KEMDEL
Sustained Development
(A Government of Kerala undertaking)

KERALA STATE MINERAL DEVELOPMENT CORPORATION LIMITED

INVITATION OF EXPRESSION OF INTEREST

EOI No. KEMDEL/Consultant firms/2020/03 **Dated : 19-08-2020**

Name of the work:

NOTICE INVITING EXPRESSION OF INTEREST FROM CONSULTANT FIRMS FOR EMPANELMENT AT KEMDEL

Name:
THE MANAGING DIRECTOR
Address:
T.C26/954(old T.C 12/36),
"THE RETREAT",
Plamoodu,
Pattom Palace P.O
Trivandrum 695004

EMPANELMENT OF CONSULTANT FIRMS

TABLE OF CONTENTS

PART – I	LETTER OF INVITATION	PAGE 4
PART- II	SECTION 1 : Object, Scope of work	PAGE 5 - 7
	SELECTION PROCEDURE	PAGE 8 - 10
	MINIMUM QUALIFYING CRITERIA	PAGE 11
PART –III	APPLICATION AND ANNEXURES	PAGE 12 - 19

KERALA STATE MINERAL DEVELOPMENT CORPORATION LIMITED

EMPANELMENT OF CONSULTANT FIRMS

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

EOI No. KEMDEL/Consultant firms/2020/03 **Dated : 18-08-2020**

THE MANAGING DIRECTOR, KERALA MINERAL DEVELOPMENT CORPORATION LTD invites **Expression of Interest (EOI) for Empanelment** from qualified, experienced, competent and financially sound, registered Consultant Firms towards preparation of Feasibility & Detailed Sediment estimation Reports and Dam desilting procedures.

EOI Documents for Empanelment are to be downloaded from website www.kemdel.in from 19.08.2020

Last date & time of receipt of EOI : 03.09.2020 upto 5.00 PM

For details / information, please visit our website: www.kemdel.in

Interested parties are requested to submit their EOI in the prescribed format along with all supporting documents/ credentials within the stipulated date and time.

Name:
THE MANAGING DIRECTOR

Address:

T.C26/954(old T.C 12/36),
"THE RETREAT",
Plamoodu,
Pattom Palace P.O
Trivandrum 695004

KERALA STATE MINERAL DEVELOPMENT CORPORATION LIMITED

EMPANELMENT OF CONSULTANT FIRMS

SECTION 1

1. OBJECTIVE

The objective / requirement of this Expression of Interest is for the Empanelment of suitable registered Firms towards preparation of Feasibility & Detailed Sediment Estimation Reports and Reservoir Desilting procedures. The empanelment will be valid for 2 (Two) year from the date of selection.

KEMDEL may extend the period for one more year depending on the project requirement*.*

The Employer desires to empanel qualified Firms for taking up the below detailed services.

2. SCOPE OF WORK/ROLE OF THE CONSULTANT FIRM

Scope of work include the following

(A) Operations

Survey Components:

Phase I:

Field Survey

- Bathymetric survey at 25 m grid line spacing across the entire water spread area of the reservoir
- Surface Sediment sampling in the reservoir at 100 by 100 m grid spacing
- Coring for subsurface sediments at 400m by 400m spacing,;
- Coring to be done up to a depth of two meters in soft sediments, or up to a level of encountering large gravels/rock, whichever is shorter.
- Geo physical survey by Sub bottom profiling: at 250m line spacing within the reservoir area to demarcate the hard bottom levels.

Phase II:

Lab Studies& Deliverables

- Preparation of bathymetric charts in 1: 2500 scale for the entire water spread area.
- Data processing and preparation of sub bottom profiles/ sections at 250m interval cross lines.
- Sediment analysis and Preparation of Surface Sediments Distribution Map for the reservoir limits
- Core splitting &logging; Laboratory studies of core sediments at every 50 cm interval down core.
- Preparation of vertical sediment distribution profiles / logs from the cores .
- Resource estimation of sediments based on size classification for entire reservoir FRL area.

- Determination and reporting of carrying capacity / water holding capacity of the reservoir at FRL / near FRL level, and estimation of siltation/ sedimentation for the reservoir and comparison study viz a viz the previous records on siltation.

- Geological Report detailing the field procedures adopted, Surface and Sub surface sediment characteristics - determination of statistical parameters : sediment granulometry - statistical table including sediment type, sediment class percentage, mean size , median size, sorting, skewness, etc. and sediment resource estimation techniques adopted .

