

NOTICE INVITING TENDER

FOR

EMPANELMENT OF VENDORS FOR DESIGN, SURVEY, SUPPLY, INSTALLATION, TESTING, COMMISSIONING & 5 YEARS COMPREHENSIVE MAINTENANCE OF DISTRIBUTED GRID-CONNECTED SOLAR PV POWER PLANTS FOR SOLARISATION OF GRID CONNECTED INDIVIDUAL PUMPS UNDER KUSUM SCHEME – COMPONENT C.

Ministry of New and Renewable Energy, Government of India (MNRE), GoI is implementing the PM-KUSUM scheme for economic upliftment of farmers across the country. One of the sub-components under component C of the scheme is solarisation of grid-connected pumps already owned by farmers. As per the scheme, the farmers are allowed to set up solar power plants of capacities double the capacity of their pumps in kW and sell the unutilized solar power to the grid at pre-determined tariffs. In order to ease out the CAPEX burden of the farmers, the Central government and State government each provide 30% of the benchmark price or the price discovered through tender whichever is lower each as capital subsidy. The balance 40% will have to be borne by the beneficiaries out of which they may avail bank loans up to 30% of the discovered cost of the power plants and make an upfront contribution of 10%. To implement the scheme across the state, respective Power Distribution companies (DISCOMs) have been designated as the implementing agency. TPCODL is authorised to execute the tendering process for the same in all four Odisha DISCOMs on behalf of TPCODL, TPNODL, TPSODL and TPWODL.

TPCODL through a process of competitive bidding will determine the L-1 prices for different capacities of solar power plants and empanel willing vendors for implementing the programme across all four DISCOMs of Odisha. The select vendors may, however, give consent to implement the programme in the operational area of one or more distribution licensees subject to their meeting other eligible conditions and depositing necessary bank guarantees. The respective DISCOMs will execute the projects in their respective operational areas through the above-empanelled vendors at the above-determined L1 prices.

TPCODL invites e-bids from eligible bidders to participate in Request for Selection (RFS) for empanelment of vendors for Site Survey, Design, Installation, Supply, Erection, Testing and Commissioning including Warranty and 5 years of Comprehensive Operation and Maintenance of Solar PV Power System in select farmers' fields. This RFS shall be governed by terms of sanction received from MNRE vide notification 318/331/2017 dated 20.08.2019 and subsequent amendments.

For the implementation of above-mentioned work, Bidders should submit their bid proposal online, complete in all aspect, on or before Last date of Bid Submission as mentioned on the Bid Information Sheet.

Bidder shall submit bid proposal along with non-refundable bid processing fee and refundable Bid Bond as per the Bid Information Sheet. Techno-Commercial bids will be opened online as per the Bid Information Sheet in presence of authorized representatives of bidders who wish to be present online. Bid proposals received without the prescribed bid processing fees and Bid Bond shall automatically be rejected. In the event of any date mentioned in bid information is declared a Holiday, the next working day shall become operative for the respective purpose mentioned herein.

Bid documents, which included eligibility conditions, technical specifications, various conditions of contract, formats etc. can be downloaded from <https://www.tpcentralodisha.com/>. Only the documents submitted at the time of Bid Submission shall be used for evaluation purpose. Bidders are advised to ensure that all supporting documents are submitted at the time of Bid Submission only, as no further clarification/amendments would be entertained in this regard on a later date. Bidders are also encouraged to familiarize themselves with the MNRE scheme available at mnre.nic.in for a clear understanding of the work and efficient execution of the same.

