



NIT No.: TPCODL/P&S/2025-26/1000003876

Procedure to Participate in Tender

Tender Enquiry No- TPCODL/P&S/2025-26/1000003876

Tender Enquiry No.	Work Description	EMD* (Rs.)	Tender Fee** (Rs.)	Last Date for payment of Tender Fee
TPCODL/P&S/2025-26/1000003876	Rate Contract for Solarisation of 50 Civic facilities of Bhubaneswar Municipal Corporation (BMC) under Build-Own-Operate-Transfer (BOOT) Model	2,00,000	5,000	04.07.2025

* EMD is exempted for MSME Bidders registered in the State of Odisha. However, MSME Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract. MSME BAs needs to submit Bid Security Declaration.

** MSMEs registered in the State of Odisha shall pay tender fee of Rs. 1,000/- including GST.

Please note that corresponding details mentioned in this document will supersede any other details mentioned anywhere else in the Tender Document.

Procedure to Participate in Tender.

Following steps are to be followed before “Last date for Payment of Tender Fee”:

- Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letter head indicating
 - Tender Enquiry number
 - Name of authorized person
 - Contact number
 - E-mail id
 - Details of submission of Tender Fee
 - GST Registration No
 - Details of submission of Tender Fee
 - MSME Certificate, wherever applicable
 - Details of Bank Account for refund of EMD
 - Postal Address for refund of EMD
- 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 Central Odisha Distribution Ltd.
Bank Name: STATE BANK OF INDIA
Branch Name: IDCO Towers, Bhubaneswar
Address: P.O. - Sahidnagar, Janapath, Bhubaneswar.
Branch Code: 7891
Account No: 10835304915

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NIT No.: TPCODL/P&S/2025-26/1000003876

IFSC Code: SBIN0007891

E-mail with necessary attachment of 1 and 2 above to be sent to arijeet.choudhury@tpcentralodisha.com , and sony.jha@tpcentralodisha.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 above, after which link from TPCODL E-Tender system (Ariba) will be shared for further communication and bid submission.

Please note that all future correspondence regarding the tender, bid submission, due date extension, Pre-bid query, etc. will take place through TPCODL E-Tender system (Ariba) only. User manual to guide the bidders to submit the bid through E-Tender system (Ariba) is enclosed.

All communication shall be held only with the bidders who have carried out the above steps to participate in the Tender.

It is to be noted that once date of “Last date and time for Payment of Tender Participation Fee” is lapsed, no Bidder will be sent link from TPCODL E-Tender System (Ariba). Without this link, bidder will not be able to participate in the tender. Any last moment request to participate in tender will not be considered.

Further, all future corrigendum to the said tender will be uploaded in the Tender section on website <https://www.tpcentralodisha.com>.



NIT No.: TPCODL/P&S/2025-26/1000003876

OPEN TENDER NOTIFICATION

FOR

**RATE CONTRACT FOR SOLARISATION OF 50 CIVIC
FACILITIES OF BHUBANESWAR MUNICIPAL
CORPORATION (BMC) UNDER BUILD-OWN-
OPERATE-TRANSFER (BOOT) MODEL**

Tender Enquiry No.: TPCODL/P&S/2025-26/1000003876

Due Date for Bid Submission: 15.07.2025 [15:00 Hours]

**TP Central Odisha Distribution Limited
1st Floor, Anuj Building, Plot No.29, Satya Nagar,
Bhubaneswar, Odisha 751007**

CONTENTS OF THE ENQUIRY

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

1.0 Event Information

1.1. Scope of work

Open Tenders are invited from interested Bidders entering into a Contract for the following:

S. No.	Description	EMD Amount (Rs.)	Tender Fee (Rs.)
1.	Rate Contract for Solarisation of 50 civic facilities of Bhubaneswar Municipal Corporation (BMC) under Build-Own-Operate-Transfer (BOOT) Model	Rs. 2,00,000	5,000

Note: Tender Fee is inclusive of GST

1.2. Availability of Tender Documents

Please refer “Procedure to participate in the e-tender”.

1.3. Calendar of Events

(a)	Date of sale/ availability of tender documents from TPCODL Website	From 28.06.2025 onwards
(b)	Date by which Interested and Eligible Bidder to pay Tender Fee and confirm participation as mentioned in “Procedure to Participate in Tender”	04.07.2025
(c)	Last Date of receipt of pre-bid queries, if any	07.07.2025
(d)	Pre-Bid Meeting*	08.07.2025
(e)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	09.07.2025
(f)	Last date and time of receipt of Bids	15.07.2025; 15:00 Hours
(g)	Date & Time of opening technical bids & EMD (Envelope-1 & 2)	Participating Bidders will get mail intimation from TPCODL E-Tender system (Ariba) when their Technical Bids are opened.
(h)	Date & Time of opening of Price bid of qualified bidders	Bidders will get mail intimation from TPCODL E-tender system (Ariba) when their Price Bids are opened

**Pre-Bid Meeting Time and Venue details shall be shared later*

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

1.4 Mandatory documents required along with the Bid

- 1.4.1 EMD of requisite value and validity
- 1.4.2 Tender Fee of requisite amount
- 1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.

