland hole		
	B. location of hole from	B. around 40mm	
	bottom side		
1)	Meter mounting plate as	GI plate of 1.2m thick for meter	
'	per clause no. 5.4	mounting provided on Top side	
	1.	(without sharp corners)	
m)	Meter mounting Screws	Minimum 3 number of 13mm	
111)	Weter mounting ociews	length	
n)	Hinges	Three nos. GI Hinges having	
,	gee	1.2 mm thickness and Minimum	
		length 30 mm	
n)	Angle of Box opening	120 degree	
0)	Polycarbonate hinges on	Yes/No	
0)	base are covered with	163/110	
	box cover material such		
	that tampering is not		
	possible from outside		
p)	Antenna mounting	GI square piece of around	
	provision	30x30mm to be riveted/ fixed	
		inside on bottom face of box at	
		around 60mm distance from	
		right side	
s)	Location of earthing bolt	On left Sides (when viewed	
'		from front) & bolt is fixed &	
		engaged within gland through	
		GI sheet 1.2mm from inside.	
u)	Earthing sign	A tag with green background on	
u)	Laruming Sign	GI sheet to be provided on	
\	A Cland -: !:-!!!	earth bolt outside box	
v)	A. Gland size – inside	Yes/no	
	diameter-around 29mm		
	on i/c and o/g		
	B. Gland type – straight		
11	Name plate and marking	Yes/no	
	as per Cl.no- 6.0 with		
	as per Orno- 0.0 with		,
	danger icon		

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		12	Type test as per cl. No-	Yes or undertaking	g to conduct		
			7.1	before supply			
		14	The earth connectivity	Yes/no			
			plate between incoming gland and earth bolt				
			provided with 1.2mm				
			thick GI				
		16	Mounting pillars as per	Yes/no			
			attached drawings	. 55,5			
			Annex-1 to provided.				
			And any mounting pillar				
			changes in future as per				
			prevailing meters & TPC				
			requirements will be provided.				
		17	The prototype samples	Yes/no			
			shall be approved before	1 00/110			
			mass manufacturing				
		18	Screw driver test shall	Acceptance			
			be performed in				
			acceptance test to ensure no entry of				
			ensure no entry of external object.				
			CATOTTIAL OBJECT.				
		sched	idders shall set out all devia lule. Unless specifically mer m the purchaser's specifica	ntioned in this sched			
			(TO BE ENCLOSED WITH	H THE BID)			
			viations from this specificat				
			schedule. Unless specifica ed to confirm the purchaser		is Schedule, t	he tender sh	nall be
		docini	ca to commit the parenaser	o opcomoditorio.			
	SCHEDULE	S.No	o. Claus	se No.	Details of de		
20.0	OF				with justifica	tions	
	DEVIATION						
			•				
		We co	onfirm that there are no dev	iations apart from th	ose detailed ab	ove.	

Initiator	HOG (Engineering)

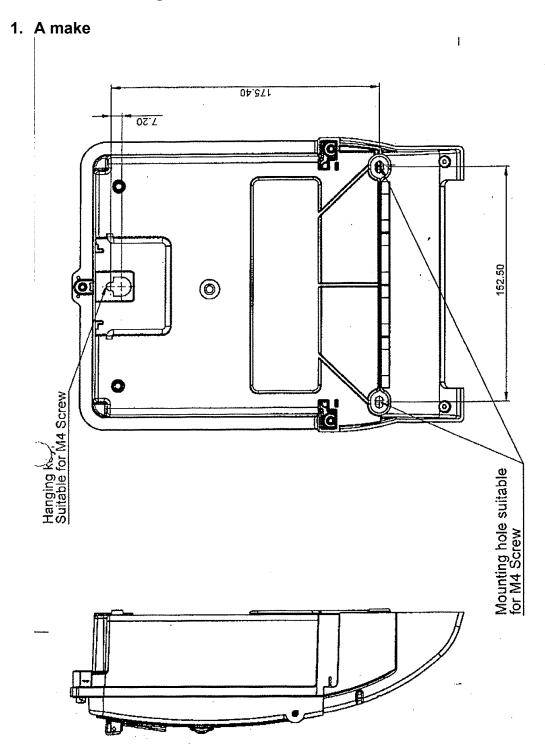
Document Title	Title SPECIFICATION FOR THREE PHASE METER BOX		
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Seal of the Company	Signature :	
	Designation :	