Any amendment(s)/ corrigendum/ clarifications with respect to this Bid shall be uploaded on above website. This bidding in CAPEX mode is being carried out for 40,000 pumps. The individual /aggregate capacities of solar power plants will however be determined after ascertaining the exact capacities of the pumps in HP by the respective DISCOMs. Assuming the average capacity of pumps to be 3 HP, the aggregate capacity of solar power plants under this tender would come to approximately 180 MW. The DISCOM wise allocation of number of pumps and approximate aggregate capacity of solar power plants is given below:

S/N	DISCOM	No. of Pumps	Approximate aggregate capacity of solar power plants (MWp)
1	TPCODL	6,000	27
2	TPSODL	6,800	31
3	TPWODL	20,000	90
4	TPNODL	7200	32
	Total	40,000	180

The different capacities of pump and the corresponding capacities of solar power plants is given below:

S/N	Capacity of pumps in HP	Corresponding capacity of solar power plants (HP*2*0.75) kWp
1	1	1.5
2	2	3.0
3	3	4.5
4	5	7.5
5	7.5	11.25

Note:

- The bidders are required to bid for all the capacities as shown above
- The final allocation of capacities in each category will be decided by the respective DISCOMs based on the total number of applications received, their geographical/feeder wise distribution, capacities of the pumps in HP etc.
- The DISCOMs reserves the right
 - To divert allotted capacity from one bidder to the other based on their respective performances.
 - To alter individual capacities of solar power plants allotted to a particular vendor within the total allotted capacity in kWp to the said vendor.
- After issuance of work order, if any vendor denies/fails to execution the allotted capacity, the same will be distributed to other vendors as per discretion of the DISCOM and in such case the performance bank guarantees deposited by the vendor(s) who deny/fail to execute the work shall be revoked and also other punitive measures as mentioned in the tender shall be taken against the said vendor.

SCOPE OF WORK

TPCODL invites bids for empanelment of vendors for “Design, supply, erection, testing and commissioning including warranty, comprehensive operation & maintenance for a period of 5 years of Grid connected ground mounted solar power plants of various capacities in the State of ODISHA under CAPEX mode.

TPCODL will empanel eligible vendors participating in this empanelment process and wish to provide their services on the price/rate discovered through transparent bidding process. The total financial assistance available under the project will be 60% of the prevailing Benchmark Cost or Discovered Rate, whichever is lower, for all capacities of solar power plants under this project. The concerned farmers will have to organize the balance 40% of the cost of the project of which, he can only pay 10% as upfront cost and avail the balance as loan from designated banks.

The respective DISCOMs will put their best efforts to distribute their allotted capacity of solar power plants in MWs amongst all select vendors keeping in view equitability in allotted capacity and contiguity in allotted operational area to the maximum extent possible. However, TPCODL in any manner shall not stand responsible for intra-DISCOM distribution of allotted capacities amongst the empanelled vendors.

The overall scope of the work under this CAPEX mode of execution shall cover site survey, design, supply, erection, testing & commissioning of the solar power plants and making all necessary arrangements for evacuation and injection of surplus power to the grid at the interconnection point. The scope further covers extending warranty against poor quality and bad workmanship of all components and sub-components of the installed solar power generation system for such periods as mentioned in the tender and providing mandatory comprehensive maintenance services for a period of 5 years.

1. The detailed Scope of Work for empanelled vendors shall essentially cover but not be limited to:

- 1.1. Identification of prospective farmers and providing necessary assistance in submitting online applications for installation of solar power projects. Initially the DISCOMs may publish the list of some select farmers whom the vendors can approach and upon convincing, make them to submit their applications online and go ahead with the rest of the processes.
- 1.2. Preparation of Detailed Project Report (DPR) of the proposed solar power plant clearly indicating the bankability of the proposed project.
- 1.3. In case the farmers is inclined to avail loan, the vendor must help him in getting her/his loan application sponsored by the respective DISCOM to the designated bank and provide other necessary support for early sanction of the loan.
- 1.4. Obtaining Net-metering approval from concerned DISCOM/designated agency for providing grid connectivity/net-metering.
- 1.5. Submission of proposal with all required documents to the DISCOM for approval of the project and sanction of subsidy.
- 1.6. Execution of the work shall be carried out in an approved manner as per the technical specifications detailed out in the RFP. In case of any departure, the relevant MNRE/BIS/ISI/NABL/ISO/IEC/IS specification shall be followed and work shall be carried out to the reasonable satisfaction of the engineer in charge.
- 1.7. The vendor shall complete the work of site survey, design, supply, civil work, erection, testing and commissioning including grid connectivity of SPV grid connected Power Plant within 4 (four) months from the issuance of the LoA. In event of failure to install and commission the project within the mentioned timeframe, the entire Performance Bank Guarantee will be

forfeited and may lead to disqualification of the vendor at the sole discretion of Implementing Agency. The penalty for non-completion will be on pro-rata basis.

