

REQUEST FOR QUOTATION

Procurement of Non-Consulting Services under RFQ/Shopping Procedures

Purchaser: Meghalaya Power Generation Corporation Ltd (MePGCL)

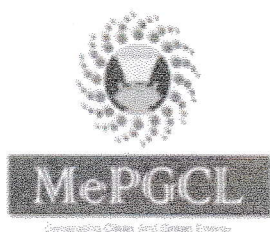
Contract title: *“Engagement of an agency for conducting Comprehensive Structural Safety Audit of Spillway Bridge at Umiam Stage–III, Kyrdemkulai Dam Through Visual Inspection and Non-Destructive Testing (NDT) under DRIP II& III”*

RFQ No: IN-MEGHALAYA SPMU-532826-NC-RFQ

S#	Description	Date & Time
1	Date of Issue of RFQ	August 17th 2026
2	Last Date and Time of submission of RFQ	August 31st 2026 by 1500 Hrs.
3	Opening of RFQs	August 31st 2026 at 1600 Hrs.

Applicable Procurement Guidelines/Regulations Date:

[Procurement Regulations November 2020]



MEGHALAYA POWER GENERATION CORPORATION LIMITED
Corporate Identification Number : U40101ML2009SGC008392
Office of the Chief Engineer (C), Hydro Planning & Hydro Construction
Lumjingshai, Short Round Road, Shillong – 793001
☎: 0364-2590113, email: cehphc.mepgcl@gmail.com

No. MePGCL/CE/C/HP&HC/DRIP-II/T-98(A-7)/2026/8

Date: August 17th 2026

**INVITATION FOR ENGAGEMENT OF AN AGENCY FOR CONDUCTING
COMPREHENSIVE STRUCTURAL SAFETY AUDIT OF SPILLWAY BRIDGE AT
UMIAM STAGE–III, KYRDEMKULAI DAM THROUGH VISUAL INSPECTION AND
NON-DESTRUCTIVE TESTING (NDT) UNDER DRIP II& III”**

To,

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Subject: **INVITATION FOR ENGAGEMENT OF AN AGENCY FOR CONDUCTING
COMPREHENSIVE STRUCTURAL SAFETY AUDIT OF SPILLWAY BRIDGE AT
UMIAM STAGE–III, KYRDEMKULAI DAM THROUGH VISUAL INSPECTION AND
NON-DESTRUCTIVE TESTING (NDT) UNDER DRIP II& III”**

Dear Sir,

Government of India has received a funding from the World Bank toward the cost of *Dam Rehabilitation and Improvement Project (DRIP-II&III)*, **Meghalaya Power Generation Corporation Limited (MePGCL)**, is the implementing agency of the Project and intends to apply part of the proceeds towards eligible payments under the contract for which this invitation for non-consulting services is issued.

I.

1. Background:

The Government of India, under the Ministry of Jal Shakti has started the Dam Rehabilitation and Improvement Projects (DRIP) phase II & III as one of the flagship projects with the following objectives:

1. To improve the safety and operational performance of selected existing dams and associated appurtenances in a sustainable manner.
2. To strengthen the dam safety institutional setup in the State and at the Center.
3. To explore the alternative incidental means to generate the incidental revenue for sustainable operation and maintenance of dams.

MePGCL is implementing the Dam Rehabilitation and Improvement Project (DRIP) – Phase II&III, with financial assistance from the World Bank, coordinated by Central Water Commission (CWC). DRIP–II&III aims to improve the safety, operational performance, and long-term sustainability of existing dams and associated appurtenant structures.

The spillway bridge at Umiat Stage–III, Kyrdemkulai, being an important appurtenant structure facilitating

access and operation of spillway components, requires a comprehensive structural safety audit in accordance with DRIP-II&III guidelines to assess its structural integrity, material condition, durability, and serviceability.

Accordingly, MePGCL intends to engage a qualified consultancy firm to conduct a risk-informed structural safety audit through visual inspection and Non-Destructive Testing (NDT).