Phase III:

- Desiltation procedures to be adopted based on the sediment resources established by survey and in compliance with the SOP issued by Dept. of Irrigation Govt. of Kerala
- Identify methodologies for execution of Dam desilting based on the survey report findings
- Identify suitable desilting and separation techniques to comply with SOP guidelines

3. Mode of submission of offer

Offer should be submitted in two separate sealed covers super scribed as Part – 1 "Techno Commercial " & Part -2 "Price" and both enclosed in a single sealed cover indicating the **EOI No. KEMDEL/Consultant firms/2020/03 and** addressed to MD, KEMDEL.

Only Hard copies of the offer are expected to be submitted and soft copy of offer will not be entertained.

Offers received without Prequalification Criteria (with supporting documents), as stipulated will not be considered for the further process. Offers meeting the pre-qualification criteria are only eligible and those offers only shall be considered for techno commercial evaluation. Offers received without complying the prequalification criteria will be summarily rejected without any further communication from KEMDEL side.

Tender should be submitted at KEMDEL Office at Trivandrum by stipulated date and time.

4. Minimum Qualifying Criteria

A) Technical

1. If the applicant is a partnership firm/ company or consortium, submitting the tender they should attach with the tender a duly certified list showing clearly the names and address of partners, office bearers of the firm, company or consortium members duly specifying lead partner as the case may be and also the authority of the persons signing the tender to bind the firm, company or Consortium (Consortium agreement template as per **Annexure D**) as the case maybe. In case of consortium, an agreement duly signed between the members should be attached. A consortium can have a maximum of two entities.

2. The applicant should have previous work experience as contractor/sub- contractor/ consultant engaged in similar works for Government /Public Sector Undertakings/ Departments under Central or State Governments or Government Agencies.

Similar Works means:

(a) Determination and reporting of carrying capacity / water holding capacity of the reservoir and estimation of siltation/ sedimentation for the reservoir an comparison study viz a viz the previous records on siltation.

(b) Estimation of Sand/ Sediment resources in reservoirs/ rivers, large water bodies based on size classes by detailed sampling or coring methods and sediment analysis and expertise in executing turnkey desilting projects in lakes, rivers, canals, dams etc.

B) Financial

1 Company/ Firm or the Lead partner in consortium should have an average Turnover of **Rs 2 Crores (INR Two Crores only**) during the last three financial years viz. 2017-18, 18- 19, 19-20.

2. Annual Turnover Certificate from chartered Accountant for last three financial years

3. The Consultant Firms should have valid company Income Tax and have GST registration as a firm etc.

C) Organization

a. The Consultant Firms should have proven experience to provide a Feasibility & Detailed Sediment estimation Report

b. The Consultant Firms should provide Dam desilting and separation plan in compliance with SOP issued by GOK.

SELECTION PROCEDURE FOR EMPANELMENT

The selection of the firms for empanelment shall be done following the **Combined Quality Cum Cost Based System (CQCCBS**), since the work involves skills of highly technical and scientific in nature where weightage needs to be given to high technical standards.

The evaluation will be based on both technical and commercial terms submitted by the firms. Technical Evaluation and scores are assigned as per the table given below

The credentials submitted by the Consultant Firms to satisfy the eligibility criteria shall be scrutinized based on the marking system as below:

Technical

S No.	Criteria	Weightage
1)	**Past experience of the bidder in similar works. (Please refer Annexure A for grading details)**	**60 marks**
2)	**Professional Experience of Key Personnel for similar works (Please refer Annexure B for grading details)**	**30 marks**
3)	**Financial strength of the firm (Please refer Annexure E for grading details)**	**10 marks**

Financial

4)	**Aggregate of Commercial rates for each line Item as per Annexure C**

Short-listing of bidders:

Cost Evaluation under Combined Quality Cum Cost Based System (CQCCBS)

Under CQCCBS, the technical proposals will be allotted weightage of 70% while the financial proposals will be allotted weightages of 30%.

Proposal with the lowest cost may be given a financial score of 100 and other proposals given financial scores that are inversely proportional to their prices.

The total score, both technical and financial, shall be obtained by weighing the quality and cost scores and adding them up.

Highest points basis: On the basis of the combined weighted score for quality and cost, the consultant shall be ranked in terms of the total score obtained. The proposal obtaining the highest total combined score in evaluation of quality and cost will be ranked as H-1 followed by the proposals securing lesser marks as H-2, H-3 etc. The proposal securing the highest combined marks and ranked H-1.