- 1.4.4 Drawing, Type Test report of PV modules and Inverter. STAAD design report for Module Mounting Structure, along with a sample of each item as specified at Annexure I (as applicable)
- 1.4.5 Duly signed and stamped 'Schedule of Deviations' as per Annexure III on bidder's letter head.
- 1.4.6 Duly signed and stamped 'Schedule of Commercial Specifications' as per Annexure IV on bidder's letter head.
- 1.4.7 Proper authorization letter/ Power of Attorney to sign the tender on the behalf of bidder.
- 1.4.8 Copy of PAN, GST, PF and ESI Registration (In case any of these documents is not available with the bidder, same to be explicitly mentioned in the 'Schedule of Deviations')
- 1.4.9 Documents for safety bid evaluation as per Appendix 13: CSM-F-9 Safety Bid Evaluation Criteria

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

1.5. Deviation from Tender

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

1.6. Right of Acceptance/Rejection

Bids are liable for rejection in absence of following documents:-

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

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

1.7 Qualification Requirement / Eligibility Criteria

1. The bidder should have average annual turnover of Rs. 5 Cr. in last three financial years from (FY 21-22, FY 22-23 & FY 23-24). **Audited Balance sheet and profit & loss account statements to be submitted.**
2. Bidder The Bidder must have installed at least three Rooftop solar with minimum 100 KW and total install cumulative rooftop capacity more than 500 KW or any similar system anywhere in the country. **Bidder should submit the Completion Certificate in this regards.**
3. Bidder should have ISO 9001 Certification. **Copy of certificate shall be submitted in this regard.**

1.8. Marketing Integrity

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

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

1.9. Supplier Confidentiality

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

2.0 Evaluation Criteria

- The bids will be evaluated technically on the compliance to tender terms and conditions
- The bids will be evaluated commercially on all-inclusive lowest cost for overall tender BOQ as calculated in Schedule of Items [Annexure I]. **Order shall be awarded to 2 nos. of Business Associate.** Hence, all bidders are advised to quote their most competitive rates against each line item.
- Bidder has to mandatorily quote against each item of Schedule of Items [Annexure I]. Failing to do so, TPCODL may reject the bids.

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

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

2.1 Price Variation Clause: The prices 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. TPCODL shall respond to the clarification raised by various bidders and the replies will be sent to all participating bidders through TPCODL e-tender system (Ariba).

Bids shall be submitted in 3 (three) parts:

FIRST PART: "EMD" as applicable shall be submitted. The EMD shall be valid for 210 days from the due date of bid submission in the form of BG / Bank Draft / Bankers Pay Order (issued from a Scheduled Bank) online NEFT/ RTGS transfer favoring 'TP Central Odisha Distribution



NIT No.: TPCODL/P&S/2025-26/1000003876

Limited' payable at Bhubaneswar. The EMD has to be strictly in the format as mentioned in General Condition of Contract, failing which it shall not be accepted by TPCODL and the bid as submitted shall be liable for rejection. A separate non-refundable tender fee of stipulated amount also needs to be transferred online through NEFT/ RTGS in case the tender document is downloaded from our website.

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

Account Name: TP CENTRAL ODISHA DISTRIBUTION LIMITED

Bank Name: SBI, IDCO Towers, Bhubaneswar

Bank Account No. : 10835304915

IFSC Code: SBIN0007891

For Tender Fee and EMD submitted via online transfer, bidder to ensure that the same are carried out through separate transactions.

The EMD in the form of Bank Draft / BG /Bankers Pay Order shall be delivered at the following address in sealed envelope clearly indicating the tender reference / enquiry number, name of tender and bidder name:

Chief (Procurement & Stores)

TP Central Odisha Distribution Limited

1st Floor, Anuj Building, Plot No.29, Satya Nagar, Bhubaneswar, Odisha 751007

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

- a) Documentary evidence in support of qualifying criteria
- b) Technical literature/GTP/Type test report etc. (if applicable)
- c) Qualified manpower (if available)
- d) Testing facilities (if applicable)
- e) No Deviation Certificate as per the Annexure III – Schedule of Deviations
- f) Acceptance to Commercial Terms and Conditions viz. Delivery schedule/period, payment terms etc. as per the Annexure IV – Schedule of Commercial Specifications.
- g) Quality Assurance Plan/Inspection Test Plan for supply items (if applicable)
- h) Project Implementation Plan including Level 2 Schedule for the project
- i) Unpriced mentioning "Quoted/Not Quoted" against all line items (Prices should not be mentioned)

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

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

THIRD PART: "PRICE BID" shall contain only the price details and strictly in format as mentioned in Annexure I along with explicit break up of basic prices, Taxes & duties, Freight etc. In case any discrepancy is observed between the item description stated in Schedule of Items mentioned in the tender and the price bid submitted by the bidder, the item description as mentioned in the tender document (to the extent modified through Corrigendum issued if any) shall prevail. Price Bid is to be submitted in soft copy through TPCODL E-Tendering system (Ariba) only. Hard copy of Price Bid not be submitted.

SIGNING OF BID DOCUMENTS:

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

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

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

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

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

3.2 Contact Information

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

All communication will be done strictly with the bidder who have done the above step to participate in the Tender.

Communication Details:**Package Owner**

Name: Arijeet Choudhury
Designation: Procurement
Contact No.: 9871432126
E-Mail ID: arijeet.choudhury@tpcentralodisha.com

Escalation Matrix

Name: Sony Jha (HoD – Contracts (TPCODL) & CCG)
Contact No.: 9204752050
E-Mail ID: sony.jha@tpcentralodisha.com

Name: Vipin Chauhan (Head – CCG, C&MM (TPCODL))
Contact No.: 9717393121
E-Mail ID: Vipin.Chauhan@tpnndl.com

Bidders are strictly advised to communicate with Package Owner through TPCODL E-tender System (ARIBA) only. They need to pay Tender Participation Fee to receive the ARIBA Log-in.

3.3 Bid Prices

Bidders shall quote for the entire Scope of Supply/ work with a break up of prices for individual items and Taxes & duties. The bidder shall complete the appropriate Price Schedules included

herein, stating the Unit Price for each item & total price with taxes, duties & freight up to destination at various sites of TPCODL. The all-inclusive prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during the execution of the supply work, breakup of price constituents.

