

ರಾಷ್ಟ್ರೀಯ ಉತ್ಪಾದಕತಾ ಪರಿಷತ್

(ಡಿ.ಪಿ.ಐ.ಐ.ಐ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಚಿವಾಲಯ, ಭಾರತ ಸರ್ಕಾರ)
೨ನೇ ಮಹಡಿ, ಅಭಯ ಕಾಂಪ್ಲೆಕ್ಸ್, ಕೆ.ಎಸ್.ಡಿ.ಐ. ಬಿಲ್ಡಿಂಗ್,
೫೫, ರಿಸಾಲ್ದಾರ್ ಜೀಡಿ, ಶೇಷಾದ್ರಿಪುರಂ, ಬೆಂಗಳೂರು-೫೬೦ ೦೨೦

राष्ट्रीय उत्पादकता परिषद

(डी.पी.आई.आई.टी, वाणिज्य और उद्योग मंत्रालय, भारत सरकार)
दूसरी मंजिल, अभय कॉम्प्लेक्स, के.एस. डी. बी भवन,
५५, रिसालदार मार्ग, शेषाद्रीपुरम, बैंगलुरु, - ५६० ०२०



National Productivity Council

NATIONAL PRODUCTIVITY COUNCIL

(DPIIT, Ministry of Commerce & Industry, Govt. of India)
2nd Floor, Abhaya Complex, KSDB Building,
55, Risaldar Street, Seshadripuram, Bengaluru - 560 020
Tel: 080-23467294 / 23467296
Email: bngnpc@gmail.com / bangalore@npcindia.gov.in

File No. 205

Tender No.: BA/EM/C11/2022-23/WA-02

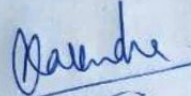
Letter of Invitation

Dear Sir / Madam,

Sub: RFP to Conduct Water Audit as per CGWA / KGWA Norms at various locations in Karnataka

Regional Directorate, Bengaluru is inviting bids from companies to carrying out Water Audit as per CGWA / KGWA Norms. The RFP for this project is 'Two Bid System' having "Technical Bid" and "Financial Bid" components respectively. You need to submit softcopy of your proposal in single compressed file having both Technical Bid and Financial Bid. The Financial Bid File should be Password Protected (Mandatory). The last date for receipt of the bids is 16th May 2022. The proposal submitted should be valid for 6 months.

RFP Document Approved by


(C. Narendra)
Regional Director

Date: 09/05/2022

PROJECT AT GLANCE

Request for Proposal (RFP) to Conduct Water Audit as per CGWA/KGWA Norms	
Tender No.	BA/EM/C11/2022-23/WA-02
Release Date	09 th May 2022
Pre-Bid Enquiries via Email	11 th May 2022 (5:30 PM)
Last Date for Bid Submission	16 th May 2022 (12:00 PM)
Opening of Technical Bid	16 th May 2022 (12:15 PM)
Opening of Financial Bid	16 th May 2022 (1:45 PM)
Bid Processing Fee (MSME are Exempted)	INR 590/- (Non-Refundable)
Correspondence Officer (For Clarification / Information)	Sanjay Seetharaman Assistant Director, Energy Management Division, National Productivity Council Regional Office, KSDB Building, Abhaya Complex, Seshadripuram, Bengaluru – 20 Mobile: +91-9482337649 Email ID: sanjay.s@npcindia.gov.in CC to: bangalore@npcindia.gov.in
Note: Bids should be valid for 6 months	

Submission and Evaluation of Proposal

- The original proposals need to be submitted via email to bangalore@npcindia.gov.in [Cc to sanjay.s@npcindia.gov.in] and must be addressed to:
Sanjay Seetharaman
Assistant Director, Energy Management Division,
National Productivity Council
Regional Office, KSDB Building,
Abhaya Complex, Seshadripuram, Bengaluru – 20
Mobile: +91-9482337649
- The e-mail must clearly indicate the name of the project “RFP to Conduct Water Audit as per CGWA / KGWA Norms”
- The Evaluation Committee shall evaluate the Technical Proposals for bidders based on methodology of execution, understanding of scope and qualification of Team.