2. Objectives:

The objectives of the assignment, in line with DRIP-II&III outcomes, are to:

- a) Assess the existing structural condition and safety level of the spillway bridge.
- b) Evaluate the quality, in-situ strength, and durability of concrete and reinforcement.
- c) Identify structural distress, deterioration mechanisms, and safety risks.
- d) Determine the serviceability and residual life of the structure.
- e) Recommend risk-based repair, rehabilitation, strengthening, and preventive maintenance measures.
- f) Provide actionable inputs for inclusion in DRIP-II&III rehabilitation planning and asset management.

The specific criteria determining the bridge's remaining life include:

1. **In-Situ Material Strength and Quality:** The audit evaluates the current strength of the concrete and reinforcement compared to the original design specifications. This is determined through Non-Destructive Testing (NDT) such as Rebound Hammer tests for surface hardness and Ultrasonic Pulse Velocity (UPV) for concrete homogeneity.
2. **Deterioration Mechanisms and Physical Distress:** The presence and severity of physical defects—including cracks, spalling, delamination, honeycombing, and leaching—are mapped to understand the extent of structural decay.
3. **Durability and Corrosion Parameters:** The longevity of the structure is heavily influenced by the chemical state of the materials. Criteria include carbonation depth (which affects concrete pH) and half-cell potential (which indicates the probability of reinforcement corrosion). The adequacy of the reinforcement cover is also measured to determine how well the steel is protected from environmental factors.
4. **Serviceability of Appurtenant Components:** The condition of functional elements such as bearings, expansion joints, and drainage arrangements is assessed. Failure of these components can accelerate the deterioration of the primary superstructure, thereby shortening the bridge's useful life.
5. **Risk-Based Deficiency Classification:** Deficiencies are categorized as critical, moderate, or minor. The residual life is determined by how these deficiencies impact the safe operation of spillway facilities and whether the structure meets the safety standards defined by IS, IRC codes and CWC guidelines.
6. **Design Review:** The audit will carry out carrying capacity of the bridge and compares the current state of the bridge against original construction records, material specifications, and past repair history to establish a trajectory of deterioration over time.

Ultimately, these findings are synthesized into a risk-informed assessment that justifies the technical recommendations for either repair and strengthening or total rehabilitation under the DRIP-II&III framework.

3. **Scope of Work:** The scope shall cover all activities necessary to achieve the above objectives and shall include, but not be limited to, the following;

3.1 Detailed Visual Inspection:

1. Systematic visual inspection of all accessible components including:
 - a) Deck slab and wearing course
 - b) Girders / superstructure members
 - c) Piers, abutments, and foundations (where accessible)
 - d) Bearings and expansion joints
 - e) Drainage arrangements and parapets
2. Identification and mapping of:
 - a) Cracks, spalling, delamination
 - b) Reinforcement corrosion indicators
 - c) Honeycombing, leaching, seepage
 - d) Deformation, settlement, or misalignment
3. High-resolution photograph to be documented with location reference

3.2 Non-Destructive Testing (NDT):

NDT shall be carried out to assess 1) **material quality**, 2) **strength**, and 3) **durability parameters**, including:

- a) Rebound Hammer Test (surface hardness & indicative strength)
- b) Ultrasonic Pulse Velocity (UPV) Test (concrete quality & homogeneity)
- c) Cover Meter Test (reinforcement cover & layout)
- d) Half-Cell Potential Test (corrosion probability)
- e) Carbonation Depth Test

3.3 Evaluation and Risk-Informed Assessment:

- a) Interpretation of visual and NDT results.
- b) Assessment of concrete quality, in-situ strength, and durability indicators.
- c) Identification of critical, moderate, and minor deficiencies.
- d) Risk-based classification of structural components from a dam safety and operability perspective.
- e) Assessment of implications on safe operation of spillway facilities.

3.4 Recommendations and Remedial Measures:

- a) Short-term and long-term remedial measures aligned with DRIP-II&III philosophy.
- b) Repair, rehabilitation, or strengthening options with technical justification.
- c) Preventive maintenance measures to enhance durability.
- d) Priority-wise action plan with indicative cost estimates (where required).