Initiator	HOG (Engineering)

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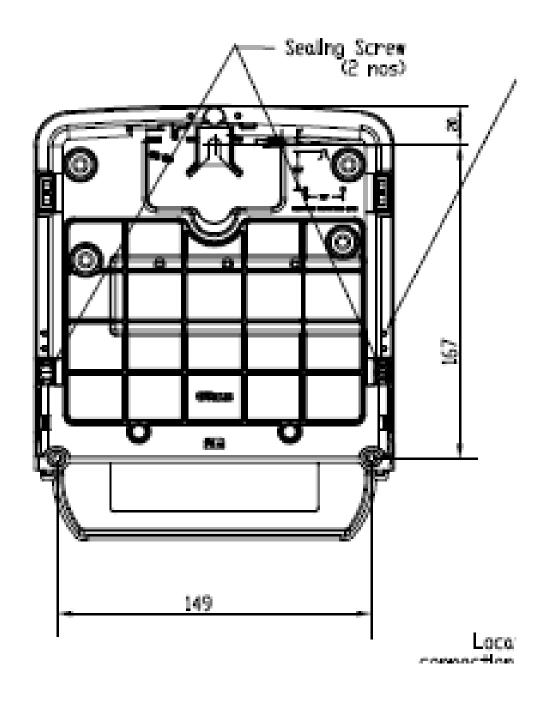
Annexure-1 - Mounting dimensions of meters



2. B make

Initiator	HOG (Engineering)	

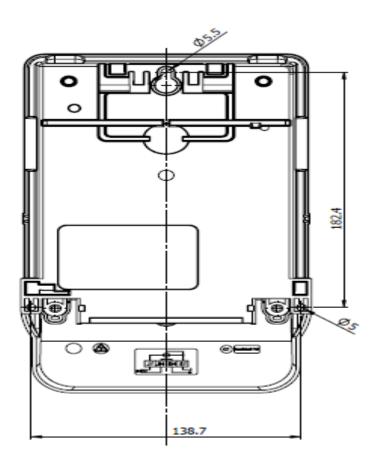
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3. C make

Initiator	HOG (Engineering)	

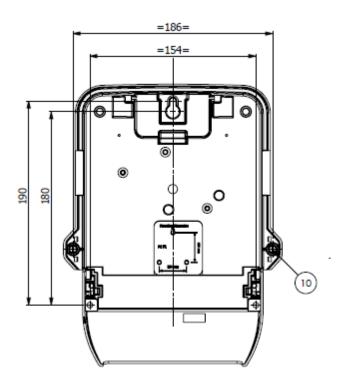
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4. D make

Initiator	HOG (Engineering)	

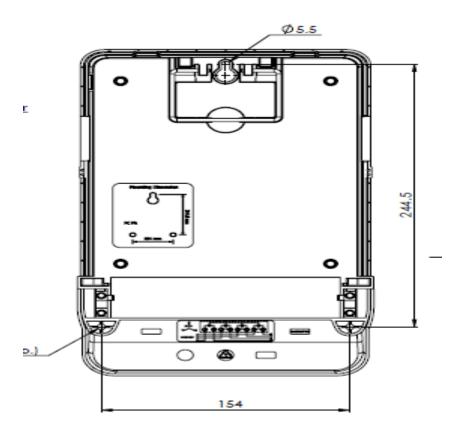
Document Title	SPECIFICATION FOR THREE PHASE METER BOX		
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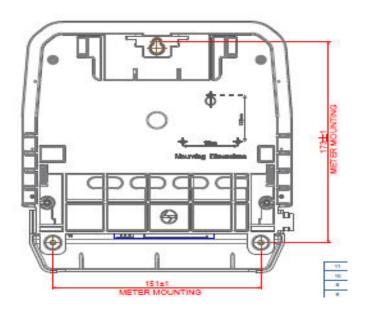
5. E make

Initiator	HOG (Engineering)	

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6. F make



Initiator	HOG (Engineering)	