Evaluation Process**PRE-QUALIFICATION CRITERIA:**

Sl. No.	Pre-Qualification Criteria	Supporting Documents
1.	The Company should be registered in India under the Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act 1932 or LLP registered under LLP Act 2008 with their registered office in India or Individual / Proprietary Firm registered with MSME.	(Copy of Certificate of Incorporation/ Registration / MoA / Udyog Aadhaar Registration Certificate as applicable)
2.	The Company should have successfully carried out at least	(Completion Certificate/ Work



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Sl. No.	Pre-Qualification Criteria	Supporting Documents
	Three Water Audit within India, or Five Energy Audit within India in any of the last three Financial Years starting 2019-20.	Order/ Purchase Order or CA certified certificate)
3.	The Company should have Certified Energy Auditor from Bureau of Energy Efficiency / Certified Water Efficiency Professional (CWEPTM) from Association of Energy Engineers.	(List to be provided along with supporting certification)
4.	The Company should have at least one set of Calibrated Instruments consisting of Ultrasonic Flow Meter with accessories, Energy – Power Meter with accessories, Standard Pressure Gauge with suitable connectors, 5000 ml Beaker, Stop Watch.	(List of Instruments available, quantity, and respective Calibration Certificate to be provided)
5.	Bid Processing Fees (MSME are Exempted)	The Bidder must submit a non-refundable Bid Processing Fees of INR 500+18% GST = INR 590/- Name of Bank: State Bank of India Branch: Race Course Road, Bengaluru (06198) Account Number: 40176986195 Type: SB Account IFSC Code: SBIN0006198 (UTR No. & Date of Payment needs to be mentioned in Checklist)

TECHNICAL EVALUATION CRITERIA:

Sl. No.	Technical Evaluation Criteria	Points
1.	The Company should be registered in India under the Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act 1932 or LLP registered under LLP Act 2008 with their registered office in India or Individual / Proprietary Firm registered with MSME.	10 Marks
2.	The Company should have successfully carried out at least Three Water Audit within India or Five Energy Audit within India in any of the last three Financial Years starting 2019-20. 3 – 5 Audits: 15 Marks 6 – 10 Audits: 20 Marks 11-15 Audits: 25 Marks (Note: Bidder should highlight either one of the above	25 Marks



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Sl. No.	Technical Evaluation Criteria	Points
	criteria to be considered. Mentioning both would lead to disqualification)	
3.	The Company should have Certified Energy Auditor from Bureau of Energy Efficiency / Certified Water Efficiency Professional (CWEPTM) from Association of Energy Engineers.	10 Marks
4.	The Company should have at least one set of Calibrated Instruments consisting of Ultrasonic Flow Meter with accessories, Energy – Power Meter with accessories, Standard Pressure Gauge with suitable connectors, 5000 ml Beaker, and Stop Watch. Ultrasonic Flow Meter with accessories: 15 Marks Energy – Power Meter with accessories: 10 Marks Standard Pressure Gauge with suitable connectors: 10 Marks 5000 ml Beaker & Stop Watch: 5 Marks	40 Marks
5.	Methodology of Execution: Detailed methodology is to be provided stating the execution plan be used to accomplish the scope of work provided, understanding of CGWA / KGWA Norms, Structure of Report, Adherence to the Timeline, Team Strength & Qualification.	15 Marks
Total		100 Marks

FINANCIAL EVALUATION:

1. Financial bids of only technically qualified bidders shall be opened i.e. of those who score minimum 70 Points out of 100 Points in technical evaluation.
2. The bidder must provide **Lumpsum Cost for each Plant separately** against the Scope of work and will be **evaluated as separate bids** for each assignment. The financial bid has to be submitted in the formats given in this document.
3. The financial proposal files submitted to National Productivity Council must be password protected, failing which bids will not be considered. The password should be provided only when asked by Corresponding Officer of National Productivity Council, Regional Office, Bengaluru during the financial bid opening meeting.
4. The Project would be awarded to the bidder with the Lowest Total Financial Bid Quotation (L1).