4. Applicable Standards and Guidelines (use as references for testing):

The assignment shall conform to the latest versions of:

- a) Relevant IS Codes (IS 456, IS 516, IS 13311, etc.)
- b) Relevant IRC Codes for bridge structures
- c) CWC Guidelines on Dam Safety and Appurtenant Structures

5. Deliverables:

The Consultant shall submit the following deliverables:

5.1 Inception Report:

- a) Understanding of assignment/Scope of Work
- b) Methodology and inspection plan
- c) Program and schedule

5.2 Interim Inspection & Testing Report:

- a) Findings of visual inspection
- b) Details and preliminary interpretation of NDT results

5.3 Draft Structural Safety Audit Report:

- a) Comprehensive assessment of condition, strength, and durability
- b) Risk-based classification of deficiencies
- c) Photographic and test result documentation
- d) Recommendations and remedial measures.

5.4 Final Structural Safety Audit Report:

- a) Incorporating comments of MePGCL authorities
- b) Final conclusions on structural safety and serviceability
- c) Carrying capacity of the Spillway bridge
- d) Prioritized remedial and maintenance recommendations

5.5 Presentation to MePGCL Review Committee:

- a) Hard copies and editable soft copies shall be provided as per DRIP-II&III documentation requirements.

6. Duration of the assignment:

The total duration of the assignment shall be not more than **3 months (i.e 13 weeks)** from the date of issuance of Purchase Order. Any changes in the duration of the assignment will be mutually agreed between the parties and made through an amendment to the Purchase Order.

7. Deliverables, Timelines and Payment Terms :

Sl. No.	Deliverable	Timeline (T- Contract Signing date)	Payment * (% of PO)
1	On Submission and Approval of Inception Report	T+ 2 weeks	10%
2	Completion of visual inspection & NDT and submission of Interim Report	T + 6 weeks	40%
3	Submission of Draft Structural Safety Audit Report	T + 8 weeks	30%
4	Submission & approval of Final Report and presentation	T + 10 weeks	20%
Total			100%

***Payments shall be released only after acceptance of deliverables by MePGCL.**

8. Qualification and Experience of Consultant:

The assignment shall conform to the latest versions of:

- Minimum 7–10 years' experience in Structural Safety audits of bridges/dam appurtenant structures.
- Min B.Tech ,Civil Engineering from a recognized University .
- Proven expertise in NDT of RCC structures.
- Deployment of qualified structural engineers and NDT specialists.
- Experience in Hydraulic Structure especially in Dam work/ Dam rehabilitation works/ MEPGCL projects shall be preferred.

9. List Of Instruments required:

Any other machines that may be required to perform the work may also be included for the survey.

Sl. No	INSTRUMENTS
1	UPV kit
2	Rebound hammer kit
3	Carbonation kit
4	Half-cell potential kit
5	Core cutting machine kit
6	Drill machine
7	Wire board
8	Hilti PS 300

10. Data Ownership and Confidentiality:

All reports, test results, drawings, photographs, and data generated shall remain the exclusive property of MePGCL

11. Reporting:

The Service Provider will report to Chief Engineer (C), HP & HC, MePGCL; however, for day-to-day operations the single point of contact will be the **Superintending Engineer, HSM** or any other that will be duly appointed by the Chief Engineer (C), HP & HC, MePGCL

12. Support by MePGCL:

MePGCL shall make the following available to the selected firm:

- a) Passes and entry cards to men and materials at the site if required.
- b) Engineer In-charge will be available at site during the service period and days.
- c) Space to store the equipment if required during the course of study.
- d) Any documents/drawings required on request to help assist the study.
- e) Scaffolding Services