Applicable GST to be specified clearly.

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

3.4 Bid Currencies

Prices shall be quoted in Indian Rupees Only.

3.5 Period of Validity of Bids

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

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

3.6 Alternative Bids

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

3.7 Modifications and Withdrawal of Bids

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

3.8 Earnest Money Deposit (EMD)

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

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

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

The EMD shall be forfeited in case:

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

Or

- b) The successful Bidder does not
- a) accept the Purchase Order, or
 - b) furnish the required Performance Security Bank Guarantee

4 Bid Opening & Evaluation process

4.1. Process to be confidential

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the TPCODL's processing of Bids or award decisions may result in rejection of the Bidder's Bid.

4.2. Technical Bid Opening

The bids shall be opened at TPCODL office in front of participated bidders either physically or in virtual mode. A link shall be provided to the participated bidders to view the tender opening process online. Also Participating Bidders shall get mail intimation from TPCODL E-Tender system (Ariba) when their Technical Bids are opened.

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

Next, the technical bid of the bidders who have furnished the requisite EMD will be opened, one by one. The salient particulars of the techno commercial bid will be read out at the sole discretion of TPCODL.

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

4.3. Preliminary Examination of Bids/Responsiveness

TPCODL will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order. TPCODL may ask for submission of original documents in order to verify the documents submitted in support of qualification criteria.

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

Prior to the detailed evaluation, TPCODL will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.

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

4.4. Techno Commercial Clarifications

Bidders need to ensure that the bids submitted by them are complete in all respects. To assist in the examination, evaluation and comparison of Bids, TPCODL may, at its discretion, ask the Bidder for a clarification on its Bid with respect to the TPCODL specifications and attempt will be made to bring all bids on a common footing. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted owing to any clarifications sought by TPCODL.

4.5. Price Bid Opening

The bids shall be opened at TPCODL office in front of Techno-commercially and / or safety qualified bidders either physically or in virtual mode. A link shall be provided to the bidders to

view the price-bid opening process online. Bidders shall also get mail intimation from TPCODL E-Tender system (Ariba) when their Price Bids are opened.

4.6. Reverse Auctions

TPCODL reserves the right to conduct the reverse auction as per below approach:

No of bidders allowed to participate in RA process shall be: Total No of bidders on whom tender would be split **PLUS 2** more bidders

Illustrative example: Total no of qualified bidders is 10 & tender needs to be award to @ Nos of bidders.

PLUS 2 means (02 + 02 = 04) means lowest 4 bidders i.e., L1 to L4 bidders would be allowed in the RA process. Balance, H1 to H6 bidders would not be allowed in the RA process.

In case – Total no of qualified bidders is equal to or less than the PLUS 2 number, all qualified bidders shall be allowed in the RA process.

Illustrative example: Total no of qualified bidders is 6 & tender needs to be award to single bidder. PLUS 2 means (01 + 02 = 03), so all 3 qualified bidders would be allowed in the RA process.

4.7 Award Decision

TPCODL will award the contract to the successful bidder whose bid has been determined to be the lowest-evaluated responsive bid as per the Evaluation Criterion mentioned at Clause 2.0. The Cost for the said calculation shall be taken as the all-inclusive cost quoted by bidder in Annexure I (Schedule of Items) subject to any corrections required in line with Clause 4.3 above. The decision to place purchase order/LOI solely depends on TPCODL on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that TPCODL may deem relevant.

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

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

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

6 Post Award Contract Administration

7.1. Special Conditions of Contract

1. The Rate Contract shall be valid for One Year. Order shall be executed within 120 Days from the issuance of RO. Rate shall remain FIRM till the validity of Order
2. Business Associate (BA) shall submit applicable Performance Bank Guarantee in favour of Respective DISCOM as per GCC within 15 days of issuance of Order. PBG applicable shall be 15% (10% towards AMC and 5% towards PBG) of Total Order Value (Two Nos

of BG i.e. 10% and 5% is to be submitted). Both the BGs shall be valid for a period of 5 Years plus six month of claim period from the date of issuance of RC. RO shall only be placed on successful submission of both the BGs.

3. Any change in statutory taxes, duties and levies during the contract period shall be borne by Odisha DISCOMs. However, in case of delay in work execution owing to reasons not attributable to Odisha DISCOMs, any increase in total liability shall be passed on the Bidder, whereas any benefits arising owing to such statutory variation in taxes and duties shall be passed on Odisha DISCOM.
4. All the terms and conditions of DISCOM General Conditions of Contract for Composite Orders shall be applicable.

7.2 Drawing Submission and Approval (If Applicable)

The relevant drawings and GTPs need to be submitted by BA within two weeks of receipt of Rate Contract. In case, re-submission of drawings is required on request of TPCODL, same needs to be submitted back to TPCODL within 5 days of such request.

Wherever TPCODL specifications are not available, relevant IS/IEC to be followed. All Drawings mentioned in the Tender Specification and other required for the completeness of the tender shall be submitted. Drawing submission process shall not be deemed complete of all the requirements are not complied during the submission of the same

7.3 Delivery Timelines

Business Associate shall ensure supply of the material as per mutually agreed timeline between DISCOM and Business Associate.

7.4 Warranty Period, if applicable.

As per SOW.

7.5 Payment Terms

Payment to be made within 45 Days after the successful submission of Project Completion report.

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 same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change. Please refer attached Environment Policy and Sustainability Policy, Annexure-XI for more details.

7.7 Ethics

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

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

- We shall select our suppliers and service providers fairly and transparently.
- We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
- Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their

interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.

- We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company's gifts and hospitality policy.
- We respect our obligations on the use of third party intellectual property and data.

