

NOTICE INVITING TENDER

FOR

EMPANELMENT OF VENDORS FOR “DESIGN, SUPPLY, ERECTION, TESTING AND COMMISSIONING INCLUDING WARRANTY, COMPREHENSIVE OPERATION & MAINTENANCE OF GRID-CONNECTED ROOFTOP SOLAR PLANT OF VARIOUS CAPACITIES UNDER PHASE-II OF GCRTS SCHEME OF MNRE BEING IMPLEMENTED IN THE STATE OF ODISHA

The Ministry of New and Renewable Energy, Government of India (MNRE) is implementing Phase-II of Grid Connected Rooftop Solar (GCRTS) Programme wherein central financial assistance (CFA) is being provided for installation of rooftop solar (RTS) projects in residential buildings. To implement the RTS activities in respect of the aforesaid programme, respective Power Distribution companies (DISCOMs) have been designated as the implementing agency. TPCODL is authorised to execute the tendering process for RTS Phase-II programme in all four Odisha Discoms on behalf of TPCODL, TPNODL, TPSODL and TPWODL.

TPCODL will identify L-1 rates and empanel vendors for implementation of the programme. The respective DISCOMs will execute RTS projects in their operational areas through the empanelled vendors, in accordance with the rates discovered in this tender.

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 Roof Top Solar PV Power System for Residential Consumers in the state of Odisha. 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 include Eligibility criteria, “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 in evaluation process. Bidders are advised to ensure that all supporting documents are submitted at the time of Bid Submission, as no further clarification/amendments would be entertained in this regard. Bidders are also encouraged to familiarize themselves with the MNRE scheme available at SPIN portal (solarrooftop.gov.in) for efficient execution.

Any amendment(s)/ corrigendum/ clarifications with respect to this Bid shall be uploaded on above website.

The bidding process under this Rooftop scheme is for **20 MWp** on CAPEX Model.

S. No.	DISCOM	Allocated Capacity	Description	Proposed Capacity					
				Part-A	Part-B	Part-C	Part-D	Part-E	Part-F
				1 kW	2 kW	3 kW	Above 3 kW to 10 kW	Above 10 kW to 100 kW	Above 100 kW to 500 kW
1	TPCODL	5000 KW	Tentative Aggregate Capacity (kW)	1000	700	800	750	750	1000
3	TPSODL	5000 KW	Tentative Aggregate Capacity (kW)	1500	1250	1000	750	500	0
5	TPNODL	5000 KW	Tentative Aggregate Capacity (kW)	1000	700	800	750	750	1000
7	TPWODL	5000 KW	Tentative Aggregate Capacity (kW)	1000	750	1500	1250	500	0

Note:

1. The minimum bidding capacity in each Part is 100KW
2. The final allocation of capacity in each part will be decided by each Implementing agency based upon the bid proposals received and to accommodate the full allocated capacity by MNRE.
3. For common facilities in Group Housing Societies/Residential Welfare Associations (GHS/RWA) etc. the allowed RTS capacity shall be limited up to 500 kWp (@ 10 kWp per house), with the upper limit being inclusive of individual rooftop plants already installed by individual residents in that GHS/RWA at the time of installation. Bidders are requested to quote Minimum Capacities in each part as per above table.
4. Implementing Agency reserves the right for diversion of capacity from one bidder/ category to another (including transfer of unallocated capacity to OPEN Category) for 100% utilization of capacity sanctioned by MNRE, GoI.

SCOPE OF WORK:

TPCODL invites bids for empanelment of firms for Design, supply, erection, testing and commissioning including warranty, comprehensive operation & maintenance for a period of 05 years of Grid connected Rooftop solar plants of various capacities in the State of ODISHA under CAPEX model.

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 CFA available from MNRE would be limited to 40% of the prevailing Benchmark Cost or Discovered Rate, whichever is lower, for project capacity up to 3 kW. For project capacity above 3 kW and up to 10 kW, the available CFA would be 20% of the prevailing Benchmark Cost or Discovered Rate, whichever is lower. Group Housing Societies/Residential Welfare Associations (GHS/RWA) etc. are allowed to install RTS projects up to 500 kW capacity (@ 10 kWp per house), with the upper limit being inclusive of individual rooftop plants already installed by individual residents in that GHS/RWA at the time of installation of RTS for common activity.

TPCODL will not be responsible in case any empanelled vendors do not get any work order. The consumers under this scheme shall be free to install their projects from any empanelled vendors subject to the condition that project shall have to be installed/commissioned as per the MNRE Phase-II Guidelines and subsequent amendments.

The empanelled vendors will carry out the design, supply, erection, testing and commissioning including warranty, comprehensive operation & maintenance for a period of 05 years for CAPEX Model of grid interactive rooftop solar PV power plant and shall make all necessary arrangement for evacuation and injection of surplus power to the grid at the interconnection point/ points as agreed with DISCOMs.

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

- 1.1. Identification of prospective beneficiaries and providing necessary assistance to the prospective beneficiary in submitting online applications for installation of RTS project.
- 1.2. Preparation of Detailed Project Report (DPR) of the proposed Proposal of Rooftop Solar Power Plant.
- 1.3. Obtaining Net-metering approval from concerned DISCOM/designated agency for providing grid connectivity/net-metering.
- 1.4. Submission of proposal with all required documents to Implementing Agency for sanctioning of the project.
- 1.5. Execution of the work shall be carried out in an approved manner as per the technical specification of RFP. In case of any dispute, 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.
- 1.6. The vendor shall complete the work of Design, supply, civil work, erection, testing and commissioning of SPV grid connected Power Plant within 6 months from the issuance of the sanction letter or 24 Months from date of sanction Order from MNRE to DISCOM, whichever is earlier. In event of failure to install and commission the RTS system 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.

- 1.7. The work covers Design, supply, installation, commissioning and Comprehensive Maintenance Contract (CMC) for 05 (Five) Years.
- 1.8. Empanelled vendors shall establish a service centre to cater the 05 Years CMC. In case if it is not economically viable for an individual vendor then 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.
- 1.9. All the material required for the installation of solar power plant as per the work order issued shall be kept at site in custody of the vendor; Implementing Agency shall not be responsible for any loss or damage of any material during the installation. The vendor shall be responsible and take an insurance policy for transit-cum-storage-erection for all the materials.
- 1.10. 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 workmen, 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 or 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 workmen, 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.
- 1.11. **The CFA claims of the systems installed and commissioned shall be processed with following documents:**
 - 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.
 - 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 Certificate of the beneficiary that the system is installed and commissioned in all respect with the date of commissioning, system and inverter capacity, etc. and that he has been provided the 05 (Five) Year Warranty Card and the O&M Manual.

- 1.11.5 Overwritten certificates/ documents shall be out rightly rejected and will not be processed for CFA payment.
- 1.11.6 Self-certified copies of documents will be submitted in support of claims made by the Empanelled Vendors.
- 1.11.7 The CFA shall be released subject to availability and release of funds from MNRE, GoI to Implementing Agency.
- 1.11.8 Third party Inspection may also be carried for disbursement of CFA. Third party Inspection will be carried out by the Agency nominated by MNRE or Implementing Agency.