II. Terms and Conditions:-

- 1. Eligibility:** A Bidder (a) shall not participate in more than one Quotation; (b) shall not have conflict of interest as defined in the Bank's Procurement Regulations; and (c) should not have been (i) temporarily suspended or debarred by the World Bank Group in compliance with the Bank's Anti-Corruption Guidelines and its Sanctions Framework; or (ii) blacklisted or suspended by Central or any State Government Departments in India; (d) Central / State / PSUs are eligible to participate in this Bid/Tender.
- 2. Place of Delivery:** Services will be offered at Umiam Stage-III, Kyrdemkulai Dam
- 3. Quotation Price:**
 - a) The services offered should be 100% of the requirement for the quoted amount. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - b) All duties, taxes and other levies payable shall be included in the total price.
 - c) Goods and Service Tax (GST) should be indicated separately.
 - d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - e) The Prices shall be quoted in Indian Rupees only.
- 4. Qualification of Bidder:**
 - a) Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
 - b) Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
 - c) Not have had your business activities suspended or debarred from public procurement by the State Government of Meghalaya or Government of India.
- 5. Documents Evidencing Qualification:** Bidder is requested to submit copies of the following documents as evidence of your qualification.
 - a. Valid trading license/registration or equivalent/Exemption Certificate or ST certificate.
 - b. Valid certificate of GST registration;
 - c. Self-declaration to the effect the bidder is not insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances.
 - d. Self-declaration that the bidder's business activities are not suspended or debarred from public procurement by the State Government of Meghalaya, any other State Government or Government of India.

e. Documents as stated under the evaluation criteria.

6. Validity of Quotation: Quotations shall remain valid for a period not less than 90 days after the deadline date specified for submission.

7. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations that are determined to be substantially responsive i.e.,

a. The firm/agency should have at least 7-10 years' experience in the field of Structural safety audit for spillway bridge survey and other similar services. (copies of registration, PAN, TAN, GST or any other relevant registrations etc. to be enclosed)

b. Bidder should have experience of having successfully completed Similar Work/ Project individually costing not less than as stated below during the last 05 years;

i) Three similar works/projects, each of value not less than Rs. 7.8lakhs.

Or

ii) Two similar works/projects, each of value not less than Rs. 9.7 lakhs.

Or

iii) One similar work/project of value not less than Rs. 15 lakhs.

Details of services performed during the last 3 years shall be submitted. [copy of Work orders, Schedule of works, Completion Certificate from the competent authority for all are to be attached]

c. The firm should have an average annual turnover of INR 5.8 Lakhs in last three financial years. (Financial year 2022– 23, 2023 – 24 and 2024 – 25); alternatively, a statement on the annual turnover duly certified by a Chartered Accountant may also be acceptable.

d. The firm should have requisite equipment as required for the job. All equipment's required should be listed and attached

e. Joint Ventures/ Consortium are not eligible to apply.

NOTE:

i. Quotations submitted by the bidder must be properly signed by the competent authority of the bidder and company stamped on all the pages.

ii. Confirm to the terms and conditions and specifications.

iii. GST/Taxes will not be taken into consideration while evaluating the quotations.

iv. Any historical information, if required may be asked from the bidders during evaluation of quotes.

8. **Award of contract:** The Purchaser will award the supply orders to the bidders whose quotations have been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotation and to cancel the bidding process and reject the quotation at any time prior to the award of contract.
 - The bidder whose quotation is accepted will be notified of the issue of Supply Order by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached).
9. Payment shall be made as per the deliverables outline in the TOR.
10. Bidders who have any queries may kindly send the same to **The Chief Engineer (C), HP&HC, MePGCL** in the email id cehphc.mepgcl@gmail.com before the **20th August, 2026 by 1300 HRS.**
11. You are requested to provide your sealed quote and must be must be delivered in hard copy to the address below through registered post/speed post/ courier/ by hand latest **by 1500 hours August 31st 2026.** Quotations that have been submitted on or before time will be opened at **1600 hours on August 31st 2026.** Late quotes will be rejected. We look forward to receiving your quotation and thank you for your interest in this project.



The Chief Engineer (C,) (HP&HC)

*Address: The Chief Engineer (C,) (HP&HC)
MePGCL, Lumjingshai, Short Round Road.
Shillong-793001, Meghalaya.
Tel. No.: 0364 -2590113
Email: cehphc.mepgcl@gmail.com*

FORMAT OF QUOTATION *

Sl. No.	Description of Goods	Total Qty.	Unit	Unit Rate (INR)	Quoted Unit Rate ¹ Lot wise at destination in Rs.	GST and similar other taxes applicable on finished Goods/ Services	*Total Price per line item at Destination - inclusive of all taxes and duties	
							In Figures	In
1	"Engagement of an agency for conducting Comprehensive Structural Safety Audit of Spillway Bridge at Uniam Stage-III, Kyrdenkulai Dam Through Visual Inspection and Non-Destructive Testing (NDT) under DRIP II& III" <i>Attached at Annexure-I</i>							

