

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI)

(An Autonomous R&D Institute Under Department of Heavy Industry, Ministry of
Heavy Industries and Public Enterprises, Govt. of India.)

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EoI No. CMTI/ESD/EoI/02/2021-22

Expression of Interest (EoI)

From Reputed Structural consultant/ Consultancy Firms for

**Consultancy services for Design of RCC machine
Foundation and adjacent floor slab for 10 Tonne
Mixer machine.**

CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI)

Name of Work: Expression of Interest (EoI) for hiring Structural Consultancy services for Design of RCC machine Foundation and adjacent floor slab for 10 Tonne Mixer machine at Central Manufacturing Technology Institute

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Notice Inviting for: Expression of Interest (EoI) Structural Consultancy services for Design of RCC Foundation for 10 Tonne Mixer machine at CMTI

The Director, CMTI, invites Expression of Interest (EoI) from the reputed Structural consultancy Firms meeting the minimum eligibility criteria for the following work:

Sl. No	Name of Work	Start date and time of Downloading / Submission of EoI	End date and time of downloading / submission of EoI	Date of opening of bid.	Processing Fee
1	Structural Consultancy services for Design of RCC machine Foundation and adjacent floor slab for 10 Tonne Mixer machine	29/6/2021 10.00AM	12/07/2021 17.00hrs	13.07.2021	Nil

The proposal shall be opened at Central Manufacturing Technology Institute, Bangalore on the date and time mentioned above

The tendering process is offline and EoI details are available in the website www.cmti-india.net. All interested bidders are requested to visit this tendering portal and submit their bids to CMTI before the date of closing.

If any of the dates mentioned above happens to be a holiday, the actual dates for the same will be the next working day. No separate intimation in this regard will be issued.

The bidding authority reserves the right to modify /cancel any or all proposals without assigning any reasons. CMTI will not be responsible for any errors like missing of schedule data while downloading by the bidder/ non receipt of document / delay if any.

Further details can be had from

- 1) The Group Head(Engineering Services),
CMTI, Bangalore
- 2) Executive Engineer/ Scientist-C
Engineering Services, CMTI, Bangalore
aruncj@cmti.res.in 08022188262/271

1. CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE (CMTI).

1.1 Introduction/Background

Central Manufacturing Technology Institute', CMTI, is a Research & Development organization focusing on providing 'Technology Solutions' to the manufacturing sector and assisting technological growth in the country. CMTI plays a key role in applied research, design and development (RD&D), technology forecasting, assimilation and dissemination of manufacturing technology to Indian industries.

CMTI is a registered Government of India Society, an autonomous institution under the administrative control of the Ministry of Heavy Industries & Public Enterprises, Government of India, governed by a Governing Council which has representation from the machine tool manufacturing and user industries, the Union Government and the Government of Karnataka. The Governing Council evolves Policies and monitors policy deployment. A Research Advisory Board (RAB), a Technical Committee with representatives from industries and academia, assists the institute on matters relating to technology advancement.

CMTI over the past five decades has executed multi-domain, complex projects with predominant R&D content giving technology thrust to industries. Eco-system of Pre-competitive RD&D projects has created a pool of multi-disciplined, skilled, experienced and knowledgeable human resource with an R&D inclination. Knowledge and Skill sets of scientific community are upgraded continuously to meet the challenges of manufacturing industries.

2. Selection of **Structural Consultants**

2.1 Objective

CMTI is developing a 10Tonne mixer machine for various government institution for their usage needs . In order to provide an RCC foundation for this heavy machinery CMTI propose to hire services of a **Structural Consultancy/ Consultant for Design of RCC machine Foundation and adjacent floor slab for 10 Tonne Mixer machine at CMTI.**

It is proposed that the **Structural Consultants** will Prepare and submit a **Detailed Report including Designing, Analysis, & Bill of Quantities with specifications acceptable to CMTI.** The details of the machine required for the load calculations will be shared with the successful consultant. The Designs once accepted by CMTI becomes the property of CMTI.

The Offer should be submitted in a single cover Super scribing” **Expression of Interest for Hiring Structural Consultancy/ Consultant for Design of RCC Machine Foundation and adjacent floor slab for 10 Tonne Mixer machine at CMTI.”**

3. **Scope of work:**

The primary scope of work is for the structural designing **of RCC Foundation for 10 Tonne Mixer machine and its pathway slab till edge of the building.**

The scope need to be achieved by

- a) Structural modeling and analysis of new RCC foundation for 10 Tonne mixer machine (Appx. Weight of fully loaded machine is 150Tonne) with the available details including static and dynamic loads along with Floor slab for transportation of the machine. (All the details of machine will be given by CMTI as Soft/hard copy.)
- b) Structural analysis and design of the foundation to be done in STAAD Pro or Equivalent software.
- c) Preparation and submission of all structural drawings showing connectivity to adjacent floor slabs. The drawings need to be submitted in triplicate hardcopy and one soft copy.
- d) Submitting Bill of Quantities

4. Eligibility

The applicant must be a reputed Structural Consultancy & Designing firm with multiple specializations, experience and expertise in **Design, analysis, execution of Industrial buildings with design of machine foundations with dynamically acting loads.**

The Firm should be in the aforesaid projects in India or abroad for a period of minimum Five years ending December 2020

The applicant should have completed Structural Consultancy services for works within last Seven years as per the below mentioned criteria. Only firms having completed similar consultancy work in the above period only will be considered for evaluation and others will be discarded.