- 1.8. Installation of the solar power generating system shall be done in strictly adherence to the installation SOP. The details of installation activities must be duly documented in the mobile app to be provided by the DISCOM
- 1.9. The work inter alia covers Comprehensive Maintenance Contract (CMC) for a period of 5 (five) Years. During the said CMC period, the vendor shall undertake scheduled maintenance of the project every 90 days as per the given SOP for maintenance. Similarly, in the event of reporting of a break down, the same must be attended to within 72 hours of reporting. All such maintenance activities must be duly documented in the mobile app to be provided by the DISCOM
- 1.10. Empanelled vendors shall establish a service centre to cater to 5 Years CMC. In case, it is not economically viable for an individual vendor then a Group of vendors can establish a common service centre. The details of all such service centres (address, contact no. etc.) will be made available on the website of the Implementing Agency immediately after issuance of LoAs.
- 1.11. All the material required for the installation of solar power generating system as per the work order issued shall be kept at site in the custody of the vendor; neither the Implementing Agency nor the farmer for whom the installation is meant for shall be responsible for any loss or damage of any material during the process of installation. The vendor shall be responsible and take necessary insurance against loss or damage of any or all materials during transit, storage, erection, etc.
- 1.12. The vendor shall take entire responsibility of electrical safety of the installations including connectivity with the grid and follow all the safety rules and regulations applicable as per Indian Electricity Act-2003 and prevailing CEA guidelines and amendments, it shall be responsibility of the vendor to take NOC from concerned authority and engage person as per provisions as per in CEA Rules and Regulations. The Empanelled vendor shall ensure proper safety of all the workers, material, plants and equipment belonging to him/her. In case any accident occurs during the construction / erection or during guarantee period for work undertaken by Empanelled Vendor thereby causing any minor, major, or fatal accident will be the responsibility of the Empanelled Vendor. The successful Vendors shall follow and comply with the employer's safety rules relevant provisions of applicable laws pertaining to the safety of workers, employees, plant and equipment. The Empanelled vendors shall also arrange all certificates and test reports of the module and inverter and other equipment. The Empanelled Vendors must adhere to the Operation and Maintenance procedure given in **Annexure-C** of this document.
- 1.13. **Subsidy (CFA and State subsidy) against all commissioned solar power generating systems must be claimed as per prevalent MNRE guidelines and subsequent amendments thereon, if any. The following documents must form part of the subsidy claim:**
 - 1.11.1 Dated Claim letter from the bidder on its letter head certifying that the SPV Modules and Cells deployed in the systems installed are Indian Made (DCR Undertaking as prescribed MNRE

Format as **Annexure-W**), and all the technical specifications of the components supplied and installed are in accordance with the specifications given in this document and adhere to MNRE requirement and all the information / documents provided along with the claim letter are correct and factual.

- 1.11.2 Invoice of the System billed to the beneficiary/bank.
- 1.11.3 Photograph of the system with placard held by the beneficiary and representative of Implementing Agency showing the name of the beneficiary, Implementing Agency registration number and system capacity.
- 1.11.4 The certificate of the beneficiary to the effect that the system is installed and commissioned in all respects must also indicating the date of commissioning of the system , invertor capacity, connectivity status etc. The certificate should also include acknowledgement of the beneficiary with regards to receipt of all necessary, guarantee/ Warranty Cards, O&M Manual (in Odia language) and copy of AMC agreement
- 1.11.5 Overwritten certificates/ documents shall be rejected outright.
- 1.11.6 Self-certified copies of documents will be submitted in support of claims made by the Empanelled Vendors.
- 1.11.7 The subsidy shall be released subject to availability and release of funds from MNRE, GoI and GoO to the Implementing Agency.
- 1.11.8 Third party Inspection may also be carried prior to disbursement of subsidy. Such third party inspectors may either be nominated by MNRE or appointed by the respective Implementing Agency.

