

PUNJAB STATE ELECTRICITY REGULATORY COMMISSION

**REQUEST FOR PROPOSAL (RFP)
FOR
STUDY OF DETERMINING THE
POWER INTENSIVE INDUSTRY (PIU) STATUS OF THE
ELECTROPLATING INDUSTRIES, HARDENING FURNACES,
TEMPERING FURNACES, METAL GATHERING MACHINES, WELDING
MACHINES / BUTT WELDING MACHINES AND POWER COATING
EQUIPMENTS INDUSTRIES.**

LAST DATE OF SUBMISSION: 19.05.2022

CONTENTS

Sr. No.	Description	Page Number
1	General Instructions	1-8
2	Annexure-I: Performa for Exceptions and Deviations	9
3	Annexure-II: Experience of Team / Consultant's Personnel	10
4	Annexure-III: Scope of Work	11-12
5	Annexure-IV: Terms of Payment	13
6	Annexure-V: Check List	14

GENERAL INSTRUCTIONS

SECTION-I

1.0 Instructions to Bidders:

- 1.1 Bidders are required to furnish all information and documents as called for in this RFP document in English. Any printed literature furnished by the bidder in another language should be accompanied with an English translation, in which case, for the purpose of interpretation of the document, the English version will be referred.
- 1.2 Proposal should be neatly typed.
- 1.3 All additions, alterations and over-writings in the proposal or accompanying documents must be clearly initialed by the authorized signatory.
- 1.4 In the case of consortium, the proposal document shall be submitted by the leader of the consortium. The proposal document is not a transferable.
- 1.5 **EARNEST MONEY DEPOSIT (EMD)**
 - (i) Bidder shall be required to submit Earnest Money (EMD) of Rs. 50,000/- in the form of Bank Draft, in favour of Secretary, PSERC along with the Tenders:-
 - (ii) The following shall be exempted from depositing the Earnest Money:-

Public Sector undertakings owned by Punjab Govt./Central Govt./other State Govt. through units owned by them subject to submission of documentary evidence of Government ownership. This exemption shall not be available if the bid is submitted through private unit.
 - (iii) Earnest Money shall be forfeited in case of withdrawal/modification of an offer within the validity period, as required in the NIT/Tender Specification after opening of Tender.
 - (iv) In case of successful bidder, Earnest Money shall be converted into the Security Deposit and shortfall, if any shall be got deposited for faithful execution of Contract.
 - (v) In case of bids not accepted, the Earnest Money shall be refunded within 30 days of the award of order/contract to the successful bidder.

(vi) If a firm withdraws its bid before the due date of opening, the EMD of the firm shall be refunded.

(vii) No Interest shall be paid by PSERC on EMD deposited by the bidders.

1.6 The bid document shall be submitted in the following manner:-

- a) The bid shall be accompanied with requisite earnest money and placed in a separate sealed envelope marked as 'BID EARNEST MONEY' on the top of the envelope.
- b) The bid price should be quoted as explained hereinafter and should be placed in a separate sealed envelope clearly marked as 'PRICE BID FOR STUDY OF DETERMINING THE PIU STATUS OF the Electroplating Industries, Hardening Furnaces, Tempering Furnaces, Metal gathering Machines, Welding Machines / Butt Welding Machines and Power Coating equipment industries' on the top of the envelope.
- c) All the other documents explained hereinafter shall be furnished in a separate sealed envelope and marked as 'TECHNICAL BID FOR STUDY OF DETERMINING THE PIU STATUS OF THE ELECTROPLATING INDUSTRIES, HARDENING FURNACES, TEMPERING FURNACES, METAL GATHERING MACHINES, WELDING MACHINES / BUTT WELDING MACHINES AND POWER COATING EQUIPMENTS INDUSTRIES' on the top of the envelope.
- d) The sealed envelope of earnest money and sealed envelope of technical bid should be placed in one single sealed envelope and marked as "Bid earnest money and Technical Bid". This envelope and price bid envelope should be put inside one single packet, sealed. Name and address of the bidder should also be clearly written on the packet.