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

Any ethical concerns with respect to this tender can be reported to Chief Ethics Counselor to the following e-mail ID: Chief Ethics Counselor Ethics@tpcentralodisha.com

8 Specification and standards

As per Annexure.

9 General Condition of Contract

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

10 Safety

All jobs are this tender have to be executed strictly in compliance to the Safety terms and Conditions of TP Central Odisha Distribution Limited. Please refer attached Safety terms and conditions, Annexure-IX, for details. Violation of Safety norms will result in Penalty as mentioned in the above document.

ANNEXURE I
SCHEDULE FOR ITEMS

S. No.	Item Description	Total Qty	UoM	Unit Rate per KW (Rs.)	GST (Rs.)	All Incl. unit rate (Rs.)	All incl. BOQ Price (Rs.)
		A		(B)	(C)	(D=B+C)	(E=AxD)
1	Design, Supply, Installation, Commissioning and Maintenance of rooftop solar systems in four locations in Virtual Net Metering (VNM) arrangement under Build-Own-Operate-Transfer (BOOT) Model for 50 Civic facilities of Bhubaneswar Municipal Corporation (BMC)	1300	KW			-	-

Signature & Seal of the Bidder

NOTE:

- The bidders are advised to quote prices strictly in the format attached.
- The bidder must fill each and every column of the format attached. ***Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.***
- No cutting/ overwriting in the prices is permissible.
- The unit price should be exclusive of taxes & duties which are to be indicated in separate columns meant for the purpose.
- The bids will be evaluated commercially on “**all-inclusive line item-wise lowest unit rate**”
- The prices shall be FOR DISCOM Locations.
- All the costs pertaining to ROW/or any other expenses for execution of work is included in the scope of BA. Accordingly, the BA needs to consider this cost while submitting their Price Bid.

ANNEXURE II

TECHNICAL SPECIFICATIONS

Technical Parameter of photovoltaic solar module and various other components for use in grid connected solar power plants.

A Grid Tied Rooftop Solar Photo Voltaic (SPV) power plant consists of SPV array, Module Mounting Structure, Power Conditioning Unit (PCU) consisting of Maximum Power Point Tracker (MPPT), Inverter, and Controls & Protections, interconnect cables and switches. PV Array is mounted on a suitable structure. Grid tied SPV system is without battery and should be designed with necessary features to supplement the grid power during daytime. Components and parts used in the SPV power plants including the PV modules, metallic structures, cables, junction box, switches, PCUs etc., should conform to the relevant standards, wherever such specifications are available and applicable:

1. PV Module Qualification

1. The PV modules used in the grid connected solar power Projects must qualify to the latest edition of any of the following IEC PV module qualification test or equivalent BIS standards.
 - a. Crystalline Silicon Solar Cell Modules IEC 61215
2. The PV modules used should be PID (Potential Induced Degradation) resistant and tested for PID as per IEC 62804.
3. In addition, PV modules must qualify to IEC 61730 for safety qualification testing @1000 V DC or higher. For the PV modules to be used in a highly corrosive atmosphere throughout their lifetime, they must qualify to IEC 61701.
4. The total solar PV array capacity should not be less than allocated capacity and should comprise of Mono PERC/ TopCon modules of minimum 540 Wp and above wattage. Module capacity less than minimum 515 watts shall not be accepted.
5. The EPC shall carefully design & accommodate requisite numbers of the modules to achieve the rated power in his bid.
6. Other general requirements for the PV modules and subsystems shall be the following:
 - I. The rated output power of any supplied module shall have positive tolerance of 5 watt.
 - II. The peak-power point voltage and the peak-power point current of any supplied module and/or any module string (series-connected modules) shall not vary by more than 2 (two) percent from the respective arithmetic means for all modules and/or for all module strings, as the case may be.
 - III. The module shall be provided with a junction box with either provision of external screw terminal connection or sealed type and with arrangement for the provision of the by-pass diode. The box shall have a hinged, weatherproof lid with captive screws and cable gland entry points or maybe of sealed type and IP-65 rated.
 - IV. I-V curves at STC should be provided by the bidder.

2. Module Mounting Structures

1. Hot dip galvanized MS/ Pre-galvanized/ Anodized Aluminium or superior material (As approved from MNRE) mounting structures may be used for mounting the modules/ panels/arrays. Each structure should have angle of inclination as per the site conditions to take maximum insolation. However, to accommodate more capacity the angle inclination may be reduced until the Project meets the specified performance ratio requirements.
2. The Mounting structure must be Flush mounting type and Non – penetrating type and any sort of penetration of the roof to be avoided. The design details are as follows:
 - i. The inclination of the module or tilt angle should be within 10-15 degrees.

- ii. The upper edge of the module must be covered with a windshield so as to avoid bulk air ingress below the module. Slight clearance must be provided on both edges (upper & lower) to allow air for cooling.
- iii. An indicative drawing is shown at the end. .
3. The Mounting structure shall be so designed to withstand the speed for the wind zone of the location where a Project is proposed to be installed (for minimum wind speed of 200 km/hour). STAAD pro report of design calculations to be provided to the TPCODL along with the project drawings & details. Suitable anti-theft fastening arrangement that do not require drilling in rooftops should be adopted to secure the installation against the specific wind speed.
4. The mounting structure steel shall be as per latest IS 2062: 1992 and galvanization of the mounting structure shall be in compliance of latest IS4759.
5. Structural material shall be corrosion resistant and electrolytic ally compatible with the materials used in the module frame, its fasteners, nuts and bolts. Aluminum structures also can be used, that can withstand the wind speed (for minimum wind speed of 200 km/hour) of respective wind zone. Necessary protection towards rusting need to be provided either by coating or anodization.
6. The anti –theft fasteners used should be made up of stainless steel. The structures shall be designed to allow easy replacement of any module. The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels
7. Regarding civil structures the SPD need to take care of the load bearing capacity of the roof and need arrange suitable structures based on the quality of roof. The total load of the structure (when installed with PV modules) on the terrace should be less than 60 kg/m2.
8. The minimum clearance of the structure from the roof level should be 100 mm.
9. The modules shall be warranted for at least 10 years for failures due to material defects and workmanship.
10. The mechanical structures, electrical works and overall workmanship of the grid solar power plants must be warranted for a minimum of 5 years.
11. The Inverters/PCUs installed in the solar power plant must have a warranty for 5 years.