An example of CQCCBS evaluation is given below:

The minimum qualifying marks for technical qualifications is 70 marks out of 100 and the weightage of the technical bids and financial bids is 70: 30.

In response to the EOI, say three proposals, A,B & C were received.

The technical evaluation committee awarded them 75, 80 and 90 marks of technical score for proposal from A, B and C respectively. The minimum qualifying marks are 70. All the 3 proposals were, therefore, found technically suitable and their financial proposals opened after notifying the date and time of bid opening to the successful participants.

The price evaluation committee examined the financial proposals and evaluated the quoted prices as under:
Proposal Evaluated cost
A Rs.120.
B Rs.100.
C Rs.110.

Using the formula LEC / EC, where LEC stands for lowest evaluated cost and EC stands for evaluated cost, the committee gave them the following points for financial proposals:

A : 100 / 120 = 83 points
B : 100 / 100 = 100 points
C : 100 / 110 = 91 points
In the combined evaluation, thereafter, the evaluation committee calculated the combined technical and financial score as under:

Proposal A: 75x0.70 + 83x0.30 = 77.4 points.
Proposal B: 80x0.70 + 100x0.30 = 86 points
Proposal C: 90x0.70 + 91x0.30 = 90.3 points.

The three proposals in the combined technical and financial evaluation (CTFE) were ranked as under:

Proposal A: 77.4 points : H3
Proposal B: 86 points : H2
Proposal C: 90.3 points : H1

Proposal C, having scored the combined CTFE score of 90.3 will be declared as the H1 bidder.

KEMDEL will determine whether the Financial Proposals are complete and unconditional. The cost indicated in the Annexure C shall be deemed as final and reflecting the total cost of works / services quoted for.
Proposals of the post technically qualified bidders during the process of evaluation of the technical bid will finally be ranked according to the combined technical and financial evaluation(CTFE) as given in above example.

The minimum qualifying marks for technical qualifications is 70 marks out of 100 and the weightage of the technical bids and financial bids is 70: 30.
The successful firm shall be the first ranked bidder (whose total score is the highest- H-1 Bidder).
KEMDEL reserves the right to empanel the firms which attain the qualifying marks.

Note :

a. Copies of certificates are to be attached as proof for obtaining points.
b. The decision of KEMDEL shall be final and binding on the Consultant Firms.
c. Please note that the applications should be strictly as per the prescribed formats given hereunder with all supporting documents /credentials.
d. The applicant shall submit the documentary evidence like copies of completion Certificate / Work Orders/ Agreement issued by the client's as a proof of experience of the projects prescribed in all categories.
e. KEMDEL reserves the right to ask for any additional / supporting documents related to technical qualification of the bidders
f. Self-attested Certificate of legal stature of the Consultant Firms with details.
g. If there is any disqualification in the minimum criteria prescribed for the applicant, the application will be invalid for consideration.
h. Annual Turnover Certificate from chartered Accountant for last three financial years
i. KEMDEL reserves the right to cancel the tender if required.

Minimum Qualifying Criteria

Table-I

SL No.	Minimum qualifying Criteria	✓
A	**TECHINICAL**	
1.	Enclose Registration Details of Firm/ Company	☐
B	**FINANCIAL**	
1.	Copies of Registration with Income Tax/ GST	☐
2.	Copies of Audited Balance Sheet & P &L Account for the last three financial years along with Turnover certificate from Chartered accountant	☐

**To be filled by Employer's representative.*

APPLICATION AND ANNEXURES FOR EMPANELMENT OF CONSULTANT FIRMS

PARTICULARS OF THE APPLICANT

1.	Name and address of the Consultant Firms	
2.	Telephone Nos. including Mobile No. of the Contact person	
3.	E-mail ID & Fax No.	
4.	Constitution of the firm (Proof to be enclosed)	
	a) Year of Establishment	
	b) Details of GST registration	
	c) PAN	
5.	Name of Partners / Directors	
	a) Bio data of Partners/ Directors	
6.	Bankers Name & Address	

To be filled in by Applicant

CERTIFICATION

I / We the undersigned have completely read and understood the enclosed scope of work.

I / We the undersigned hereby certify that to the best of my / our knowledge and belief, the details provided above correctly describe me / us, my / our qualification and my / our experience.

