

**EXPRESSION OF INTEREST**  
**FOR**  
**DEVELOPMENT OF**  
**DHANSIRI SMALL HYDRO ELECTRIC PROJECT**  
**(INITIAL ESTIMATED CAPACITY: 20 MW)**



**Expression of Interest No:**

**APGCL/CGM (H&C)/2024-25/EOI/DSHEP/14 dated 29.07.2024**

**LOCATION: BHAIKUND, UDALGURI DISTRICT, ASSAM**

**OWNER/CLIENT:**

**ASSAM POWER GENERATION CORPORATION LIMITED (APGCL)**

**ADDRESS: 3<sup>RD</sup> FLOOR, BIJULEE BHAWAN, PALTANBAZAR,  
GUWAHATI, KAMRUP(M), ASSAM, INDIA**

**ASSAM POWER GENERATION CORPORATION LTD.**

**NOTICE INVITING EXPRESSION OF INTEREST**

**No: APGCL/CGM (H&C)/2024-25/EOI/DSHEP/04 dated 29.07.2024**

Assam Power Generation Corporation Limited (APGCL) invites Expression of Interest (EOI) for the development of Dhansiri Small Hydro Hydro Electric Project.

EOI Document shall be available in the APGCL portal- <https://assamtenders.gov.in> and <https://apgcl.org> from 30.07.2024 to 30.08.2024.

- i. **Last Date/ Time** for submission of Eoi documents online in <https://assamtenders.gov.in>: **30/08/2024 upto 15:00 Hours.**
- ii. Eoi documents shall be **opened on 31/08/2024 at 15:00 Hours.**
- iii. Any Proposal found not fulfilling the requirements as detailed in the Eoi document, will be considered as non-responsive and the Application will not be evaluated further. Applicants shall submit the signed (by authorized signatory) & stamped copy of the Eoi Document (on each page) along with their responses.
- iv. For any clarifications, applicants may send their query to [saurav.saikia@apgcl.org](mailto:saurav.saikia@apgcl.org) upto 17:00 Hours of 16/08/2024 and applicants are requested to keep themselves updated with <https://assamtenders.gov.in> and APGCL website on regular basis for any corrigendum/addendum/modification or notification in respect of this, at EOI stage and at any stage. No separate notification will be issued in any other media.



**Chief General Manager (H&C)**

APGCL, Bijulee Bhawan, Paltanbazar,  
Guwahati-01, Assam

## **1. INTRODUCTION:**

Assam Power Generation Corporation Limited (APGCL), a company wholly owned by Govt. of Assam, is a profit-making state GENCO incorporated in the year 2003. APGCL is responsible for maximum energy generation to meet up the energy demand in the State of Assam. APGCL's vision is to achieve enhancement of generation capacity from hydro and gas-based thermal plant with addition of renewable energy generation including small hydro and green energy by the year 2030. Rural Electrification Corporation (REC) Ltd. rated APGCL as A++ out of 26 state GENCO, in the year 2022-23. Power Finance Corporation (PFC) rated APGCL as A++ in the year 2022-23.

## **2. BACKGROUND:**

The 20 MW (5 x 3 x 1.33 MW) Dhansiri Hydro Electric Project was originally conceived as a supplementary project of the Dhansiri Irrigation Scheme. Accordingly, the initial project report for the Hydro Power scheme was prepared by the irrigation Department, Govt. of Assam. As the State Irrigation Department had no separate establishment for power generation, the above mentioned power generation part was subsequently handed over to the then ASEB presently named as APGCL for implementation. This scheme envisaged utilization of 5(five) equal drops of 9.40 m each available in the idle length of irrigation canal, located within a distance of 3.50 km with design discharge of 56.64 Cumec in the Canal for generation of power. The project comprises of 5 nos power houses of 3 x 1.33 MW for each with a total installed capacity of 20 MW [5 (3 x 1.33 MW)].

The project was sanctioned by the planning Commission Govt. of India in the year 1985 at an estimated cost of Rs. 1053.39 Lakhs.

The main components of the project are as follows:

- (i) Forebay & Intake Structures
- (ii) Power House Civil and E&M works
- (iii) Switchyard & Transformer yard.
- (iv) Tail race channel.

The project was started in Nov, 1986 with initiation of infrastructure works like road, residential colony, office building etc. Contract was awarded for construction of 5 (five) nos of power house with appurtenant works (Civil works) to five different Contractors in March 1988. Almost all E&M equipment were procured within 1989-91. The project work started suffering from May 1989 onwards due to disturbed Law & Order situation, Paucity of fund, unpredictable bed load transportation resulting obstruction of gates operation in the headwork maintained by Irrigation Department. Besides the main river Bhairavi, a tributary of Dhansiri had changed its course by passing the barrage structure thereby uncertainty arises to get the required discharge for power generation. Ultimately work was completely stopped since March 1996. About 46% of the total civil works in 5 Nos power houses were completed at the time of closure of the project. The main equipment of all the Power House & Sub Station were kept in the stores at colony area of the project.