3. Power Conditioners/ Inverters

The Power Conditioners/Inverters of the SPV power plants must conform to the latest edition of IEC/ equivalent BIS Standards as specified below:

Efficiency Measurements	IEC 61683
Environmental Testing	IEC 60068-2/ IEC 62093
Electromagnetic Compatibility (EMC)	IEC 61000-6-2, IEC 61000-6-4
Electrical Safety	IEC 62103/ 62109-1&2
Protection against Islanding of Grid	IEEE1547/IEC 62116/ UL1741 or equivalent EN/BIS Standards
LVRT Compliance	As per the latest CERC Guidelines/ Order/ Regulations
Grid Connectivity	Relevant CERC Regulations (including LVRT Compliance) and Grid Code as amended and revised from time to time.
Rated capacity	Nominal/Rated output power of the inverter (if different power ratings are mentioned at different temperatures, then power rating at 500 C shall be considered) in kW will be considered as inverter rated capacity.

The PCU/ inverter generated harmonics, flicker, DC injection limits, Voltage Range, Frequency Range and Anti- Islanding measures at the point of connection to the utility services should

follow the latest CEA (Technical Standards for Connectivity Distribution Generation Resources) Guidelines.

The charge controller/ MPPT units environmental testing should qualify IEC 60068-2(1, 2, 14, 30)/Equivalent BIS standard. The junction boxes/ enclosures should be IP 65 (for outdoor)/ IP 54 (indoor) and as per IEC 529 specifications.

Developer shall provide built-in meter and data logger to monitor plant performance through existing BMS workstation.

4. Cables and connectors:

Cables of appropriate size to be used in the system shall have the following characteristics:

i. Shall meet relevant standards.

ii. Temp. Range: +10°C to +80°C.

iii. Voltage rating 660/1000V

iv. Excellent resistance to heat, cold, water, oil, abrasion, UV radiation, flexible

v. Sizes of cables between array interconnections, array to junction boxes, junction boxes to Inverter, etc. shall be so selected to keep the voltage drop (power loss) of the entire solar system to the minimum. The cables (as per IS) should be insulated with a special grade PVC compound formulated for outdoor use.

vi. Cable Routing/ Marking: All cable/wires are to be routed in a GI cable tray and suitably tagged and marked with proper manner by good quality ferrule or by other means so that the cable is easily identified.

vii. It is recommended that in the interim, the Cables of 600-1800 Volts DC for outdoor installations should comply with the EN50618/ TUV 2pfg 1169/08/07 or equivalent IS for service life expectancy of 25 years.

viii. The ratings given are approximate. Bidder to indicate size and length as per system design requirement. All the cables required for the plant were provided by the bidder. Any change in cabling sizes if desired by the bidder/approved after citing appropriate reasons. All cable schedules/layout drawings approved prior to installation.

ix. Multi Strand, annealed high conductivity copper conductor PVC type 'A' pressure extruded insulation or XLPE insulation. Overall PVC/XLPE insulation for UV protection Armored cable for underground laying. All cable trays including covers to be provided. All cables conform to the latest edition BIS Standards.

x. The size of each type of DC cable selected shall be based on minimum voltage drop however; the maximum drop shall be limited to 1%.

xi. The size of each type of AC cable selected shall be based on minimum voltage drop however; the maximum drop shall be limited to 2%.

5. Other Sub-systems/Components

Other subsystems/components used in the SPV power plants (Junction Boxes, ACDB, Surge Protection Devices, lightning arrestors etc.) must also conform to the relevant international/national Standards for Electrical Safety besides that for Quality required for ensuring Expected Service Life and Weather Resistance.

6. Protection

1. Lightning Protection- The SPV power plants shall be provided with lightning & overvoltage protection. The main aim in this protection shall be to reduce the over voltage to a tolerable value before it reaches the PV or other sub system components. The source of over voltage can be lightning, atmosphere disturbances etc. The entire space occupying the SPV array shall be suitably protected against Lightning by deploying the required number of Lightning Arrestors. Lightning protection should be provided as per the IS standard. The protection against induced high-voltages shall be provided by the use of metal oxide varistors (MOVs) and suitable earthing such that induced transients find an alternate route to earth.

2. Surge Protection Internal surge protection shall consist of three MOV type surge-arresters connected from +ve and -ve terminals to earth (via Y arrangement).

3. Earthing Protection

i. Each array structure of the PV yard should be grounded/ earthed properly as per IS:3043-1987. In addition, the lightning arrester/masts should also be earthed inside the array field. Earth Resistance shall be tested in presence of the representative of TPCODL & EIC as and when required after earthing by calibrated earth tester. PCU, ACDB and DCDB should also be earthed properly.

ii. Earth resistance shall not be more than 5 ohms. It shall be ensured that all the earthing points are bonded together to make them at the same potential.

4. Grid Islanding - The PCU/ inverter shall have anti-islanding protection in conformity to IEEE1547/UL 1741/IEC 62116 or equivalent BIS standard. A manual disconnect 4 pole isolation switch beside automatic disconnection to grid would have to be provided at utility end to isolate the grid connection by the utility personnel to carry out any maintenance. This switch shall be locked by the utility personnel.