I / We the undersigned hereby certify that at present I / We has/have no any Vigilance/ Court case also not debar or blacklisted from any Government bodies, agencies

Signature of / Authorized Representative
of Firm /Consortium

ANNEXURE - A

Professional service rendered in Similar Works for Government/ PSU/ Government agencies/ other Sectors

Sl. No	Name of Project & Location	Name of Employer	Year of Completion	Certificate copies enclosed (Y/N)	Work order value	Points*
1						
2						
3						
4						
5						
6						
				Total Points earned		

*Points to be filled in the Employer's representative.

Grading system

For each work order with value above 10 lakhs	8 points

ANNEXURE - B

Details of Qualified Technical Personnel

Sl. No	Name & Designation	Professional Qualification	Bio-data Enclosed (Y/N)	Points*
1				
2				
3				
4				
5				
6				
			Total Points earned	

*Points to be filled in the Employer's representative.

Qualified personnel implies

1. M.Sc Geology Post Graduate with a minimum of experience in three similar works.
2. B.Tech/B.E Graduate in Water resource Engineering /Civil Engineering/ Mechanical engineering with minimum experience in two similar works.
3. Diploma Holders with minimum experience in one similar work
4. Other Bachelor's Degree with minimum experience in one similar works

Grading Points system

Team Leader - Geologist / Geophysicist having 15 years of work experience and carried out at least 3 similar works	15
Two Engineers B Tech/ BE in Water resource Engineering /Civil Engineering/ Mechanical engineering having 5 years of work experience and carried out at least 2 similar works	10
Hydrographer/Surveyor having at least two similar work experience	5

ANNEXURE - C

Price bid for each line item

Sl. No	Work Scope	Rates in INR
1	Mobilization / demobilisation charges in- lump sum rate	
2	Bathymetric survey -rate per line Km	
3	Sub bottom profiling-rate per Line km	
4	Surface sediment sampling and grain size analysis of sediments - rate per number of sample.	
5	2.0m depth Coring for subsurface sediments and grain size analysis of sub samples at every 50 cm core length -in numbers.	
6	Sediment classification and Sediment resource estimation as per size class in a reservoir/tank/lake – per sq km or part thereof	
7	Final report encompassing all the salient findings of the above studies and method of evaluation of sediments – lump sum rate.	
Total		

`

ANNEXURE D

CONSORTIUM AGREEMENT

This Consortium Agreement is made at .....on ...day of .....2020 between M/s ..... (Please indicate the status viz. Proprietor, Firm, Company) represented through its authorized representative (hereinafter referred to as "First Party") and M/s .....(Please indicate the status viz, Proprietor, Firm, Company) represented through its authorized representative, (hereinafter referred to as "Second Party").

WHEREAS the First Party is engaged in the business of
.....
AND WHEREAS THE Second Party is engaged in the business of
.....
AND WHEREAS both the parties are desirous of entering into a Consortium Agreement for participating in KEMDEL (The Employer) tenders in connection with the work of ..... (Project title) herein referred to as the "subject works".
AND WHEREAS the First Party and Second Party have agreed to form of Consortium Agreement for execution of subject works.

NOW THIS DEED WITNESSED AS UNDER:

1. That under this Consortium Agreement the work will be done jointly by the first party and second party.
2. It is further agreed by the Consortium Partners that M/s....., has been nominated as Lead Partner for this tender.
3. That all the parties shall be liable jointly and severally for the satisfactory execution of the contract in all respects in accordance with terms and conditions of the contract and the lead partner shall be authorized to incur liabilities and receive instructions for and on behalf of any and all the partners and parties of the Consortium and the entire execution of the contract including payments shall be done exclusively with the lead partner.
4. The proposed participation scope of activities to be performed and responsibilities of each:
   The proposed administrative arrangement, participation, scope of activities to be performed and responsibilities for the execution of the work of the each party shall be asunder:
   First Party:
   Second Party:

5. The Registered office of the parties as under:
   First Party:
   Second Party:

6. The law of the country where the project is implemented / realized will govern this agreement.

7. The validity of this agreement is 180 days from the date of signing of agreement or otherwise till the end of the project in all respects, in case is empanelled for providing required services under the contract.
8. Neither party shall discuss, disclose or otherwise divulge any information related to the contents of this agreement, the projects and business to any third party without prior written consent of the other party.
   Disclosure of the information is a liable action.

IN WITNESS WHEREOF the parties hereto have signed hereunder at.....on.....day of 2020

Party of First Part

Party of Second Part

Witness
1)
2)

ANNEXURE E

Grading points for Financial criteria

Minimum average turnover of 2 cr in last 3 years	6
Minimum average turnover Above 5 Cr in last 3 years	8
Minimum average turnover of 10 Cr and above in last 3 years	10