



**NATIONAL PRODUCTIVITY COUNCIL**  
**Regional Directorate, Bengaluru**

**Advertisement - Request for Quotation for Hiring of Instruments for  
Measurement Services under the scope of Power Quality Audit &  
Thermography Audit**

Tender No. RD/BNG/C-1/2026

Date: 13.07.2026

## **1. INTRODUCTION**

National Productivity Council (NPC) is national level organization to promote productivity culture in India. Established by the Ministry of Industry, Government of India in 1958, it is an autonomous, multipartite, non-profit organization with equal representation from employers' & workers' organizations and Government, apart from technical & professional institutions and other interests. NPC is a constituent of the Tokyo-based Asian Productivity Organization (APO), an Inter-Governmental Body, of which the Government of India is one of the founder members.

NPC teams up with its clients to work out solutions towards accelerating productivity, enhancing competitiveness, increasing profits, augmenting safety and reliability, and ensuring better quality. It provides reliable database for decision-making, improved systems and procedures, work culture as well as customer satisfaction both internal & external. The solutions can be all-encompassing or specific depending on the nature of the problem. Promotional and catalytic in nature, NPC's services have bearings on economic growth and quality of life. The Council promotes a comprehensive view of productivity focused on improving triple bottom line – economic, environmental, and social and adds value for all the stake holders through generation & application of advanced knowledge for inclusive Growth. For further details, please visit our web site: [www.npcindia.gov.in](http://www.npcindia.gov.in)

## **SECTION-1 Invitation of Techno-Commercial Proposals**

1. Agency/Vendors are advised to study the document carefully. Online Submission shall be deemed to have been done after careful study and examination of the bid document with full understanding of its implications.
2. Not more than one RFQ shall be submitted by one bidder or bidders having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e., when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
3. Agency/vendors that have downloaded the tender from the NPC website [www.npcindia.gov.in](http://www.npcindia.gov.in) shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected, and tenderer is liable to be banned from doing business with NPC.
4. Bids will be opened as mentioned in Clause 6 (c). After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be

intimated.

## 5. Schedule for Invitation to Bid

### a) Addressee and Address:

Shri. Swarupan Das  
Deputy Director & Head,  
National Productivity Council,  
II Floor, KSDB Building, 55, Risaldar Street,  
Seshadripuram, Bengaluru-560020.  
Email: [swarupan.das@npcindia.gov.in](mailto:swarupan.das@npcindia.gov.in) / [bangalore@npcindia.gov.in](mailto:bangalore@npcindia.gov.in)

### b) Name of the Contact Person for any clarification:

Shri. Sanjay Seetharaman  
Deputy Director  
Energy Management Division,  
Email: [sanjay.s@npcindia.gov.in](mailto:sanjay.s@npcindia.gov.in)  
Ph: 9482337649

### c) Important Dates:

The following table provides information regarding the important dates of the Bid process:

#### **CRITICAL DATE SHEET**

|                            |                                        |
|----------------------------|----------------------------------------|
| PUBLISHED DATE             | 20 <sup>TH</sup> JULY 2026             |
| SUBMISSION START DATE      | 20 <sup>TH</sup> JULY 2026             |
| SUBMISSION END DATE & TIME | 25 <sup>TH</sup> JULY 2026 UP TO 15:00 |
| BID OPENING DATE           | 25 <sup>TH</sup> JULY 2026             |

## 6. Proposal Submission Process

- Agency/vendor needs to submit technical details and financial quotation for above mentioned work as separate attachments through email. (Separate attachments in PDF format).
- Technical Bid should contain signed & scanned copy of the advertisement inviting proposal, filled in Annexure-I and supporting documents.
- The Financial quotations / bid should contain only the Annexure-II.
- Please note that Agency/vendor need to submit the financial quotation (in PDF file format) with password protection.
- Both the bidding documents should be submitted via mail to [sanjay.s@npcindia.gov.in](mailto:sanjay.s@npcindia.gov.in) by marking a copy to [swarupan.das@npcindia.gov.in](mailto:swarupan.das@npcindia.gov.in) on or before the specified date and time.
- After Bid Submission end date and time on successful qualifying the technical evaluation process, NPC will request (vide email: [sanjay.s@npcindia.gov.in](mailto:sanjay.s@npcindia.gov.in)) to share the password of financial bid for evaluation. The password to be shared only through return email.
- If the vendor does not meet the technical criteria(s), no email will be sent from NPC requesting to share the financial bid password.

