

Expression of Interest

Fabrication & Installation of Components for Mechanized Segregation System
for Integrated Legacy Waste Disposal System



Expression of Interest (EOI) for

Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System



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Central Mechanical Engineering Research Institute

Council of Scientific and Industrial Research

(An Autonomous Institution)

Government of India - Ministry of Science and Technology

M.G. Road, Durgapur 713209, West Bengal, India

E-mail: bdg@cmeri.res.in



Invitation for Expression of Interest

Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur, under the aegis of Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology, Govt. of India, invites expression of interest (EOI) for “Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System”. The EOI document containing details of scope of work, eligibility criteria instructions, pre-qualification criteria etc. along with necessary formats for submission is attached. The eligible firms may submit their responses in sealed envelopes in prescribed format addressing to The Director, CSIR- Central Mechanical Engineering Research Institute (CSIR-CMERI), M.G. Road, City Centre, Durgapur, 713209, West Bengal, India by 15th January 2024 till 3:30 PM

Expression of Interest Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System

2.1) INTRODUCTION:

The Central Mechanical Engineering Research Institute (CSIR-CMERI), Durgapur is a premier research Institute under aegis of Council of Scientific and Industrial Research (CSIR), involved in multidisciplinary R&D programmes of both basic and applied nature across scientific disciplines for economic, environmental and societal benefits for the people of India. As the only national laboratory dedicated to mechanical engineering, the core mission of the CSIRCMERI is to conduct research and develop cost effective and value added technologies in mechanical engineering and allied domains. Yet another element of CSIR-CMERI's mission is to contribute significantly to national skill development initiatives for sustainable empowerment. CSIR-CMERI envisages emerging as a global R&D institute having confidence of industries and visibility to society in mechanical engineering sciences and technologies.

CSIR-CMERI invites Expression of Interest (EoI) from Waste Management Companies/ EPC Contractor / Equipment Suppliers / Manufacturer / Fabricator/ MSEs / Start-Up etc for fabrication, installation, commissioning of Mechanized Segregation System for Integrated Legacy Waste Disposal System. After analysis and due evaluation of the bidder capabilities by an Expert Committee, a tender for the same shall be issued with detail technical specifications to short list providers, based on the selection criteria determined by above said Committee.

2.2) PLANT DESCRIPTION:

CSIR- CMERI has developed suitable technology for disposal of Municipal Solid Waste in scientific manner. It is pertinent to mention that the scientists are already involved in conducting in-depth research in Mechanized Segregation, Plasma Gasification, Pyrolysis, Bio-methanation, Briquette making and utilization of Construction & Demolition waste. CSIR-CMERI has already developed a MSW Management Pilot Plant where day to day wastes generated at CMERI Colony are being processed and aiming towards "Zero Waste CMERI Colony".

2.3) MSW CHARACTERISTICS:

A brief detail of physical characteristics of waste currently under processing are provided below. However, the physical composition changes from place to place, season to season.

Components	Overall (%)
Fines	60-70
Plastic	5-10
C&D Waste	10-15
Bio-degradable	5-10
Inert	5-10

2.4) SCOPE OF WORK:

The brief scope of work for participant is as follows

Fabrication & Installation and Commissioning of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System of 10ton/day capacity.

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3) Pre-Qualification Criteria (PQC):

- a) The bidder should have experience in fabrication, supply, installation of similar machineries for execution of projects in the field of municipal solid waste management at Municipal Corporation/Municipality.

or

- b) The bidder must be a technology licensee from any Govt. R&D Laboratory/Academic Institute (Central/State/Autonomous/PSU) in the field of solid waste management
- b) Bidder should not have black-listed by any other CSIR laboratory, or by any other R&D Organization, Govt. of India.
- d) Bidder should have a Positive Net Worth of 30.0 lakhs in the preceding Financial year

The bidder need to submit necessary documentary evidences in support of the above which are subjected to verification.

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4. Selection Criteria

CSIR-CMERI shall evaluate the firms for short listing, inter-alia based on their past experience of handling similar types of work, strength of their man power and financial strength of the firm. CSIR-CMERI will assign scores to the response of each firm based on weightage assigned to each of the criteria are as under. CSIR-CMERI shall short list the vendor through presentation before expert committee and verification of documents and qualifying marks are 60 out of 100 marks. All the firms who have got the minimum threshold of marks as above will only qualify for further participation in the subsequent process.

