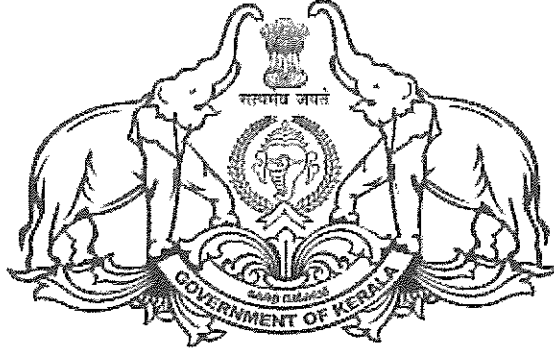


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GOVERNMENT OF KERALA, INDIA

IRRIGATION DEPARTMENT

INTERNATIONAL COMPETITIVE BIDDING

**EXPRESSION OF INTEREST (EOI) FOR PREPARING "THE
DETAILED PROJECT REPORT FOR THE DESILTATION OF
TEN(10) RESERVOIRS" UNDER GOVERNMENT OF KERALA.**

Date : 01/02/2020.

G.O.(Rt).No.919/2019/WRD/ Thiruvananthapuram, Dated 07/12/2019.

Title : "THE DETAILED PROJECT REPORT FOR THE DESILTATION OF TEN(10)RESERVOIRS".

EOI. No. PL1(A)/01/2020.

Last date for submission of bid: 05/03/2020 at 16.00hrs (IST). (Fifth March Two thousand and twenty – sixteen hours Indian Standard Time).

1. The Chief Engineer (I&A), Irrigation Department, Government of Kerala hereby invites Expressions of Interest from suitable qualified firms for preparing competent DPRs along with financial estimates to initiate desiltation of 10 (Ten) numbers of Reservoirs mentioned in the detailed document inviting Expression of interest in the turn key method upon payment to Government of Kerala for the desilted materials.

2. Only eligible bidders with key qualifications prescribed in the Eoi document shall participate.

3. The bids shall be submitted to "The Chief Engineer, Irrigation and Administration, Public office compound, Vikas Bhavan.P.O. Pin 695033, Thiruvananthapuram, Kerala".

4. The bidding shall be conducted in accordance with single stage two envelope bidding procedure and shall open to all eligible bidders as described in the Expression of interest documents.

5. The detailed Expression of interest document is available on the web site www.irrigation.kerala.in

6. The offers shall be evaluated as per the scoring plan and other details provided in the detailed document inviting Expression of interest.

7. The firms achieving pre-qualification may be entrusted with additional reservoirs at the discretion of the employer in future.

8. The firms/companies/Joint Ventures must also quote their financial bid for desilting the Reservoirs **on turnkey basis upon payment to the Government of Kerala**, in a separate sealed cover along with the DPR.

9. The DPRs prepared are liable to be placed in the public domain and open financial bidding resorted to award the final contract. Pre-qualification does not entitle a firm to be awarded with the final work pertaining to the DPR. If the highest open bid amount is higher than the bid amount of the DPR preparing firm, an opportunity to match shall be provided.

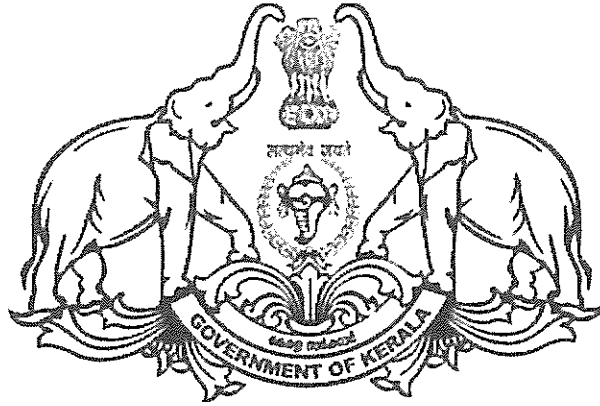
10. DPRs shall be submitted by the shortlisted firm within six months.