## 7. Important Instructions

- i. The financial quote is to be as per Annexure-II and the professional fees with applicable taxes should be clearly mentioned.
- ii. All Travel (TO/FRO), lodging/ boarding charges etc. is purely in the scope of bidder.
- iii. Even though proposal may satisfy the above requirements, the same may be disqualified for the following reasons:
  - i) If misleading or false representation of facts are made or deliberately suppressed in the information provided in the forms, statements, and enclosures of this document.
  - ii) If they have a record of poor performance such as abandoning work, not properly completing the contract or financial failures/weaknesses.
  - iii) If confidential inquiry reveals facts contrary to the information provided by the agency/vendor or unsatisfactory performance in any of their previous engagement.

- iv. All agencies must follow the project monitoring and quality review guidelines as decided by NPC on case-to-case basis.
- v. Any agency can be debarred if the performance during the execution of project or compliance with the guidelines is found to be unsatisfactory.
- vi. National Productivity Council reserves the right to accept or reject any or all the quotations either fully or partly at any stage without assigning any reason.
- vii. All the information collected during the process of study is strictly confidential and no part of the work to be reported anywhere.
- viii. The measurement points mentioned in this document are indicative; if additional measurements are required to ensure completeness of the measurement scope, or if certain measurements need to be repeated, the agency shall carry out such additional measurements upon the request.
- ix. All instruments used for the study shall be calibrated and certified.
- x. If selected, the agency shall be required to commence the work within a weeks notice.
- xi. The quoted price should be valid for one year.

## **Section-2 Technical Support Services to be provided to NPC:**

1. NPC, Bengaluru intends to conduct Power Quality Audit & Thermography Audit study at Kolar District.

### **2. Scope of Work:**

**The detailed scope of work pertaining to study includes the following. The services, including but not limited to following should be provided to NPC, Bengaluru by the successful bidder:**

- o The Agency/vendor has to provide the following instruments / meter:
  - a) Portable Power Analyser with Harmonic measurement upto 50 levels and CT rated for 6000A. The CT should be flexible loop type able to wound around bus bar of 150-200mm width x 50-100mm thick. – 1 No.
  - b) Thermography Camera. – 1 No.
  - c) Earth Resistance Meter. – 1 No.at the project site along with technical qualified personnel to operate the instrument and complete the field study.
- o The Agency/vendor is required to submit the field measurement data and other data taken during the field study in soft copy and hard copy.
- o The detailed scope is enclosed in the **Annexure-A**
- o All the measurements with necessary documents as per the format provided shall be submitted through email to [sanjay.s@npcindia.gov.in](mailto:sanjay.s@npcindia.gov.in) on or before 1 week from the start of the field study

### **3. Pre-Qualified Selection Criteria:**

The following pre-qualified criteria are essential for conducting the above-mentioned activities:

- Must have carried out at least two similar assignments.

The instruments must have a valid calibration certificate. The same is to be submitted along with the field measurement report to NPC.

NPC would assess the technical proposal based on the above qualification criteria. The financial quotation would be opened only for the technically qualified agencies/vendors. Final selection would be based on L1 (Least Cost System) criteria.

#### **4. Payment & Other Terms:**

##### **Estimated Cost:**

**Unit I - Rs. 10,000 /- (Rupees Ten Thousand only) exclusive of applicable GST per 12hrs manday.**

**Unit II - Rs. 8,000 /- (Rupees Eight Thousand only) exclusive of applicable GST per 12hrs manday.**

**Unit III - Rs. 1,000 /- (Rupees One Thousand only) exclusive of applicable GST per 12hrs manday.**

##### **Payment Terms:**

- 100% payment shall be released upon successful completion of the measurements of the respective units, to the satisfaction of NPC official /client, and upon handover of all measurement data.
- Payment will be made after deducting TDS.

You are requested to submit on or before 25.07.2026, which comprises of the following.

- 1) Annexure I & II, attached separately by mail (as indicated in Section -1 & 2 above)
- 2) Calibration certificates of the instruments. However, in case the agency is unable to submit the list of instruments along with valid calibration certificates at the time of tender submission, the same shall be produced prior to or at the commencement of the field visit.