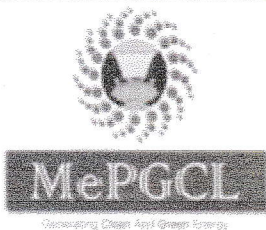
Gross Total Cost: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that commercial warrantee/guarantee of 36 months shall apply to the offered goods.
We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitor.

Signature of Service provider

¹ Any unconditional discounts if offered shall be specified in this column along with the unit rates.



MEGHALAYA POWER GENERATION CORPORATION LIMITED
 Corporate Identification Number : U40101ML2009SGC008392
Office of the Chief Engineer (C), Hydro Planning & Hydro Construction
Lumjingshai, Short Round Road, Shillong – 793001
 ☎: 0364-2590113, email: cehphc.mepgcl@gmail.com

SUPPLY ORDER

To:
 M/s

.....

Dear Sirs,

Sub: Supply of

Reference: Your Quotation no..... Dated

1. Your quotation no.....of(Date) for the supply of **has been accepted. You are requested to** supply the following goods/equipment at the rates quoted by you and specified against each as per the specifications and terms & conditions specified hereunder:

SL. No	Brief description of goods/ equipment	Qty	Unit	Unit Rate (Rs.)	Total Price (Rs.)
			Total		

1. Delivery Period: days from the date of issue of this supply order.
2. The services to be handed over to O/o the Superintending Engineer (C), HSM, MEPGCL.
3. GST if any will be paid at actual prevailing.
4. Payment shall be made as per the terms mentioned in the Scope of Work; and acceptance of the deliverables.

(Purchaser)

Date:

Designation: The Chief Engineer (C),
 (HP&HC), MEPGCL, Shillong.
 Place: Shillong-793001, Meghalaya

VISUAL SURVEY & NDT					
Sl. No	Description	Qty	Unit	Rate	Amount
A	Site Investigation	1	L.S		
	Distress Mapping:				
I	- Site visits for visual inspection and conducting light tap hammer, and crack gauges. - Submission of the visual inspection report of the structure including photographic evidence. - Preparation of Distress drawings including structural crack-crack mapping using a crack gauge, identifying delamination, spalling/ honeycombed areas, damp locations, discolorations, etc. - Marking damaged areas on drawing for record and future reference.				
B	Material characterization of the existing structure by ND / PD Testing Conducting adequate / required number of following NDT/ PDT on concerned structure, preparation & submission of ND / PD test report. For RCC Elements				
I	Quality Parameters				
a	<i>Ultrasound pulse velocity tests for establishing the integrity and soundness of concrete (Ref. IS 516: Part 5: Sec 1: 2018. Amendment No. 1 Nov 2019). (20 Nos.)</i>				
b	<i>Schmidt's rebound hammer test for determining the concrete compressive strength (Ref. IS 516: Part 5: Sec 4: 2020). (30 Nos.)</i>				
II	Strength Parameters				
a	<i>Taking out concrete cores (approx. 70mm Dia), preparing specimens for lab testing, and performing lab tests for compressive strength and density (Ref. IS: 456-2000 & IS: 516 (Part 4): 2018). (5 Nos.)</i>				
III	Durability Parameter				
a	<i>Cover meter test by using Hilti PS 300. (10 Nos.)</i>				
b	<i>Assessment of the probability of carbonation present in concrete. (IS 516 (Part 5/Sec 3): 2021). (10 Nos.)</i>				
c	<i>Half-cell potential tests for assessing the extent of corrosion in the reinforcement (IS 516 (Part 5 / Sec 2): 2021). (10 Nos.)</i>				
IV	Mobilization				
	Engineer & NDT Team (Travelling, Lodging- Boarding, Food, Accommodation, etc.)				
	Total				
	(GST Taxes is applicable at 18%)				
	Grand Total with taxes				