11. The complete bid in two envelopes must be submitted not later than 16.00 hrs (IST) on 05/03/2020. (Fifth March Two thousand and twenty).

Sd/-

For and on behalf of Governor of Kerala

Chief Engineer



IRRIGATION DEPARTMENT
EXPRESSION OF INTEREST (EOI)
INTERNATIONAL COMPETITIVE BIDDING
EXPRESSION OF INTEREST (EOI) FOR PREPARATION OF
DETAILED PROJECT REPORT TO INCREASE THE PRESENT
WATER HOLDING CAPACITY OF RESERVOIRS
(DE-SILTATION OF RESERVOIRS).

EOI No. PLI(A)/01/2020.

**Chief Engineer, Irrigation and Administration, Irrigation Department,
Thiruvananthapuram, Kerala, India.**

**REQUEST FOR EXPRESSIONS OF INTEREST FOR
PREPARATION OF DPR FOR DESILTATION –SELECTION
OF QUALIFIED FIRMS**

**Chief Engineer, Irrigation and Administration, Irrigation Department,
Government of Kerala Thiruvananthapuram, Kerala, India.**

1. **Assignment Title:** Preparation of Detailed Project Report (DPR) for
Desiltation of Reservoirs for **Desilting on turnkey basis
upon payment to the Government of Kerala.**
2. **Reference No.** (1) G.O.(Rt). No.919/2019/WRD Dated 07/12/2019
Government of Kerala.
(2) G.O.(Ms). No.2/2020/WRD Dated 07/01/2020
Government of Kerala.
3. The **scope** of the Assignment is for surveying, investigating, sampling, preparing Environment Management Plan, Transportation Plan and prepare a detailed Project Report comprising of detailed drawings and estimates for the most feasible solutions for the Desiltation of Reservoirs. The list of Reservoirs are attached in the annexure - I. This would become the basis for increasing present water holding capacity of Reservoirs.
4. Accordingly, this REOI is intended for empanelling/short listing the engineering firms/companies/Joint Ventures (firms) that have adequate technical and financial capability and experience in executing works of similar magnitude. Apropos the same, Government of Kerala, through Irrigation Department is hereby inviting Expression of Interest (EoI) for preparing Detailed Project Report (DPR) for sustainable solutions for Desiltation of Reservoirs.
5. The main **objective** of project is to survey, investigate, do sampling, testing, preparing Environment Management Plan, Transportation Plan, design and prepare a Detailed Project Report comprising of detailed drawings and estimates for the most feasible solutions for the Desiltation of Reservoirs. The whole project should be conceptualized taking into account the DPR for Desiltation of Mangalam Reservoir Prepared by Irrigation Department, (which is published in official web site.) with required contextual amendment and SOP for Desiltation of Reservoirs approved by Government of Kerala.
6. However, the specific objectives include:
 - i) Perform detailed investigation, topographical surveying (through Aerial LiDAR) of Reservoirs area, and hydrographical/bathymetric surveying of reservoirs for assessment of quantity of sediments deposited in the reservoirs.
 - ii) Collection of data including quantity through sampling, particle size distribution, depth of sediments by taking samples in grid size of 200mX200m.
 - iii) Conducting detailed tests for the particle size distribution. The tests shall be conducted also in the Government approved labs at a quantity prescribed by the employer, the balance quantity of test samples shall be kept in divisional office of each dam, which may be used if further test is needed by the employer.
 - iv) Conduct a detailed traffic study and prepare the transportation plan for

evacuating of de-silted materials from the reservoir area.