Eligibility conditions:

1. Firm/ Individual should have completed Structural Design consultancy works & Design of Machine foundations with dynamic loads.
2. Consultant/ firm should have a Qualified structural Engineer (M.Tech in structures) with minimum 10 years of experience in design of RCC structures. The details of which are to be submitted and will be considered for evaluation of eligibility.

The eligible Firm/ Individual shall be required to submit self attested copies of the following along with the application.

- i. Copy of registration certificate of the firm. (Govt entities are exempted).
 - ii. Documents supporting the claim as per the above including the appointment letter / work order or contract agreement and letter of successful completion from the client departments.
 - iii. Details of Permanent Account Number (PAN)
 - iv. GST registration certificate
5. Instructions & Guidelines for Submission of Application for Selection of Consultant.

The document can be downloaded from our website at www.cmti-india.net from

Any addendum/corrigendum relating to this EoI will be published in CMTI website only & these will be part of the tender.

Application with annexures I to V in Technical Bid Cover and Financial package (annexure VI) in Financial cover shall be submitted in single sealed envelope superscribing **“Expression of Interest (EoI) for hiring Structural Consultancy services for Design of RCC Machine Foundation and adjacent floor slab for 10 Tonne Mixer machine at Central Manufacturing Technology Institute, on or before 12/07/2021 up to 17:00hrs at CMTI , Tumkur Road, Bangalore – 560022.**

The application shall be signed by the authorized person (s) of the firm. All pages of the EoI document shall be signed and seal affixed by the applicant.

The application shall be submitted only as per the enclosed format (s) along with annexure, along with Self-attested documentary proof(s) in respect of the details furnished in the application form. The intending firms shall also submit the list of such projects where due to any disputes/litigation was invoked and or the consultancy services were abandoned/suspended by the client(s). Suppression of any information in this regard may lead to disqualification of the Firm/Individual concerned, if such information comes to the notice of CMTI, subsequently incomplete applications will be summarily rejected.

CMTI reserves the right to accept or reject any application or cancel this EoI process without assigning any reason or incurring any liability thereof.

Applicants should give an undertaking certifying that the firm/ individual has not been blacklisted by any Govt. /Local bodies/PSUs.

Applicants for who have successfully fulfilled minimum criteria shall be eligible to apply. Certified copies of award letters or work order or contract agreement or completion certificate from the client (Certificate issued by an officer not below the rank of Executive Engineer or equivalent) in case of Govt. works should be enclosed.

EoI submitted by firms formed as joint ventures for the purpose of participating in this particular EOI is not eligible.

CMTI shall not be responsible for any delay/ loss of documents or incorrect filling of application form and annexures I to VI of the application. Also CMTI Shall not be responsible for delay/ non receipt of filled-in application form along with documentary proofs sent by registered post.

CMTI reserves the right to modify the criteria and take its own decision if so required.

The evaluation of the applications submitted by the firms/ individuals shall be undertaken based on details submitted by them strictly as per requirement of this EoI. No clarification/additional information in this regard will be sought from the applicants.

Applicants shall not be required to submit their own, additional information or material subsequent to the date of submission and such material if submitted will be disregarded. It is therefore essential that all the details are submitted by the applicants accurately and specifically as per requirement of this EoI. However, CMTI reserves the right to ask any clarification from the applicants for details submitted if it so desires during evaluation.

For any Clarifications you are free to contact Shri.Arun.C.J, Scientist- C/ Executive Engineer (Engineering Services), CMTI during the working hours from 9.00am to 5.00 pm.

EoI do not assure awarding/selection for any work.

6. Evaluation Criteria

Following points are considered for

6.1) Technical evaluation:

- i. Application Form duly filled
- ii. Organizational Details.
- iii. Experience of similar Structural Consultancy services completed.
- iv. Assignments in progress.

The Similar consultancy services mean services in Design & analysis of machine Foundations having dynamic loads in action.

The technically eligible consultants shall be decided by CMTI as per the **eligibility criteria**.

The evaluation carried out by the CMTI shall be final and binding.

Submission of satisfactory completion certificate from previous clients preferably from Govt/ public sector organizations.

Only those firms / Individual, whom CMTI find technically acceptable for this specific assignment, only will be considered for financial Evaluation

Work will be awarded to the firms/Individual who quotes lowest rate from the technically fit ones. A Work order will be issued to the lowest bidder stating scope of work as per the EoI and terms and conditions of payment.

The Financial bid to be submitted on the format attached as annexure VI in separate envelope (i.e in cover 2)

The terms and conditions of payment:

100% of the Quoted amount on submission of Final consolidated report including design, analysis, BoQ and drawings as per entire scope in complete.

No Cost Escalation will be applicable.