Bid Information Sheet

Bid Description

This bidding in CAPEX mode is being carried out for 40,000 pumps. The individual /aggregate capacities of solar power plants will however be determined after ascertaining the exact capacities of the pumps in HP by the respective DISCOMs. Assuming the average capacity of pumps to be 3 HP, the aggregate capacity of solar power plants under this tender would come to approximately 180 MW. The DISCOM wise allocation of number of pumps and approximate aggregate capacity of solar power plants is given below:

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Bidders must submit their bids for all the capacities of solar power plants as shown in the above table. Bidders, however, have the choice to bid for any or all the DISCOMs subject to their fulfilling other eligibility criteria.

RFP No. – TPCODL/P&S/1000000294/2022-23

Broad Scope	<p>Identification of farmers, site survey, Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing & Commissioning of the Grid-connected solar power generating system including Maintenance (O&M) of the system for a period of 5 years in CAPEX Mode.</p> <p>Total timeline for the above Scope of Work up to Commissioning of project is 6 (Six) Months from the date of issuance of LoA.</p>
Downloading of RFP document	The Bid Document can be downloaded from the TPCODL Website from https://www.tpcentralodisha.com/
Pre-Bid Conference/ Clarification meeting	TBD
Submission of Tender Fee	<p>Last Date for submission of Tender Fee will be on 10.10.2022, 15:00 Hrs.</p> <p>After submission of tender fee the details of transactional, need to be sent to arijeet.choudhury@tpcentralodisha.com with copy to Sudhakar.Behera@tpcentralodisha.com before last date and time for payment of Tender Fee.</p> <p>ARIBA link shall only be shared with bidders who will submit tender fee within the due timeline.</p>
Online Bid submission Deadline	<p>Date: 31.10.2022</p> <p>Time: 15:00 Hrs</p>
Physical submission of documents	No Physical Submission, Only Online Submission.
Validity of Bid	Validity of bid shall be minimum 180 Days from the date of techno-commercial bid opening date
Validity of Price	1 Year after the date of issuance of Empanelment Letter.
Tender Fee (In favour of TP Central Odisha Distribution Limited (Non-refundable))	<p>Rs. 5000 (Including GST)*.</p> <p>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 –</p> <p>Beneficiary Name – TP Central Odisha Distribution Ltd. Bank Name – STATE BANK OF INDIA Branch Name – IDCO Towers, Bhubaneswar Address – PO- Sahidnagar, Janapath, Bhubaneswar. Branch Code – 7891 Account No – 10835304915 IFSC Code – SBIN0007891</p> <p>*MSMEs registered in the State of Odisha shall pay tender fee of Rs. 1,000/- including GST.</p>
Bid Bond/EMD	<p>Rs. 10, 00,000 **</p> <p>** EMD shall be exempt for MSMEs registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years</p>

RFP No. – TPCODL/P&S/1000000294/2022-23

	in case it backs out post award of the contract apart from other punitive measures under the tender. MSME bidder needs to submit Bid Security Declaration as per the attached format.
Bid Process	ARIBA link shall only be shared with bidders who will submit tender fee within the due timeline. 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).
Name, Designation, Address and other details of Tender Inviting Authority	Name: Mr. Arijeet Choudhury Designation: Procurement (Commercial Services) Contact No.: 9871432126 E-Mail ID: arijeet.choudhury@tpcentralodisha.com
Important Note:	Prospective bidders are requested to remain updated for any notices/amendments/clarifications etc. to the RFP document through the website: https://www.tpcentralodisha.com/ . No separate notifications will be issued for such notices/ amendments/ clarification etc. in the print media or individually. All the information related to this RFP shall be updated on the website.