- v) Preparing a comprehensive Environment Management Plan. (No EIA is called for.)
 - vi) Preparing a detailed list and specifications for machineries and tools that used for Desiltation.
 - vii) Planning and design of necessary structures for de-siltation like separation unit.
 - viii) Preparation of a detailed report with Cost Estimate as per the current Delhi Schedule of Rates of materials to be de-silted.
 - ix) The engineering firms/companies/Joint Ventures must also quote their financial bid for desilting the Reservoirs **on turnkey basis upon payment to the Government of Kerala**, in a separate sealed cover along with the DPR.
 - x) The DPR developed by successful selected proposer constituted for the purpose of EoI shall be evaluated by the Technical Committee and the successful DPR only shall be taken up for bidding. The firm's financial offer shall be preserved at that point in sealed cover.
 - xi) The successful DPR shall be published in the departmental web site after withholding any proprietary or patented technology. Competitive bids for the same work shall thereafter be called for technical and financial bids in single bid two cover basis
 - xii) The selected proposal and DPR per se does not confer a right to be awarded with the final contract.
 - xiii) The financial bid of the proposer who formed the initial DPR will be opened only after the competitive bids are received and opened. If the competitive bid is higher than the financial proposal bid of the proposer, the proposer will have one time right to match that bid amount within fifteen days (15 days) failing which he shall exit the bid after receiving the cost of DPR prepared as finalized by the technical committee. The DPR prepared will be thereafter the property of the department.
7. The assignment is to be completed in a **time frame of six (6) months**
8. The Irrigation Department, Kerala now invites eligible firms/companies to indicate their interest in providing the Services. Interested firms/companies should provide information demonstrating the financial capability and the required qualifications and relevant experience to perform the work (brochures, description of similar assignments, experience, availability of appropriate skills among staff, availability of appropriate machineries. Etc.).
9. Firms may associate with other firms/companies to meet the necessary qualification criteria or enhance their capability. The EOI submitted by agencies in association should clearly indicate the nature of the association if it is a joint venture or a sub-agency. In case of Joint venture, the name of the lead firm should be clearly stated and the JV shall not have more than three members including the lead.
10. The firm shall submit the bids for EOI in two sealed covers, one containing the technical qualification details and the other containing the quoted amount for preparing the DPR.

11. Pre-Qualifications & Selection of Agencies for preparation of DPR for Desiltation of Reservoirs.

Eligible firms are invited to express their interest to provide for the preparation of DPR for Desiltation of reservoirs and the work for Desiltation of reservoirs. Firm may associate with another firm to enhance their qualifications. The EOIs received will be evaluated on the basis of the following selection process. The first stage involves invitation to submit the Expression of Interest (EOI) for the preparation of DPR for Desiltation of reservoirs. A Committee constituted by the Government will evaluate the technical, management and financial competence of the bidder. The bidder should be ready to make a presentation before the Committee if called upon to do so.

- i. *The firm should have an Average Annual Turnover of Rs 100 Crores. in the last 5 consecutive Financial years (FY2014-15, 2015-16, 2016-17, 2017-18, 2018-19) An abstract showing year wise Total Financial Turnover for the preceding 5 (five) years ending last day of the previous financial year along with the Audited Balance Sheets, Profit & Loss Account and other financial statement for the same period should be furnished. In case of JV, the lead partner as well as the other partner shall separately submit their document.*
- ii. The firm or the lead partner, in case of JV, shall have experience of Civil/Mechanical works completed to Federal/ Central Government or State Government or Public Sector Undertakings/ State Owned Enterprises of project value not less than Rs. 50 Crores
(Documentary evidence indicating the value and completion certification should be Provided by the firms)
- iii. Should not be under active black listing by Federal/ Central Government or State Government or Public Sector Undertakings/ State Owned Enterprises with respect to the detailed evaluation.
- iv. Prepare and submit a List of machineries owned by the firm or made available with firm with supporting documents (Hiring Agreement)
- v. The firms have to make a presentation before the Employer/the committee on a date intimated by the employer. The presentation shall be focused on Technical Capability and Work Plan. The firm shall also correlate in the presentation its past experience of the project executed by them and experience and skills of the key personnel proposed to be deployed to prove its capability and preparedness to execute work adhering to planned technical approach and work plan.

vi The firm must have Key Professional Staffs listed below for a single shift.