Selection Criteria

Sl.	Criteria	Max. Marks (%)
1.	Past Experience of the firm [Format 2 and 3]	
1.1	Experience & details of work done in the field of solid waste management or The bidder must be a technology licensee from any Govt. R&D Laboratory/Academic Institute (Central/State/Autonomous/PSU) in the field of solid waste management	60
2.	Experience of Key Personnel Qualifications [Format-4]	20
2.1	Academic Qualification	
2.2	Activities carried out in last 3 years	
3.	Financial strength of the Firm [Format-5]	20
Total		100

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6) GENERAL TERMS & CONDITIONS

6.1 EXECUTION METHODOLOGY:

Bidders shall submit execution methodology and time required to execute the project and the time required for execution of the project. (Weightage shall be given to a bidder who can implement the proposed system in the minimum time period)

6.2 PAYMENT:

Payment will be linked to the success of the project with phasing and evaluation of prescribed milestones. CSIR-CMERI proposes to pay to the bidder as per the payment terms jointly agreed upon after successful bidding process is over/ after successful commissioning and performance guarantee demonstration by the bidder.

6.3 REQUESTS FOR CLARIFICATION

If at any time during the EoI process, CSIR-CMERI requires any clarification on the EoI proposal submitted by the interested bidder, it reserves the right to request such information from any or all of the interested bidders and such bidders will be obliged to respond and supply the same within such reasonable time frame as may be required.

6.4 MODIFICATION/CANCELLATION

- i. CSIR-CMERI reserves the right to amend/modify/delete any of the above conditions and/ or the process as may be deemed necessary in the light of the facts and circumstances of the cases and requirement
- ii. CSIR-CMERI reserves the right to proceed with/ cancel the process irrespective of the response to EoI.
- iii. CSIR-CMERI at its discretion may extend the last date for submission of proposal to the EoI.
- iv. Interested parties are advised to keep themselves informed by checking CSIR-CMERI website <https://www.cmeri.res.in> regularly for any such modification/ cancellation that may be notified. CSIR-CMERI shall not be notifying any such modification separately through any other media.
- v. Decision of CSIR-CMERI in respect of the above would be final and binding on the parties.

6.6 GOVERNING LAWS/JURISDICTION/ARBITRATION

All matters relating to the EoI and selection of interested bidder shall be governed by the laws of Union of India. Only courts at Durgapur (with exclusion of all other courts) shall have the jurisdiction to decide or adjudicate on any matter, which may arise out of or in connection of the EoI process.

6.8 EoI PROCESS

Following completion of the initial process, all shortlisted parties fulfilling eligible criteria will be provided with an opportunity to hold further discussions with the CSIR-CMERI team after a Non-Disclosure Agreement (NDA) as per the format provided by CSIR-CMERI. CSIR-CMERI will provide necessary information relevant to the EoI and are in its possession, if required by bidder. However, providing information will be the sole discretion of CSIR-CMERI.

- i. The proposal to the EoI shall be submitted at the following address on or before **3:00 PM** of last date of submission during the working days and working hours through E- mail / courier:

The SPO

Stores & Purchase

CSIR-CMERI

Durgapur-713209

e-mail: pur@cmeri.res.in

Phone: +91

The covering envelope containing aforesaid documents submitted should be clearly marked:

Submission of Document: EOI for Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System

- ii. Opening of the proposal: Bidder may remain present personally or may depute an authorized representative at the time of opening of proposal.
- iii. The parties who have applied for EoI and qualify the criteria may be considered for participation in main tender. However, CSIR-CMERI reserves the right to accept or reject any or all proposals, re-invite EoI or go for open tender without assigning any reasons whatsoever.
- iv. Mere participation & qualification in EoI will not automatically mean those bidders are considered qualified for participation in tender.
- v. Though adequate care has been taken while issuing this EoI document, CSIR-CMERI shall not be responsible for any consequences due to misprinting or any

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wrong translation by the newspaper/magazine/web portal concerned. The respondent shall satisfy itself that document is complete in all respects. The respondent shall visit CSIR-CMERI and verify facts in case of confusion, before submission of EoI.

vi. CSIR-CMERI may, in its sole and absolute discretion, independently verify any information submitted with the EoI proposals by bidders.

vii. This EoI does not create a tender process. By this EoI, CSIR-CMERI reserves to itself the right to consider and analyze the proposals received against EoI, short-list select respondents without limiting the generality of the foregoing, CSIR-CMERI reserves the right to:

- a. Reject any EoI, whether or not complete and whether or not it contains all the required information.
- b. Require clarification of any EoI; request additional information on any EoI.
- c. Reject any or all EoIs without any obligation, or any compensation or reimbursement to the respondents.
- d. Modify the terms and conditions of the EoI and subsequent processes.

