

Notice for Inviting Quotations

Subject: Hydrological Bathymetric survey at Deval Lake SEEPZ

This is to inform that SEEPZ SEZ Authority invites quotation in sealed single packet for hiring of consultant to conduct a bathymetric survey using an Unmanned Surface Vessel (USV), perform visual inspection using a Remotely Operated Vehicle (ROV), and collect sediment samples in Deval Talao Seepz for SEEPZ SEZ Authority.

A. Scope of Work

The major deliverables of the project shall include the following:

1. **Final Survey Report** — A comprehensive document summarizing the survey methodology, data acquisition procedures, processing steps, analysis, and interpretation of results.
2. **Bathymetric Map (Digital Terrain Model — DTM)** — High-resolution bathymetric surface of the surveyed area, provided in GeoTIFF and/or XYZ file format.
3. **ROV Inspection Package** — Complete set of raw video footage accompanied by a detailed inspection log and summary report of observed features, including identified debris, unusual seabed characteristics, and the structural condition of overflow gates or related infrastructure.
4. **Sediment and Water Sample Collection** — Properly collected, labeled, and documented sediment and water samples from designated survey locations to be sent for laboratory test.
5. **Laboratory Test Report** — Analytical results of water quality testing from a minimum of **ten (10)** sampling points, including all relevant physical and chemical parameters.

B. Services and Activities

The consultant shall perform the following services to achieve the deliverables:

1. Project Planning and Mobilization

Conduct a comprehensive safety assessment and perform calibration and functionality checks of all survey equipment, including the USV, ROV, and sonar systems, prior to field deployment.

2. ROV Visual Inspection

Perform a systematic visual inspection of the site using the ROV along the designated perimeter and grid lines to identify potential hazards, notable features, and target locations of interest.

3. USV Bathymetric Survey

Operate the USV equipped with sonar in a systematic survey pattern to map the bathymetry (bottom elevation profile) of the water body with high spatial accuracy.

4. Targeted Sample Collection

Collect and handover physical sediment samples from coordinates identified through bathymetric and ROV inspection results.

- Obtain at least three representative samples per location: one surface sediment sample and two subsurface sediment samples, each approximately 1 kg, placed in sealed, labeled containers.
- Samples shall be collected from a minimum of five (5) evenly distributed sampling points across the surveyed area.
- One sample will be handed over to Authority, One sample to be handed over to Mega CFC, another sample to be forwarded to Govt. MINT (RBI - Mumbai) for assaying and ascertaining gold and silver contents in said sediment sample.

5. Data Processing and Quality Control

Perform cleaning, correction, and validation of all raw hydrographic datasets. Review and catalog ROV video footage and logs, and ensure proper chain of custody is maintained for all collected samples.

6. Analysis and Final Reporting

Prepare comprehensive data visualizations, maps, and analyses, and preparation of a Final Survey Report (three hard copies and one digital copy), summarizing methodologies, findings, and interpretations.

Note: The Authority shall ensure that the access route and deployment area for the USV/ROV team are cleared of dense vegetation, debris, or other obstructions prior to the scheduled mobilization date.

C. Eligibility Criteria

1. The Firm should have an average annual turnover of not less than Rs. 1,60,000/- during the past three financial years.
2. The firm should have successfully executed/completed similar services, over the last three financial years comprising.
 - a. Three projects of Rs. 2,00,000/- each Or
 - b. Two projects of Rs. 2,50,000/- each Or
 - c. One project of Rs. 4,00,000/- each
3. The principal place of business must be located in Mumbai Metropolitan Region (MMR).

4. The firm should have valid MOU/ authorization letter/ service partnership documentation with Remotely Operated Vehicle (ROV) manufacturer to ensure that equipment users receive dependable service and parts, commitment to service levels or uptime guarantees.

D. Duration and Payment Terms

1. The scope of services shall be completed within one month from of issuance of Letter of Award (LOA) and shall not extend further. The survey team shall be deployed and available throughout the data collection period.
2. 100% Payment will be made upon submission of bill and on satisfactory completion of all services as verified by the Authority.
3. The SEEPZ SEZ Authority is exempted from GST as per notification No. 18/2017 - Integrated Tax (Rate) dated 05-07-2017. Bidders are therefore required to submit their quotations excluding GST.
4. Quotations should be submitted in a sealed single packet on or before **01-12-2025 at 3.00 PM** at the below address:

To,
ADC (Estate),
SEEPZ SEZ Authority,
Dispatch Section (Ground Floor),
Service Centre Building, SEEPZ Special Economic Zone, Andheri (East),
Mumbai, Maharashtra 400 096, India.

5. Quotations will be opened on **01-12-2025 at 4.00 PM**.
6. L1 bidder will be selected for the said assignment.

File No: SEEPZM/137/2025-EO/

Dated: 24-11-2025



(Mayur Mankar)

Joint Development Commissioner/Estate Officer
SEEPZ SEZ Authority