1. Master degree/ degree Civil Engineer : 1 no.
2. Master degree/ degree Mechanical Engineers: 2 nos
3. Civil Engineering Diploma Holders : 2 nos
4. Mechanical Engineering Diploma Holders : 2 nos
5. Accounting staffs Degree holders : 2 nos
6. Office staffs Degree holders : 2 nos

As evidenced by CVs with certificates

And other required staffs & vehicles for smooth running of

the work around the clock.

vii. The EOI submitted by the firm shall be evaluated as based on the following Criteria, sub-criteria and point system:

(i) **Financial- Average Annual Turnover** : 50 Marks for 100 Crores (add 1 marks for additional Rs2Crores)

(ii) **Specific experience of the Civil/Mechanical works:**

Each work – amounting 50 Crores -10 marks (add 1 marks for additional Rs5 Crore)

(iii) Total years of Experience: 05 yrs: 05 Mark (add 1 marks for additional 1 year).

viii. *The firms having minimum score of 60 marks may submit their financial bids for preparing the detailed Project Report (DPR) for Desiltation of Reservoirs. From this the lowest quoted bidder shall be selected.*

12. In the event of more than one qualified firm, additional reservoirs may be entrusted by the competent authority for preparing DPR.

13. Further information can be obtained at the address below during office hours: 10:00 hrs to 17:00 hrs This notice inviting Expression of Interest is also available in our official websites: www.irrigation.kerala.gov.in and www.kerala.gov.in.

14. Expression of Interest with all relevant information and documents shall be submitted to “**The Chief Engineer, Irrigation and Administration, Public office compound, Vikas Bhavan.P.O. pin 695033, Thiruvananthapuram, Kerala**” by Registered tapal through India post only (courier and other methods are not accepted). The department is absolved of any responsibility due to late receipt of any document due to postal delay. The document envelope containing the documents should be super scribed with “**EXPRESSION OF INTEREST (EOI) FOR PREPARING THE DETAILED PROJECT REPORT FOR THE DESILTATION OF TEN(10) RESERVOIRS UNDER GOVERNMENT OF KERALA**”. Last date for submission of bid: 05/03/2020 – IST 16.00 hrs. (Fifth March Two thousand and twenty- Indian Standard Time 16.00 hrs).

15. In the event of the due date being declared as holiday by the State Government the due date for submission of above EOI will be the next working day and up to the same appointed time in IST 16.00 hrs. Technical bids will be opened on 06/03/2020 IST 11.00 hrs (SIXTH MARCH TWOTHOUSAND TWENTY 11.00 hrs (IST)) in the presence of bidders representative who choose to attend.

Chief Engineer, Irrigation and Administration,
Irrigation Department,

Public Office Complex, Thiruvananthapuram.

Tel: Ph: 0471-2322927 Fax: Ph: 0471-2320891 E-mail: jointdirectormonitoring@gmail.com.

Sd/-

**For and on behalf of Governor of Kerala
Chief Engineer**

ANNEXURE - I

LIST OF RESERVOIRS TO BE DESILTED AS PER THE PROPOSED EOI METHOD			
Name of Reservoir	District	Latitude	Longitude
Malampuzha dam	Palakkadu	10° 48' N and 10° 55' N	76° 39' E and 76° 42' E
Meenkara Dam	Palakkadu	10° 38' N	76° 48' E
Karappuzha Dam	Wayanadu	11° 36' N and 11° 35' N	76° 10' E and 76° 11' E
Maniyar	Pathanamthitta	9° 19' N	76° 52' E
Malamkara	Idukki	9° 51' N	76° 44' E
Walayar	Palakkadu	10° 42' N and 10° 52' N	76° 42' E and 76° 50' E
Pazhassi Barrage	Kannur	11° 58' N	75° 36' E
Kambalathara - Eari	Palakkadu	10° 39' N	76° 49' E
Kunnampidari - Eari	Palakkadu	10° 42' N	76° 50' E
Venkalakkayam - Eari	Palakkadu	10° 39' N	76° 49' E