1.7 All documents shall be submitted at the following address on or before 1500 Hrs. on 19.5.2022.

Secretary,
Punjab State Electricity Regulatory Commission,
Site No. 3, Sector 18-A, Chandigarh-160 018

1.7.1 PSERC may at its discretion extend the due date and time for submission of the proposal.

- 1.8 Any proposal received after the due date and time shall be rejected. PSERC shall retain all documents submitted by the bidder. PSERC takes no responsibility for delay, loss or non-receipt of documents sent by post / courier / or other means.
- 1.9 The bids of the prospective bidders shall be opened as per the following schedule:
 - 1.9.1 1st envelope containing earnest money deposit & technical bid of all the bidders shall be opened **at 15:00 Hrs on 19.5.2022.**
 - 1.9.2 The 2nd envelope containing financial bid of only those bidders shall be opened on 30.5.2022 at 15:00 hrs who qualifies the technical bid score.
 - 1.9.3 In case the above scheduled date happens to be a holiday, the bids shall be received and opened on the next working day. All Saturdays & Sundays are regular holidays.
- 1.10 The bidder may properly check the proposal before submission to ensure that all information / documents required are included.
- 1.11 At any time prior to opening of proposals, PSERC either at their own initiative or in response to clarifications requested by a prospective bidder may modify the bid document by issuing an amendment. In addition, such amendment(s) shall be sent by mail/e-mail to the bidders who have already submitted their bids.
- 1.12 The proposals as submitted shall indicate in the technical bid that proposal is 'FIRM' and that the proposal shall remain valid for a period of not less than 120 days from the date of opening of proposal.
- 1.13 PSERC shall examine the proposal to determine (at the time of opening of technical bids) to determine whether the proposals are substantially responsive to the requirements to the RFP document. Proposals shall be considered non responsive and liable for rejection for the following reasons.
 - a) Proposal is not received by the due date and time.
 - b) Proposal is not accompanied with requisite earnest money.
 - c) Proposal is not accompanied with the required documents.
 - d) Proposal is not 'FIRM'.
 - e) Proposal is not valid for the requisite minimum period.
- 1.14 PSERC shall take up evaluation of only responsive bids.

- 1.15 PSERC reserves the right to reject any proposal in case, at any time, a material misrepresentation is made or uncovered.
- 1.16 In the event of any bidder not responding to further clarifications as required for the finalization of the bid, PSERC reserves the right to forfeit the bid earnest money furnished by such bidder.
- 1.17 Any deviation to any clause of RFP document must be properly spelt out in Exceptions and Deviations Statement to be submitted along with the bid as per Annexure-I giving details of page number and clause number and detailing the deviation.
- 1.18 PSERC reserves the right to accept or reject any deviation or modify the relevant clauses of the RFP document to the extent necessary. Exceptions and Deviations Statement in the prescribed Performa, as per Annexure-I, must be attached with the proposal.
- 1.19 After opening of financial bid and till final selection of successful bidder, no correspondence of any type shall be entertained, unless called for by PSERC. Any type of uncalled for clarifications shall not be entertained.
- 1.20 Authorized representative of the bidder should sign each page of the submitted documents.
- 1.21 Proposal documents submitted by consortium of two or more partners shall comply with the following minimum requirements.
 - a) The proposal must describe responsibility of each partner of the consortium and the commitments each partner has made or intends to make for this assignment.
 - b) The proposal document must designate one or more person(s) to represent the consortium in its dealings with PSERC.
 - c) All partners of the consortium shall be jointly and severally responsible for complete execution of the task under reference in accordance with the signed agreement.
 - d) Change in consortium shall not be permitted unless approved by the Commission.
- 1.22 Proposal preparation is the responsibility of the bidder and no relief or consideration can be given for errors and omissions. All costs towards submission of proposal documents etc. shall be borne by the bidders themselves.

- 1.23 Consultant shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients that may place them in a position of not being able to carry out the assignments objectively and impartially.
- 1.24 The consultant, or any entity affiliated with the Consultant, engaged by the Commission shall in no case represent or give opinion or advice to other stakeholders in any matter which is adverse to the interest of the Commission. This would constitute a 'Material Breach of Contract'.
- 1.25 Bidders are informed that PSERC is neither under any obligation to select any bidder, nor to give any reason for selecting any bidder; PSERC is also under no obligation to proceed with the work or part thereof.
- 1.26 Successful bidder shall be required to execute the contract in the prescribed format in accordance with the PSERC (Engagement of Consultant) Regulations, 2012, as amended from time to time. In the event of failure of bidder to execute the contract within notice period from the date of receipt of acceptance of the proposal, full earnest money deposit shall stand forfeited and PSERC may consider placing order on next competitive bidder.
- 1.27 Scope of Work and Terms of Payment shall be as per Annexure – III and IV respectively.
- 1.28 The other terms and conditions not stipulated in this document shall be as per provisions laid down under PSERC (Engagement of Consultant) Regulations, 2012, also containing Model Contract for Engagement of Consultants and PSERC Purchase Procedure.
- 1.29 SECURITY DEPOSIT
- (i) The successful bidder shall be required to submit interest free Security deposit for faithful execution of the Contract at the rate of three percent (3%) of ordered value rounded off to a multiple of Rs. 10/- on the higher side.
- (ii) Ordinarily the Earnest Money received against bids shall be converted into Security Deposit. If the amount of earnest money received is more than the amount of Security Deposit required against the Contract, the balance shall be refunded within one month of the finalization of the bid and in case of shortfall, if any, the bidder shall be required to deposit the additional amount.