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**ANNEXURE-I**

**Format of Application for Submission of Technical Proposal**

|     |                                                                                                                                                   |  |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1.  | Name of the company                                                                                                                               |  |
| 2.  | Type of Organization (Please provide copies of Memorandum& Articles of Association, etc.)                                                         |  |
| 3.  | Year of Establishment                                                                                                                             |  |
| 4.  | Address of Corporate Office, Telephone/Tele fax Numbers, corporate email-ID and website URL name of the Applicant                                 |  |
| 5.  | Names, Address and Email IDs & mobile numbers of Authorized Representatives/contact persons                                                       |  |
| 6.  | Name and addresses of Directors/Partners/Proprietors/Key Managerial Personnel                                                                     |  |
| 7.  | GST No. (Attach supporting documents)                                                                                                             |  |
| 8.  | Company or Firm PAN Number (attach supporting documents)                                                                                          |  |
| 9.  | Details of Applicant's Account<br>1. Bank Name & Branch<br>2. Account Name<br>3. Account Number<br>4. IFSC<br>(Attach supporting documents)       |  |
| 10. | Nature of present or previous association with NPC (if any) for providing similar or any other nature of service<br>(Attach supporting documents) |  |

|     |                                                                                                                                                                                                       |  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 11. | List the business association/work executed of Similar Nature. Provide Supporting Documents. (Minimum 2 Workorders)                                                                                   |  |
| 12. | Details of Skilled Manpower for conducting the field Study:                                                                                                                                           |  |
| 13. | List the instruments in possession as per the Scope:                                                                                                                                                  |  |
| 14. | <p>Have you been blacklisted/debarred by any of the Government Undertakings/Companies /Organizations, and if so, name of the</p> <p>i. Company as well as period of debarring and reasons thereof</p> |  |

**(Authorized Signature & Seal)**

**ANNEXURE-II**

**Format of Application for Submission of Financial Proposal**

I, \_\_\_\_\_ interested in conducting the following Power Quality Audit & Thermography Audit and the cost is as given below.

**Unit -I**

|                                                               |  |
|---------------------------------------------------------------|--|
| <b>Total Value In figures: In Words:</b>                      |  |
| <b>Applicable Taxes (GST):</b>                                |  |
| <b>Gross Total Value (incl. of GST) In figures: In Words:</b> |  |

**Unit -II**

|                                                               |  |
|---------------------------------------------------------------|--|
| <b>Total Value In figures: In Words:</b>                      |  |
| <b>Applicable Taxes (GST):</b>                                |  |
| <b>Gross Total Value (incl. of GST) In figures: In Words:</b> |  |

**Unit -III**

|                                                               |  |
|---------------------------------------------------------------|--|
| <b>Total Value In figures: In Words:</b>                      |  |
| <b>Applicable Taxes (GST):</b>                                |  |
| <b>Gross Total Value (incl. of GST) In figures: In Words:</b> |  |

*Send password protected file for the unit mentioned in section 2*

**(Authorized Signature & Seal)**

## **SCOPE OF WORK FOR WATER FLOW MEASUREMENT STUDY**

### **1. OBJECTIVE**

The objective of the assignment is to measure the power quality at incomer bus bar (LT), and distribution panels for various time duration depending upon the directions of CEA:

### **2. SCOPE OF COVERAGE**

#### **A: Power Quality**

The agency shall carry out instrument-based power quality measurements using portable power analyser meter at identified locations.

The following minimum measurement points shall be covered:

Incomer Panel Bus Bars / Distribution Panel Bus Bars

Min. Nos. of measurement points: Minimum 10 (or actual number as per CEA)

Measurements shall include:

Line/RMS - V, A, KW, KVAR, PF, THDv, THDa, Flicker, Power quality index, etc. with logging trigger at 1min duration.

#### **B: Thermography**

The agency shall carry out instrument-based thermography measurements using portable thermography camera at identified locations.

The following minimum measurement points shall be covered:

All Transformers, Incomer Panels, Distribution Panels

Min. Nos. of measurement points: Minimum 40 (or actual number as per CEA)

Measurements shall include:

Hot Spot Temp., Clear Raw Image, Clear Thermographic Image with all spots highlighted.

#### **C. Earth Resistance**

The agency shall carry out instruments-based Earth Resistance measurement using Earth Resistance Meter at identified locations.

The following minimum measurement points shall be covered:

All Earthing pits

Min. Nos. of measurement points: Minimum 55 (or actual as per CEA)

Measurements shall include:

Earth Resistance values

### **3. TIME FRAME**

Total duration: 5-7 days

### **4. GENERAL REQUIREMENTS**

All measurements shall be instrument-based using requisite instruments with appropriate ratings & safety.

Instruments shall be calibrated and suitable for measurement conditions

Proper coordination with site personnel is required

Data accuracy and confidentiality shall be maintained

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