Water Audit Objectives

1. Identify the water sources, storage and distribution
2. Water treatment facilities, efficiency and cost of operation
3. Water consumption for process, utilities, potable, plantation and others
4. Identifying water losses, excess use and under use
5. Wastewater generation



6. Wastewater treatment facilities, efficiency and reuse / disposal
7. Wastewater treatment cost of operation
8. Water balance studies and calculation of specific water consumption
9. Identifying water saving measures by preventing losses, excess use and changes in process
10. Calculating raw water cost, water treatment cost, wastewater treatment cost

Scope of Work

1. Water Audit has to be conducted as per rules laid in detailed water audit procedures mandated by Gazette Notification issued by Ministry of Jal Shakti dated 24th September 2020. The audit should also be in line to various orders released by respective State Ground Water Department (SGWD) from time to time. If any discrepancies are noted among rules set by CGWA and State Ground Water Department (SGWD), then the orders released by State will hold the merit while formulating the report.

2. Technical Details of Plants:

PLANT 1:

Sector: Pharmaceutical Manufacturing

Ground Water Extraction of **185-250 kLD** (Not exceeding 75,000 m³/year)

No. of Bore Wells: **Five**

Purpose: Industrial, Drinking & Domestic use only.

Location: North Karnataka

Category: Safe

PLANT 2:

Sector: Mines (8 Mines – Common Bore Wells)

KGWA NOC received for extraction of **1601 kLD** (Not exceeding 5,84,365 m³/year)

No. of Bore Wells: **Nine**

Purpose: Industrial, Mines, Drinking & Domestic use only.

Location: North Karnataka

Category: Safe

3. Water Audit would involve discussions with Client's Nodal Officer to arrive at measurement points, Single Line Diagram of Water Circuit of entire plant listing all incoming and outgoing stream, Water Balance, Test reports of Water and Effluents samples from NABL Lab, Replenishment activities undertaken for Ground Water Level Enhancement along with Hydrography Data of the location, Water Conservation measures along with Cost Analysis of the recommendations, Compliance Table as per CGWA/SGWD.
4. Audit report should be inclusive of:
 - a) Documenting water supply and storage facilities
 - b) Documenting water and wastewater treatment facilities
 - c) Documenting consumption, losses and excess use
 - d) Water balance sheet preparation
 - e) Documenting water and wastewater treatment cost of operation
5. All Instruments should be calibrated and selected consultants / consulting companies need to submit the calibration certificate.



6. The consultants / consulting companies would be willing to undertake water audit in the above mentioned sectors but not limited to same.

Schedule for Completion of Audit

1. The Field study should commence within 10 days of issue of Work Order from NPC.
2. The Draft Report should be submitted to NPC Officer who would be leading the study, within 15 days after completion of Field study.

Other Terms & Conditions

1. NPC would facilitate the Team with initial meeting with Client and plan of execution with day to day milestones.
2. The Team should follow strict behavior norms and professionalism during the course of engagement and under no point during the Audit, NPC would tolerate any leniency with regards to working ethics.
3. All data collected would be property of National Productivity Council and under no circumstances should the consultant / consulting companies use it without prior approval apart from making Draft Reports for NPC.
4. The Consultants / Consulting Companies have to quote inclusive of all charges (Including Travel Charges and Boarding & Lodging Charges).
5. Advance of not more than 20% would be provided for mobilization of Team (Discretion of NPC).
6. Remaining amount would be provided after the acceptance of the report by NPC's Client.

Final Outputs

1. Draft report as per NPC's template containing all points listed under Scope of Work.
2. All Hard Copies of documents collected during the Audit from NPC's Client.
3. All modifications / update of Draft report until acceptance by NPC's Client.

In case of any further clarifications feel free to contact the correspondence officer as listed above.



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CHECKLIST FOR TECHNICAL BID (In Company's Letter Head)

Sl. No.	Pre-Qualification & Technical Evaluation Criteria	Supporting Documents	Remarks
1.	The Company should be registered in India under the Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act 1932 or LLP registered under LLP Act 2008 with their registered office in India or Individual / Proprietary Firm registered with MSME.	(Copy of Certificate of Incorporation/ Registration / MoA / Udyog Aadhaar Registration Certificate as applicable)	
2.	The Company should have successfully carried out at least Three Water Audit within India, or Five Energy Audit within India in any of the last three Financial Years starting 2019-20 (Note: Either Water Audit or Energy Audit is to be submitted).	(Completion Certificate/ Work Order/ Purchase Order or CA certified certificate)	
3.	The Company should have Certified Energy Auditor from Bureau of Energy Efficiency / Certified Water Efficiency Professional (CWEP™) from Association of Energy Engineers.	(List to be provided along with supporting certification)	
4.	The Company should have at least one set of Calibrated Instruments consisting of Ultrasonic Flow Meter with accessories, Energy – Power Meter with accessories, Standard Pressure Gauge with suitable connectors, 5000 ml Beaker, Stop Watch.	(List of Instruments available, quantity, and respective Calibration Certificate to be provided)	
5.	Bid Processing Fees (MSME are Exempted)	The Bidder must submit a non-refundable Bid Processing Fees of INR 500+18% GST = INR 590/- Name of Bank: State Bank of India Branch: Race Course Road, Bengaluru (06198) Account Number: 40176986195 Type: SB Account IFSC Code: SBIN0006198 (UTR No. & Date of Payment needs to be mentioned)	
6.	Methodology of Execution:	(Separate sheet detailing the	

