

PUNJAB STATE POWER CORPORATION LTD.

Regd. Office: PSEB Head Office, The Mall, Patiala-147001
 Corporate Identification Number (CIN): U40109PB2010SGC033813
 Website: www.pspcl.in

NOTICE INVITING TENDER

RFP No.44/IPC/RTS/2023-24 dated 13.06.2023

Punjab State Power Corporation Limited invites e-bids from eligible bidders to participate in Request for Selection (RFS) of bidder for Site Survey, Design, Supply, Installation, Testing and Commissioning including Warranty and 5 years of Comprehensive Operation and Maintenance of Roof Top Solar PV Power System at **PSPCL, Head office building, the Mall Patiala and at Guest House building, Power Colony no.1, Model Town Patiala of capacity 105 kW and 35 kW (approx.) respectively**, through **E-tender web Portal of State e-procurement Portal** (<https://eproc.punjab.gov.in>)

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 tender document fee and refundable EMD-cum-Commissioning security 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 tender document fees and EMD-cum-Commissioning security 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://eproc.punjab.gov.in>. 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.

The bidding process under this Rooftop scheme is for 140 kW comprising of CAPEX Model.

S. N	Name of building	Proposed Capacity (approx.)
1.	PSPCL Head office building, The mall Patiala	105 kW
2.	PSPCL Guest House building, Power Colony No. 1, Model Town Patiala	35 kW

Important note:- PSPCL had discovered the rate of Rs 50072/- per kW for capacity range 100 kW to 500 kW through Tender Enquiry No: 32/IPC/RTS/2021-22 dated 28.04.2022 for installation of rooftop solar plants for residential consumers for period 08.09.2022 till 18.01.2024 and this rate is inclusive of total system cost including Photo-Voltaic solar modules, inverters, balance of systems including cables, Switches/ Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightning arrester, local connectivity cost, cost of civil works, foundations etc. and its installation, commissioning, transportation, insurance, comprehensive maintenance charges for five years, other applicable fees and taxes, if any. The above-mentioned costs are excluding net metering cost and battery back-up costs.

The above-mentioned rate (Rs 50072/- per kW) should be considered as the ceiling rate for bidding and the selection of bidder will be based on the discounted rate offered (in Rupees per kW) below this ceiling rate.

Important events and their schedule for this E-Bid are as under:

S. No.	Particulars	Date and time	Place
1	Online Bid submission Deadline	Date: 05.07.2023 Time: 02:00 PM	Superintending Engineer/ Investment Promotion Cell, PSPCL, T8, IPC, Thermal Design, Shakti Vihar, PSPCL, Patiala
2	Physical submission of documents	Date: 05.07.2023 Time: 02:00 PM	
3	Date of Technical bids opening	Date: 07.07.2023 Time: 11.00 AM	

SCOPE OF WORK:

The scope of work shall essentially cover but not be limited to:

Site Survey, design, supply, erection, testing and commissioning including warranty and 05 years of comprehensive operation & maintenance of grid-connected rooftop solar PV plant. For the purpose of this tender, the components of a Grid Connected Rooftop Solar PV System shall essentially comprise but not be limited to Mono-crystalline solar PV Panels/modules of required number, Inverters/PCU, module mounting structures of minimum 300 mm ground clearance at the lowest point from the roof surface, total Cable/wiring, cable conduits, required array junction boxes, DC distribution box, AC distribution box, various connectors, nut-bolts, civil and mechanical works, Protection-Earthing, lightning, surges, drawing & manual and other miscellaneous works.

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.

The vendor shall complete the work of Design, supply, civil work, erection, testing and commissioning of SPV grid connected Power Plant within six months from the issuance of the sanction letter/approval letter by PSPCL. In event of failure to install and commission the RTS system within the mentioned timeframe, the entire EMD cum Commissioning Security will be forfeited and may also lead to disqualification of the vendor at the sole discretion of Punjab State Power Corporation Limited.

The work covers site survey, Design, supply, installation, testing & commissioning including warranties and Comprehensive Maintenance Contract (CMC) for 05 (Five) Years. 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 bidder, Punjab State Power Corporation Limited shall not be responsible for any loss or damage of any material during the installation. The bidder shall be responsible and take an insurance policy for transit-cum-storage-erection for all the materials.

The bidder 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 bidder to take NOC from concerned authority and engage person as per provisions of CEA Rules and Regulations.

The bidder 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 bidder thereby causing any minor or major or fatal accident will be the responsibility of the bidder. The successful bidder 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 bidder shall also arrange all certificates and test reports of the module and inverter and other equipment. The bidder must adhere to the Operation and Maintenance procedure given in this document.

Superintending Engineer/
Investment Promotion Cell, PSPCL Patiala