Now, in the interest of completion of the project development work, APGCL invites Expression of Interest (EOI) from reputed & experienced hydro power project developers.

### **3. LOCATION:**

The project is located at tri junction of Assam-Bhutan-Arunachal Pradesh at Bhairabkunda in Boroland Territorial Council (BTC) area at a distance of 25 Km from NH-52 through Rowta-Bhairabkunda PWD Road. (Google map of the project location is enclosed as **Annexure-A** for ready reference).

### **4. SCOPE OF WORK:**

For development of 20 MW Dhansiri Hydro Electric Project, APGCL invites EOI from interested developer with the following scope of works;

1. Based on availability of discharge at Irrigation canal and site conditions, the potential developer will prepare a Pre-Feasibility Report (PFR) based on current situation.
2. As already, some of the project components are developed during the period of year 1986-1996, efficacy and life expectancy of the same shall be appropriately considered in the said PFR.
3. To utilise some of the already constructed structures & machineries/materials, additional cost estimate to be considered to get its full life expectancy/reasonable operation life of the project.

4. Cost assessment of all the utilised equipment, materials and structure to be prepared. This cost will be part of APGCL's equity.
5. All the cost estimate has to be backed up by documentation from reputed agency/valuer, by the selected developer.

#### 5. ASSESSMENT OF EOI:

Assessment of the EOI shall be done on the basis of the following parameters:

1. Maximum amount of equity offered to APGCL from the existing structures, machineries and materials.
2. Guaranteed per unit cost of generation by the developer.
3. Use of modern/state of the art, efficient, cost effective technology to maximise generation output out of the existing site conditions such as hydrology, soil & climatic conditions etc.
4. Guaranteed PLF from the project.
5. Capacity to bring in multi-lateral aid or MNRE subsidy etc.
6. Levelized Tariff of the project with detail calculations.
7. Total cost of the project with detail calculations for each fall and component.
8. It is to be noted that as electricity is a regulated market, AERC's approval of DPR & Tariff regulation will be required which will be in the scope of the selected developer.
9. Approval of any environmental & forest clearance required, shall be obtained by the selected developer by its own due diligence. APGCL shall provide assistance in the process of obtaining the said clearances, however primary responsibility of obtaining the same shall on the developer.

#### 6. ELIGIBILITY CRITERIA:

Participating bidders must satisfy the following criteria for selection:

1. **The bidder must have experience of completing at least 1 (one) similar small hydro power project (installed capacity within 1 MW to 25 MW). Completion certificate from owner/client to be submitted.**
2. The bidder must possess adequate financial capability to execute such projects such as;
  - a) **Net worth of the bidder must be positive in the last 3 (three) years financial years, .i.e FY 2021-2022, FY 2022-2023 & FY 2023-2024 certified by Chartered Accountant. The Net Worth of the Bidder as on the last day of the preceding**

**financial year should not be less than a minimum of INR 44.00 Crore (Indian Rupee Forty Four Crore only).** For avoidance of doubt, "net worth" as per section 2 (57) of the Companies Act 2013 means the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.

**b) Average Annual Turnover of the bidder in the last 3 (three) Financial years must not be less than Rs. 66.00 Crores (Rupees Sixty six crores) only certified by Chartered Accountant.** Submission of copy of PAN and GSTIN registration and tax clearance certificates to be submitted.

c) Solvency certificate to be submitted issued by reputed Financing agency/institution.

3. Bidder must submit detail schedule of activities/work enumerating all task's start and end date mentioning completion time required in a comprehensive bar chart.
4. Joint venture & consortiums shall not be entertained.
5. The bidder should not have been blacklisted by any State Government, Central Government, State PSU, Central PSU etc.

#### **7. ADDITIONAL INFORMATION:**

Following points are requested to be noted by the interested bidders;

1. This bid is only for expression of interest against development of the said project.
2. Interested bidders are encouraged to visit the site with due permission of APGCL, to make proper judgement & submit responsive bids, however any cost incurred for such visits, data collection will not be reimbursable and APGCL shall not be liable in any ways. APGCL shall, on request of the bidder, may assign competent officer to assist in such visits.
3. Relevant documents (DPR etc) of the projects may be shared with the interested bidder, on its request, by mail or other means, only for EOI purpose and not to be used as a base data for preparation of PFR.
4. Land and other assets available including quarters & colony buildings of the said project are to be made accessible to the selected bidder only for the purpose of the said project on prior written request from the selected bidder. Developers will have to do all



necessary repairing of the buildings if allotted to them at their own cost. Use of the said assets for any other purpose or any damage to the same will attract legal & financial penalties to be fixed by APGCL and need to be satisfactorily compensated as determined by APGCL.

5. The selected bidder shall have to enter into a contract agreement with APGCL for successful completion of the job.
6. Amongst the responsive bidders, a limited tender will be floated for development of the project including other scope of works as mentioned in this E.O.I.
7. The undersigned reserves the right to accept or reject any or all bids without assigning any reason thereof and does not bind himself to accept the lowest tender/bid.



Google map of the project location

ANNEXURE-A