7. Identification and Traceability

Each PV module used in any solar power Project must use a RF identification tag. The following information must be mentioned in the RFID used on each module (This can be inside or outside the laminate, but must be able to withstand harsh environmental conditions):

- i. Name of the manufacturer of PV Module
 - ii. Name of the Manufacturer of Solar cells
 - iii. Month and year of the manufacture (separately for solar cells and module)
 - iv. Country of origin (separately for solar cells and module)
 - v. I-V curve for the module at Standard Test Condition (1000 W/m², AM 1.5, 250C)
 - vi. Wattage, Im, Vm and FF for the module
 - vii. Unique Serial No. and Model No. of the module
 - viii. Date and year of obtaining IEC PV module qualification certificate
 - ix. Name of the test lab issuing IEC certificate
 - x. Other relevant information on traceability of solar cells and module as per ISO 9000
- Site owners would be required to maintain accessibility to the list of Module IDs along with the above parametric data for each module.

8. Data Acquisition System / Project Monitoring

As part of the performance & project monitoring, the following shall be carried out:

a. The EPC shall maintain the list of Module IDs along with performance characteristic data for each module.

b. Weather Monitoring: The EPC must install necessary equipment to continuously measure solar radiation on module plane, ambient temperature, wind speed and other weather parameters and simultaneously measure the generation of DC power as well as AC power generated from the plant.

They will be required to submit this data to TPCODL online through a real time data monitoring system

c. The EPC shall provide access to TPCODL or their authorized representatives for installing any additional monitoring equipment to facilitate on-line transfer of data for TPCODL's data base

d. Generation Monitoring: Web-based monitoring should be available, which should not be machine dependent. The web-based monitoring should provide the same screens as available in the plant. Also, it should be possible to download reports from a remote web-client in PDF or Excel format.

e. The plant data monitoring systems should be Open Platform Communications (OPC) compliant with standard DNP3 and modbus control interfaces over TCP/ IP having the provision to add protocol converters to implement custom and secure communications protocol standard for providing real time online data (including but not limited to irradiance,

plant generation (instantaneous/daily/monthly/yearly), daily peak generation, temperature, wind speed etc.) to TPCODL

9. Authorized Test Centre

The PV modules / Power Conditioners deployed in the power plants must have valid test certificates for their qualification as per above specified IEC/ BIS Standards by one of the NABL Accredited Test Centre's in India. In case of module types/ equipment for which such Test facilities may not exist in India at present, test certificates from reputed ILAC Member body accredited Labs abroad will be acceptable.

10. Tools & Tackles and Spares

a) After completion of installation & commissioning of the power plant, necessary tools & tackles are to be provided free of cost by the bidder for maintenance purposes. List of tools and tackles to be supplied by the bidder for approval of specifications and make from TPCODL.

b) A list of requisite spares in case of PCU/inverter comprising of a set of control logic cards, IGBT driver cards etc. Junction Boxes. Fuses, MOVs / arrestors, MCCBs etc along with a spare set of PV modules are indicated, which shall be supplied along with the equipment. A minimum set of spares shall be maintained in the plant itself for the entire period of contract and Operation & Maintenance which upon its use shall be replenished.

11. Danger Boards and Signages

Danger boards should be provided as and where necessary as per IE Act. /IE rules as amended up to date. T

12. Drawings & Manuals

Two sets of Engineering, electrical drawings and Installation and O&M manuals are to be supplied. Bidders shall provide complete technical data sheets for each equipment giving details of the specifications along with make/makes in their bid along with basic design of the power plant and power evacuation, synchronization along with protection equipment.

a. Approved ISI and reputed makes for equipment be used.

b. For complete electro-mechanical works, bidders shall supply complete design, details and drawings for approval to TPCODL before progressing with the installation work.

13. Planning and Designing

a. The bidder should carry out Shadow Analysis at the site and accordingly design strings & arrays layout considering optimal usage of space, material and labor. The bidder should submit the array layout drawings along with Shadow Analysis Report to TPCODL for approval.

b. TPCODL reserves the right to modify the landscaping design, Layout and specification of sub-systems and components at any stage as per local site conditions/requirements.

c. The bidder shall submit preliminary drawing for approval & based on any modification or recommendation, if any. The bidder submits two sets and soft copy in pen drive of final drawing for formal approval to proceed with construction work.

14. Drawings to be Furnished by EPC after Award of Contract

a) The Contractor shall furnish the following drawings Award/Intent and obtain approval.

b) General arrangement and dimensioned layout.

c) Schematic drawing showing the requirement of SV panel, Power conditioning Unit(s)/ inverter, Junction Boxes, AC and DC Distribution Boards, meters etc.

d) Structural drawing along with foundation details for the structure.

e) Itemized bill of material for complete SV plant covering all the components and associated accessories. f) Layout of solar Power Array.

g) Shadow analysis of the roof

15. Warranty

- PV modules used in grid connected solar power plants must be warranted for peak output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.

16. Maintenance of Solar PV system.

a) All necessary Preventive maintenance to be carried out as per the maintenance schedules of the system.

b) Successful bidder shall tap the water from the nearest existing plumbing line for cleaning the solar PV cells

17. Safety Measures The bidder shall take entire responsibility for electrical safety of the installation(s) including connectivity with the grid and follow all the safety rules & regulations applicable as per Electricity.

18. Safe Disposal of Solar PV Modules:

The SPG will ensure that all Solar PV modules from their plant after their 'end of life' (when they become defective/ non-operational/ non-repairable) are disposed in accordance with the "e-waste (Management and Handling) Rules, 2011" notified by the Government and as revised and amended from time to time if the beneficiary refuses to take-over the solar assets post the TPA tenure of 25 years.