Any mistake / omission committed by the Firm have to be rectified by them without any extra claims.

CMTI reserves the right to modify the criteria and take own decision if so required.

7. Period of Completion

The period of Completion

30 days from receipt of Letter of Intent.

Penalty for delay: In case the successful bidder fails to complete the work in the specified time, CMTI shall levy penalty @ 1/2% of contract value per week of part thereof starting from the schedule completion date, subject to a ceiling of 10%.

8. Final authority:

Director, CMTI reserves the right to accept or reject any application and/or to annul the selection process and reject all applications at any time without assigning any reason or incurring any liability to the applicants and the decision taken by Director, CMTI will be final and binding on all.

APPLICATION FORM FOR STRUCTURAL CONSULTANCY FIRMS

INFORMATION TO BE FURNISHED BY THE APPLICANTS

Sl No	Particulars	Details
1	Name of Organization/ Individual	
2	Address	
	Mobile No.	
	Telephone No.	
	Fax No.	
	E-mail ID	
3	Organization Details	Annexure I
4	List of Consultancy assignments completed in the last Five years ending 31 st Dec, 2019	Annexure II
5	List of Consultancy assignments in progress	Annexure III
6	Undertaking	Annexure V
7	Details to be submitted in the covering letter	Annexure VI

Place

Signature of the Applicant

Date

Name & Designation

Annexure I

ORGANISATIONAL DETAILS

Sl.No	Parameter	Details
1	Year of Establishment	
2	Status of Firm (Govt /Proprietorship / Partnership/ Any other)	
3	Details of Enlistment as Structural Designing Firm	
4	Empanelment with Govt. Organizations if any (Mention names along with copies of empanelment letters)	
5	Name, Designation, Academic Qualification , Experience of	
	a. Key Personnel*	
	b. Others**	
6	Address and phone numbers of Head and Key personnel	

*The Team Head should be a Civil Engineering Post graduate (M.E/M.Tech) with minimum 10 years of Post qualification experience.

** Design Engineers- B.E/ B.Tech in (Civil/ Mechanical) minimum 4 years of experience.

Place

Signature of the Applicant

Date

Name and designation with seal

LIST OF ASSIGNMENTS COMPLETED IN LAST 07 YEARS ENDING 31st May, 2021

Sl.No	Name of Work/Project with address	Short Description of Consultancy assignments	Name and Address of owner/client	Cost of work/Project	Date of start of work/project		Date of completion of work/project		Bonus issued/Liquidated damages if any imposed on Consultant	Any other relevant information
					Stipulated	Actual	Stipulated	Actual		

NOTE:

Work/Project means Design and Structural Consultancy works of Industrial buildings with steel structure , retrofitting steel buildings Revamping aged structural steel buildings etc. The list of works/project mentioned should be substantiated with documentary evidence such as work orders or contract agreement or certificates

Place

Signature of the applicant

Date

Name and designation with seal

LIST OF ASSIGNMENTS IN PROGRESS (CIVIL)

Sl.No	Name of Work/Project with address	Short description of Consultancy assignment	Name and address of Owner/Client	Cost of work/Project	Date of Start of Work/Project	Date of Completion of Work/Project	Status of work	Expected date of completion	Any other Relevant Information

NOTE:

Work/Project means Design and Structural Consultancy works of Industrial buildings with steel structure , retrofitting steel buildings Revamping aged structural steel buildings etc. The list of works/project mentioned should be substantiated with documentary evidence such as work orders or contract agreement or certificates.

Place

Signature of the applicant

Date

Name and designation with seal

Annexure IV

UNDERTAKING

TO WHOM SO EVER IT MAY CONCERN

It is certified that our firm/ me.....is having in-house capability of carrying out Structural Consultancy services as laid down in Clause 3.0 of the Expression of Interest (Eol) for Structural Consultancy services for Design of RCC Foundation for 10 Tonne Mixer machine at Central Manufacturing Technology Institute

1. It is certified that our firm/ meis not blacklisted by any Central/State Govt Departments/ PSUs/ Autonomous and statutory bodies.
2. It is certified that the designs and analysis as per the entire scope of work will be carried out with sound engineering practice in line with national and international codes and regulations wherever applicable.
3. It is further certified that all information/data furnished in the application form and annexure are true to the best of our knowledge and belief.

Date

Signature of the applicant

Place

Name and designation with seal

Annexure VI

FINANCIAL OFFER

We (Name of firm/ Individual) hereby submit our best offer as per the Eol conditions as below .This is for you kind consideration.

Preparing and submitting detailed Report with all designs, drawings, specifications including BoQ.

The total Price for the structural consultancy work for Expression of Interest (Eol) Structural Consultancy services for Design of RCC Machine Foundation and adjacent floor slab for 10 Tonne Mixer machine at CMTI.

Amount = Rs.....

GST @ 18% = Rs.....

Total Amount = Rs..... ((in words))

(Price quoted without mentioning GST separately will be considered as inclusive of GST)

Quote in Indian Rupees only. In case quote in figures and words doesn't match amount written in works will prevail.

Place

Signature of the applicant

Date

Name and designation with seal