- (iii) The Offices owned by Punjab Govt/Central Govt./other State Govt.through units owned by them subject to submission of documentary evidence of Government ownership shall be exempted from depositing security against contracts given to them. Exemption shall not be applicable if the Tender is submitted through private unit.
- (iv) On faithful execution of Contracts in all respects, including warranty period, if any, Security Deposit of the Supplier shall be released. The refund shall be made within 30(thirty) days from the Completion of work.
- (v) In the event of default on the part of the Supplier in the faithful execution of Contract, the Security deposit shall be forfeited.

The forfeiture of Security Deposit shall be without prejudice to any other rights arising or accruing to PSERC under relevant provisions of the Contract like penalty etc. including suspension of business dealings with PSERC for a specific period.

- 1.30 PSERC reserves the rights to reject/cancel all/any bid, without assigning any reason.
- 1.31 Penalties: In case, the assigned work is not completed within the prescribed time and is delayed for the reasons attributable to the firm, deduction shall be made @ 1.00% per day of the amount subject to a maximum penalty of 5%.

SECTION-II

2.0 Information to be furnished by the Bidders

2.1 Team Leader and Members

The experience and qualifications of the team proposed to be assigned for the task should be indicated as per Annexure-II. Details of experience of team leader and member (s) should be given for electricity sector projects in India in the said annexure. The requisite documents for support of the claim be attached.

2.2 Experience:The bidder should provide details of the assignments of providing assistance to ERCs / DISCOMS in technical studies on power quality parameters. The requisite documents for support of the claim be attached.

2.3 Financial Bid

The bidder should quote charges on the following Performa for 'Study for DETERMINING THE PIU STATUS OF the Electroplating Industries, Hardening Furnaces, Tempering Furnaces, Metal gathering Machines, Welding Machines / Butt Welding Machines and Power Coating equipments industries', in one quote including travel, stay, office expenses or any other sundry charges. This quote should include all taxes & levies liability. The price bid should be placed in a separate sealed envelope and should be clearly marked as "Price bid for "Study forDETERMINING THE PIU STATUS OF the Electroplating Industries, Hardening Furnaces, Tempering Furnaces, Metal gathering Machines, Welding Machines / Butt Welding Machines and Power Coating equipment industries".

Price in Rs. (Including all Taxes and Levies)	
In figures	In words

- i) Consultants are required to quote the prices in the Indian currency only inclusive of all taxes & duties.

SECTION-III

3.0 Proposal Evaluation Criteria

The following shall be the criteria for technical evaluation of proposals contained in the bid documents.

3.1 Team Leader and Member

Constitution of the assigned team in respect of number of members, their qualifications, experience and number of man days proposed to be devoted to the assignment.

30 Marks *

3.2 Experience of Organization

Number of assignments in which the Organization has assisted the different Electricity Regulatory Commissions / DISCOMS in technical studies on power quality parameters.

30 Marks **

3.3 i) Concept note on the understanding of the job covered in the scope of the work and its execution.

ii) List of measuring instruments available with it for the proposed study along with calibration status of each of the instruments.

40 Marks

* The team should comprise of atleast 2 members (including team leader). Team members should be engineering graduates (Electrical / Electronic or equivalent qualifications). Each member of the team should have handled at least two assignments of assisting the ERCs / DISCOMS in Technical studies on power quality parameters.

** The bidder should have handled preferably two assignments of assisting the Electricity Regulatory Commissions / DISCOMS in Technical studies on power quality parameters.

Grand Total 100 Marks

The bidders scoring minimum 80 marks shall be considered as Technically Qualified.

3.4 Financial Evaluation

Price bid of only those bidders shall be opened who qualifies the technical bid score.