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NIT No.: TPCODL/P&S/2025-26/1000003876

ANNEXURE III

SCHEDULE OF DEVIATIONS

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

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

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

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

Seal of the Bidder:

Signature:

Name:

ANNEXURE IV

SCHEDULE OF COMMERCIAL SPECIFICATIONS

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

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

Seal of the Bidder:

Signature:

Name:

ANNEXURE V

CHECKLIST OF ALL THE DOCUMENTS TO BE SUBMITTED WITH THE BID

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

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

Seal of the Bidder:

Signature:

Name

ANNEXURE VI**ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT**

(To be signed and stamped by the bidder)

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

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

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

Signature & Seal of the Bidder

ANNEXURE VII
SCOPE OF WORK

Request for Proposal (RFP) for the selection of EPC vendors for Design, Supply, Installation, Commissioning and Maintenance of rooftop solar systems in four locations in Virtual Net Metering (VNM) arrangement under Build-Own-Operate-Transfer (BOOT) Model for 50 Civic facilities of Bhubaneswar Municipal Corporation (BMC)

1. Scope of Work (SOW)

Section 3 (SOW) contains about the Project, roles, and responsibilities of the individual Parties, Equipment requirements, Timelines, etc. that describe the SOW under the RFP.

1.1. About the Project

1.1.1. Introduction

1.1.1.1. Government of Odisha, under the Bhubaneswar Green City Mission have sanctioned a pilot project that entails solarisation of 50 civic facilities under the Bhubaneswar Municipal Corporation (BMC) aggregating to 1.30 MW in virtual net metering arrangement. After discussions with BMC, 50 civic facilities were identified whose details have been given in annexure 5.1.11). Similarly, for setting up the solar power plants rooftops of 4 (Four) of Micro composting Centre's (MCC) have been identified. The list of MCCs and the approximate capacity of solar power plants to be installed in each MCC have been indicated in Annexure 5.1.12).

1.1.1.2. The broad Scope of Work shall be selection of EPCs for Site assessment for design, supply, erection, commissioning and maintenance (for 5 years) of the rooftop solar power plants at the given sites.

1.1.1.3. The scope of the work further includes activities such as visiting the individual participating consumers (Civic facilities) mapped to each of the VNM projects, collecting their application forms, deciding the sharing ratio of each consumer in the VNM project, facilitating consumer agreements in the prescribed format etc.

1.1.1.4. List of VNM projects

S/N	Name of VNM project	Estimated Rooftop Area (Sq Ft)	Estimated Capacity (kW)
1	Basuaghai WC	20679.13	258
2	Laxmisagar WC	22744.5	284
3	Nicco Park WC	23166.05	290
4	Pokhariput WC	31395.67	392
		TOTAL	1224
		Round Off	1300 KW

1.1.2. Objectives

The objectives of implementing this Project are to:

1.1.2.1. Demonstrate the applicability of VNM arrangement for solarisation of Four BMC WC within the ambits of the extant regulatory framework.

1.1.2.2. Support BMC civic facilities under the VNM framework, for adoption of the VNM approach to minimize their grid power consumption, maximize green power consumption and contribute to the global environment in a meaningful way. ;

1.1.2.3. Support GRIDCO to meet their DRE RPOs.

1.1.2.4. Generate local employment.

1.1.2.5. Reduce overall carbon footprint of Bhubaneswar City

1.2. Roles and Responsibilities

1.2.1. Roles and Responsibilities of the SPG

The EPC shall be solely responsible for the design, supply, installation, commissioning and maintenance of the RTS systems for a period of 5 years and handing over the systems to the authorized representative of BMC at the end of five years and shall include all costs in regards to these activities in their financial proposal. In case, BMC desires to offer maintenance services to the EPC beyond 5 years, they may do so in mutual agreement with the concerned EPC. However, the EPC may show the cost of such maintenance service separately in the financial proposal.

1.2.1.1. Since the EPCs will be responsible for designing the systems, they should in their own interest carryout detailed and comprehensive site surveys wherein they shall ensure the suitability of roofs for installation of the RTS systems, power evacuation arrangements, connectivity points, water availability for cleaning the modules etc.

1.2.1.2. The solar PV modules to be used should consist of Mono Perc or TopCon solar cells only.

1.2.1.3. The EPC can use Non DCR solar photovoltaic modules and cells.

1.2.1.4. The EPC shall be responsible for the designing, engineering, procuring, supplying, taking insurance, packing and forwarding, loading, transporting, unloading, safekeeping of Equipment, constructing, installing, erecting, testing and commissioning of the Project. This shall be achieved in accordance with the Applicable Law, Prudent Utility Practices and all the terms and conditions of this Bidding Document consisting of the RFP, any Addendum, any Corrigendum, any Clarification, and any amendment thereto.

1.2.1.5. The EPC will also be responsible for maintenance of the solar plant for a period of 5 years from the date of commissioning of the project. If required the EPC should also extend maintenance services beyond 5 years as per the terms and conditions to be mutually agreed upon between the EPC and BMC.

1.2.1.6. The EPC shall comply grid connectivity and other regulations as applicable.

1.2.1.7. The EPC is required to obtain necessary clearances as required for setting up the Project from TPCODL and BMC.

1.2.1.8. Time is an essence in achieving the milestones and achieving the COD of the Project.

1.2.1.9. The EPC shall be responsible for obtaining applications from participating consumers and complete all other formalities as per the VNM regulations.

1.2.1.10. The EPC shall be responsible for owning the project until the same is formally handed over to BMC. .

1.2.1.11. The EPC shall be the Principal Employer of all the stakeholders directly/ indirectly involved in the Project.

1.2.1.12. The EPC shall be responsible for incurring all the costs and expenses including but not limited to all statutory charges, GST etc. related to setting up the Project.