6.9 Further information/ clarifications:

Any request for further information or clarification relating to the contents of this EoI document, may be submitted in writing to:

To
The SPO
Stores & Purchase
CSIR-CMERI
Durgapur-713209
e-mail: pur@cmeri.res.in
Phone: +91

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7.0 Forms: Respondents are requested to fill up all the mandatory forms.

7.1 Submission of proposal

FORMAT-1

Applicant's consent Form
<p>To The Director, CSIR- Central Mechanical Engineering Research Institute (CMERI), M.G. Road, City Centre, Durgapur, 713209, West Bengal, India.</p> <p>Subject: Submission of Expression of Interest for "Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System".</p> <p>Dear Sir,</p> <p>In response to the Invitation for Expressions of Interest (EOI) published on for "Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System" we would like to Express Interest to carry out the Services under all the categories as instructed, we attach following documents in sealed envelopes:</p> <ol style="list-style-type: none">1. Firm Contact Details (Format-2)2. Experience in related fields (Format-3)3. Experience of key personnel (Format-4)4. Financial strength of the organization (Format-5)5. Additional information (Format-6)6. Declaration (Format-7) <p style="text-align: right;">Sincerely Yours,</p> <p style="text-align: right;">Signature of the applicant</p> <p style="text-align: right;">[Full name of applicant] Stamp & date</p>

Encl: as above

Note: This is to be furnished on the letter head of the organization.

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FORMAT-2

Firm Contact Details	
Name of Firm :	
Type of Registration of firm:	
Year of Registration of firm:	
Registered Address :	
Contact Address:	
Telephone :	
Contact Person :	
Mobile No.	
Fax :	

Signature of the applicant

Full name of the applicant

Stamp & Date

FORMAT-3

Experience in Related Fields		
Overview of the past experience of the Firm in Handling Intellectual Property and other related work.		
Sl. No.	Items	Particulars
1.	Experience & details of work done in the field of solid waste management with any Municipal Corporation/ Municipality/ Govt. Body/ PSU/ Autonomous/ R&D Organization/ Academic Institute	
2.	Experience & details of work done with others than Sl. No. 1	
3.	Other relevant experiences	
<div style="text-align: right;">Signature of the applicant</div> <div style="text-align: right;">[Full name of applicant] Stamp & date</div>		

FORMAT-4

Experience of Key Personnel

Overview of the qualification and past experience of the key personnel

Name: Designation: Date of Birth: Qualifications: Experience:

(Activities carried out in last 3 years)

Note: Information regarding best three key personnel may be provided. They should be on the payroll of the applicant. Separate sheet may be used for each individual. Each individual will be evaluated separately and then average of the all personnel will be taken for final evaluation.

Signature of the applicant

[Full name of applicant] Stamp & date

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FORMAT-5

Financial Strength of the Firm		
Annual turnover for last three Financial Years		
Sl. No.	Year	Turnover
1.		
2.		
3.		
Note: Please attach auditor's certificate (certified copy) in support of your claim.		

Signature of the applicant

[Full name of applicant] Stamp & date

FORMAT-6

Additional Information		
1. List all attachments related to the previous sections.		
S.No.	Description	No. of pages (From- to)
2. Additional information to support the eligibility. (Not more than 2 pages).		
<div style="text-align: right;">Signature of the applicant</div> <div style="text-align: right;">[Full name of applicant] Stamp & date</div> <div style="text-align: left;">Note: Separate sheet may be used if necessary.</div>		

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FORMAT-7

Declaration

We hereby confirm that we are interested to work with CSIR-CMERI in Fabrication & Installation of Components for Mechanized Segregation System for Integrated Legacy Waste Disposal System under all categories and all the information provided herewith is genuine and accurate to the best of our knowledge.

We also confirm that our firm has not been black listed or has any litigation or any conflict of interest that may impact on the delivery of services.

Authorized Person's Signature:

Name and Designation:

Date of Signature:

Note: This declaration is to be furnished on the letter head of Organization