Annexure-1

PROFORMA FOR EXCEPTIONS AND DEVIATIONS

The bidder is required to stipulate the list of Exceptions and Deviations, if any, in the Performa given below:-

Sr. No.	Description	Reference	Exception / Deviation desired

Signature of the Bidder

EXPERIENCE OF TEAM/ CONSULTANT'S PERSONNEL

Sr. No.	Designation	Name	Qualification	Requisite Experience	Area of specialization	Task assignment for carrying out the job awarded to the bidder	Remarks
1	Team Leader						
2	Team Member-1						
3	Team Member-2						

Signature of the Bidder

SCOPE OF WORK

1.1 As per Supply Code, the consumers shall comply with harmonic standards as specified by the CEA for various voltage levels. Current/Voltage harmonics generated by PIU industries affect the Distribution System on account of various parameters like Voltage Dip, Voltage flickers and Voltage & current waveform distortion, harmonics, capacity loss of the utility Distribution System, Demand Factor, Energy loss in Distribution System, etc.

In view of above, as per existing instructions, following units/processes are considered Power Intensive Units (PIU).

“Induction furnaces, Chloroalkaline units, Billet heaters, Surface hardening Machines, Electrolytic process industries, Electrical Bell Furnace for Annealing, Arc Furnaces (including Electro Slag Refining units)”

In petition No. 62 of 2021, an issue has been raised before the Commission regarding PIU status of the Electroplating Industries, Hardening Furnaces, Tempering Furnaces, Metal gathering Machines, Welding Machines / Butt Welding Machines and Power Coating equipments industries. The Consultant is to submit expert recommendations, whether the following industries are to be considered under PIU category or not on the basis of expert study of the process supportive with requisite technical measurements as per relevant applicable standards for the sample industries of each process as under:

- i) Electroplating Industries:
 - a) 1 No. industry from South Zone (Ropar and Patiala distribution circles) having load more than 5000kW.
 - b) 3 No. industries from Central Zone (Ludhiana) having load between 100kW to 5000kW
- ii) Hardening Furnaces:
 - a) 2 No. industries from South Zone (Ropar and Mohali distribution circles) having load between 200kW to 1000kW.
 - b) 2 No. industries from Central Zone (Ludhiana) having load more than 1000kW.
- iii) Tempering Furnaces:
 - a) 1 No. industry from South Zone (Mohali distribution circle) having load between 200kW to 3000kW.
 - b) 1 No. industry from Central Zone (Ludhiana or Khanna) having load more than 1500kW.
- iv) Metal gathering Machines:

2 No. industries from South Zone (Ropar distribution circle) having load more than 200kW.
- v) Welding Machines / Butt Welding Machines:

- a) 1 No. industry from South Zone (Ropar distribution circle) having load between 150kW to 1000kW.
- b) 1 No. industry from Central Zone (Ludhiana) having load more than 1000kW.
- vi) Power Coating equipment:
 - a) 1 No. industry from South Zone (Ropar distribution circle).
 - b) 1 No. industry from Central Zone (Ludhiana) having load more than 1000kW.

2. **The Consultant shall submit the draft study report within two months from award of the contract.** The particular industry for which study is to be got conducted shall be finalized after the award of the contract.

TERMS OF PAYMENT

- 1 Terms of Payment**
- 1.1 Payment for services rendered will be made in two installments. The first installment consisting of 50% of the contracted amount/fee will be made after submission of draft report to the PSERC.
- 1.2 Second installment of balance 50% of the contracted amount/fee will be payable after the submission of the final draft of the report after incorporating the comments/recommendations on the comments of PSPCL on the draft report and acceptance of the final draft of the report by the PSERC.

CHECK LIST

Applicant shall complete this checklist and submit the same along with bid document. Checklist only covers certain important items required for evaluation of proposal. It has been enclosed to ensure that applicant has submitted all the necessary data / information as called for in the bid document.

Please tick 'yes' or 'no' to ensure compliance.

Sr. No.	Description	Whether	
		Yes	No
1	Mode of participation		
	i) As single bidder		
	ii) On consortium basis		
2	Whether the bid document is in English language?		
3	Whether requisite earnest money in appropriate form has been enclosed?		
4	Whether the bid is 'FIRM'?		
5	Whether the proposal is valid for minimum requisite period of 90 days?		
6	Whether following documents have been submitted?		
	i) Exceptions and deviations sheet.		
	ii) Experience of Team/Consultant's Personnel.		
	iii) Experience of the Team / consulting Firm/Organisation.		
7	Financial bid placed in separate sealed envelope.		
8	Concept note and list of instruments		
9	Whether sealed envelopes of Bid have been placed in a sealed packet.		
10	Whether a list of documents, data, brochures etc. submitted in support of the claims mentioned in the proposal document has been enclosed.		
11	Whether each page of the bid document has been signed by the authorized signatory.		

Signature of the Bidder