1.2.1.13. The EPC shall be responsible for considering all the costs and expenses and its margin whatsoever to arrive at the final cost of the project. In no case TPCODL, BMC, Department of Energy, or any Government shall be responsible for the quoted price of the solar power plant.

1.2.1.14. The selected EPC shall commission the Project within six (06) months from date of issuance of LoA.

1.2.2. Roles and Responsibilities of TPCODL, BMC

1.2.2.1. TPCODL shall be the responsible for coordinating between various stakeholders for facilitation.

1.2.2.2. TPCODL shall on payment install the Net meter at the project site.

1.2.2.3. TPCODL will be responsible for taking the meter reading from the project site and adjust the exported power in the consumption of participating consumers and accordingly serve monthly bills.

1.2.2.4. TPCODL shall make all payments in respect of supply, erection, commissioning and maintenance of the solar power plant for first years.

1.2.2.5. A duly constituted Committee of TPCODL, BMC and EIC-Cum-Chief Electrical Inspector along with officials of the EPC will jointly physically inspect the Project in not more than ten (10) Days from the date of receiving a written request from the EPC and certify successful commissioning of the Project.

1.2.2.6. TPCODL shall ensure quality being maintained by the EPC based on the review of the Project Equipment, site visits and progress review and monitoring activities

1.2.2.7. TPCODL shall be responsible for conducting bidding process. TPCODL will conduct review meetings to monitor the progress and managing all aspects of the scheme.

1.2.2.8. Power to remove difficulties: If there is need for any amendment to this tender/ program for better implementation or any relaxation is required in the norms due to operational problems, TPCODL will be competent to make such amendments.

1.2.2.9. BMC can suggest the EPC structural design and material specification of the solar power plant system and supervise the quality of the structure.

1.2.2.10. BMC in case of necessity shall need to obtain permission from TPCODL for connecting the solar plant system to the nearest 33/11 KV network.

ANNEXURE VIIa**PREFERENTIAL NORMS FOR PROCUREMENT FROM MSMEs REGISTERED IN THE STATE OF ODISHA****1. Tender Fees**

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

2. Earnest Money Deposit (EMD)

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

3. Qualification Requirement for Open Tenders

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

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

4. Reservation for MSME

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

5. Performance Bank Guarantees

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



NIT No.: TPCODL/P&S/2025-26/1000003876

ANNEXURE VIII
GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract for Composite Orders.

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NIT No.: TPCODL/P&S/2025-26/1000003876

ANNEXURE IX
TATA CODE OF CONDUCT

The Owner abides by the Tata Code of Conduct in all its dealing with stake holders and the same shall be binding on the Owner and the Contractor for dealings under this Order/ Contract. A copy of the Tata Code of Conduct is available a tour website:

<https://www.tatapower.com/pdf/aboutus/Tata-Code-of-Conduct.pdf>

The Contractor is requested to bring any concerns regarding this to the notice of our Chief Procurement & Stores e-mail ID: Pourush Garg <Pourush.Garg@tpcentralodisha.com>

CONFIDENTIAL

ANNEXURE X ENVIRONMENT & SUSTAINABILITY POLICY



TP CENTRAL ODISHA
DISTRIBUTION LIMITED
(A Joint Venture of Tata Power and Government of Odisha)



Integrated Management System Policy

Quality, Safety, Occupational Health, Environment

We at TP Central Odisha Distribution Limited are committed to deliver world class service and reliable power through an energised workforce leading to ever increasing satisfaction of its customers, environmental protection and safe and healthy working condition.

This will be achieved by:

- Complying with all the requirements of ISO-9001, ISO-14001 and ISO-45001 management system standards through engaged workforce
- Complying with applicable Legal requirements
- Continually improving Quality, Environment and Occupational Health & Safety Performance
- Ensuring Environmental protection through Prevention of Pollution
- Conservation of Natural Resources
- Creating a work environment which encourages team work, safe work practices, learning and innovation
- Providing safe and healthy conditions that prevents work related injury and illness
- Eliminating hazards and reducing OH&S Risk
- Ensuring participation and consultation of workers

This policy will be made available to interested parties.

Date: 1st June, 2023



Arvind Singh
Chief Executive Officer



CORPORATE SUSTAINABILITY POLICY

At Tata Power, our Sustainability Policy integrates economic progress, social responsibility and environmental concerns with the objective of improving quality of life. We believe in integrating our business values and operations to meet the expectations of our customers, employees, partners, investors, communities and public at large

- We will uphold the values of honesty, partnership and fairness in our relationship with stakeholders
- We shall provide and maintain a clean, healthy and safe working environment for employees, customers, partners and the community
- We will strive to consistently enhance our value proposition to the customers and adhere to our promised standards of service delivery
- We will respect the universal declaration of human rights, International Labour Organization's fundamental conventions on core labour standards and operate as an equal opportunities employer
- We shall encourage and support our partners to adopt responsible business policies, Business Ethics and our Code of Conduct Standards
- We will continue to serve our communities:
 - By implementing sustainable Community Development Programmes including through public/private partnerships in and around our area of operations
 - By constantly protecting ecology, maintaining and renewing bio-diversity and wherever necessary conserving and protecting wild life, particularly endangered species
 - By encouraging our employees to serve communities by volunteering and by sharing their skills and expertise
 - By striving to deploy sustainable technologies and processes in all our operations and use scarce natural resources efficiently in our facilities
 - We will also help communities that are affected by natural calamities or untoward incidence, or that are physically challenged in line with the Tata Group's efforts

The management will commit all the necessary resources required to meet the goals of Corporate Sustainability.

(Praveer Sinha)
CEO & Managing Director

Date: 15th June, 2018

TATA POWER
Lighting up Lives!