Sl. No.	Pre-Qualification & Technical Evaluation Criteria	Supporting Documents	Remarks
	Detailed methodology is to be provided stating the execution plan be used to accomplish the scope of work provided, understanding of CGWA / KGWA Norms, Structure of Report, Adherence to the Timeline, Team Strength & Qualification.	parameters required)	
7.	Financial Bid File's Password Contact Person Name & Mobile Number		

Signature of Authorized Signatory

Name:

Date:

Location:

Seal:

**NATIONAL PRODUCTIVITY COUNCIL
REGIONAL OFFICE, BENGALURU
ENERGY MANAGEMENT DEPARTMENT**

FINANCIAL BID

NAME OF THE PROJECT: Request for Proposal (RFP) to Conduct Water Audit as per CGWA/KGWA Norms

TENDER No.: BA/EM/C11/2022-23/WA-02

Plant No.	Description of work	Qty.	Unit	Rate	Total
				In fig.(Rs.)	Rs
Plant 1	Conducting Water Audit as per CGWA / KGWA Norms in Pharmaceutical Plant located in North Karnataka , as per the RFP document / Tender No. BA/EM/C11/2022-23/WA-02 along with all associated terms & condition mentioned in the above tender document.	1	Lump Sum Job		
				GST @ 18%	
				Total	

Total Quotation Value:/- (Rupees only)

I, the undersigned, offer to provide the Assignment/Job for [Conducting Water Audit as per CGWA / KGWA Norms at Pharmaceutical Plant located in North Karnataka] in accordance with your Request for Proposal dated 09th May 2022, in Two Bid System (Technical Bid & Financial Bid). Our attached Financial Bid (in password protected .pdf file) is for the sum of [Insert amount(s) in words and figures]. This amount is inclusive of all taxes. I hereby confirm that the financial Bid is unconditional, and we acknowledge that any condition attached to financial bid shall result in rejection of our financial bid. Our Financial Bid shall be binding upon us up to expiration of the validity period of the Proposal, i.e., till 6 months. I understand that you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Agency:

Address:

Seal:

**NATIONAL PRODUCTIVITY COUNCIL
REGIONAL OFFICE, BENGALURU
ENERGY MANAGEMENT DEPARTMENT**

FINANCIAL BID

NAME OF THE PROJECT: Request for Proposal (RFP) to Conduct Water Audit as per CGWA/KGWA Norms

TENDER No.: BA/EM/C11/2022-23/WA-02

Plant No.	Description of work	Qty.	Unit	Rate	Total
				In fig.(Rs.)	Rs
Plant 2	Conducting Water Audit as per CGWA / KGWA Norms at Mines located in North Karnataka , as per the RFP document / Tender No. BA/EM/C11/2022-23/WA-02 along with all associated terms & condition mentioned in the above tender document.	1	Lump Sum Job		
				GST @ 18%	
				Total	

Total Quotation Value:/- (Rupees only)

I, the undersigned, offer to provide the Assignment/Job for [Conducting Water Audit as per CGWA / KGWA Norms at Mines located in North Karnataka] in accordance with your Request for Proposal dated 09th May 2022, in Two Bid System (Technical Bid & Financial Bid). Our attached Financial Bid (in password protected .pdf file) is for the sum of [Insert amount(s) in words and figures]. This amount is inclusive of all taxes. I hereby confirm that the financial Bid is unconditional, and we acknowledge that any condition attached to financial bid shall result in rejection of our financial bid. Our Financial Bid shall be binding upon us up to expiration of the validity period of the Proposal, i.e., till 6 months. I understand that you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Agency:

Address:

Seal: