



EXPRESSION OF INTEREST (EOI)

For

'Selection of Agency for Processing & Reuse of Immersed Ganpati Idols (PoP) waste material at Mulund Dumping Ground'

Website -- portal.mcgm.gov.in/tenders

Due Date -29.09.2026

Office of Chief Engineer (SWM) Project ,

1st floor,

Bai Padmabai Thakkar Marg,

Kotwadi, Mahim (Shivaji Park),

Mumbai – 400016

Disclaimer



The information contained in this Expression of Interest (the "EOI") or subsequently provided to Applicant(s), whether verbally or in documentary or any other form by or on behalf of the Brihanmumbai Municipal Corporation (BMC) or any of its employees or advisors, is provided to Applicant(s) on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided.

This EOI is published with the intention to select suitable agencies for processing & reuse of immersed Ganpati Idols (PoP) material at Mulund Dumping Ground and to shortlist eligible participants in the subsequent Request for Proposal (RFP) process.

This EOI is not an agreement and is neither an offer nor invitation by BMC to the prospective Applicants or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in making their key submissions pursuant to this EOI. Each Applicant should, before submitting the EOI, conduct its own studies and analysis.

Information provided in this EOI to the Applicant(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be exhaustive on account of statutory requirements and should not be regarded as a complete or authoritative statement of law. BMC accepts no responsibility for the accuracy or otherwise of any interpretation or opinion on law expressed herein.

BMC and its employees make no representation or warranty and shall have no liability to any person, including any Applicant, under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EOI or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the EOI and any assessment, assumption, statement or information contained therein.

BMC also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused to any Applicant arising from reliance upon the statements contained in this EOI.

BMC may, in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI.

The issue of this EOI does not imply that BMC is bound to select an Applicant or to appoint the Selected Applicant, as the case may be, for the subject work, and BMC reserves the right to reject all or any of the Applicant(s) or Applications without assigning any reason whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application including but not limited to preparation, copying, postage, delivery fees, expenses associated with any site visits, demonstrations or presentations which may be required by BMC, or any other costs incurred in connection with or relating to its Application. All such costs and expenses will remain with the Applicant and BMC shall not be liable in any manner whatsoever for the same, regardless of the conduct or outcome of the Application process.



1. Notice Inviting Expression of Interest

Brihanmumbai Municipal Corporation (BMC) invites Expression of Interest (EOI) from experienced and reputed Contractors/Infrastructure/agencies/providers for processing & reuse of immersed Ganpati Idols (PoP) waste material at Mulund Dumping Ground within the Jurisdiction of BMC as well as outside of suitable location.

The purpose of inviting this EOI is to shortlist suitable, technically and financially capable agencies possessing requisite land, infrastructure and operational experience for processing & reuse of immersed Ganpati Idols (PoP) waste material at Mulund Dumping Ground.

The response to the EOI is to be submitted in a sealed envelope at the following address on any working day during office hours on or before 16:00 hrs on 29.09.2026.

**Chief Engineer (Solid Waste Management) Project,
1st floor,
Bai Padmabai Thakkar Marg,
Kotwadi, Mahim (Shivaji Park),
Mumbai – 400016.**

Email: ee02che.swmproject@mcgm.gov.in

Sd/-

Chief Engineer (Solid Waste Management) Project



2. Schedule of Events

Sr. No.	Event	Date & Time	Venue
1	Start date for downloading EOI document	12.09.2026	Office of Chief Engineer SWM Project
3	Pre EOI Meeting	22.09.2026	Same as above
2	Last date for submission of EOI	29.09.2026	Same as above
3	Date for opening of EOI	30.09.2026	Same as above
4	Announcement of shortlisted / qualified participants	06.10.2026	Same as above

1. If any date specified herein is a holiday, the next working day will be considered.
2. The schedule indicated above is tentative and BMC may change it.



3. Project Background

Brihanmumbai Municipal Corporation (BMC), one of India's largest Urban Local Bodies, is responsible for collection and environmentally safe disposal of immersed Ganpati Idols within its jurisdiction.

Brihanmumbai Municipal Corporation (BMC) facilitates citizens for immersion of a large number of Plaster of Paris (PoP) idols during Ganesh Chaturthi every year. Immersion of PoP idols in natural water bodies contributes to water pollution due to the slow solubility of PoP (calcium sulphate hemihydrate), and residual gypsum sludge accumulates at immersion sites, requiring periodic removal and disposal.

The matter is dealt in PIL No. 96 of 2024 and related petitions on the manufacture and immersion of Plaster of Paris (PoP) idols in Maharashtra. The case arose from environmental concerns linked to PoP idol immersion in natural water bodies and the implementation of CPCB guidelines.

Following the Hon'ble High Court's directions, the Maharashtra Government issued a policy on 21 July 2025 regulating PoP idol immersion. While appreciating the policy, the Hon'ble High Court further directed that all PoP idols up to 6 feet in height must be immersed only in artificial water tanks to minimize environmental impact. The Court also ordered strict enforcement of the guidelines, creation of adequate immersion facilities, and constitution of an expert committee for PoP recycling and reuse. These directions will remain effective until March 2026. As per the Hon'ble High Court's order dt 24.07.2025 the PoP material will be stored centrally at one place till final disposal in environmentally safe manner.

An **Expert Scientific Committee** constituted by Government of Maharashtra, vide Government Resolution (GR) dated 01.08.2025, examined available options for management of collected PoP idol waste materials, including biological disintegration, chemical disintegration and thermal processing (calcination). However, in the Chemical Disintegration process Ammonium Bi Carbonate is used in equal quantity as the idol weight and is 10 times more expensive. The Calcination process used for coarse grinding material to its original composition of PoP. After grinding the material can be again used for various application i.e. Making new idol, medical use plaster etc. The Committee concluded that biological disintegration is slow and not technically feasible at scale, and recommended two viable methods — Calcination (thermal, wet/dry process) and Chemical Disintegration .

BMC, therefore, invites Expressions of Interest (EOI) for processing of approximately 2850 Tons of Immersed/retrieved Idols from experienced and financially capable agencies, consortiums, technology providers/ technically competent agencies and infrastructure developers for undertaking scientific processing & reuse of immersed Ganpati Idols (PoP) waste material using either or both of these methods such other model as may be finalized during the subsequent RFP stage.



The objective is to identify technologically advanced and qualified participants for shortlisting and participation in a subsequent Request for Proposal (RFP) process.

4. Project Objectives

The objective of this EOI is to identify, evaluate and shortlist experienced and technically/financially capable agencies for,

- Collection and transportation of PoP idol waste / immersion sludge from designated collection points to the processing facility.
- Scientific processing of PoP waste through Calcination and/or Chemical Disintegration, in line with the process
- Environmentally compliant disposal, recycling or beneficial re-use of the processed material (e.g., new idol-making material, plaster board, PoP sheets, medical-use plaster, ceramic industry input, brick manufacturing, or filler material for the cement industry) and bidders to provide end use specific quality specifications and proof off-take/marketability.
- The applicant may be required to specify the proposed end product, applicable quality standards and proposed off-take arrangements.
- Environmental Compliance:- The applicable statutory permissions/consents, environmental safeguards, handling of chemicals, emissions, effluent and residual/rejected material with applicable Pollution Control Board norms and Solid/Hazardous Waste Management guidelines need to follow throughout the process.
- To check the economic viability of the processes.

Shortlisted agencies may subsequently be invited to participate in a detailed Request for Proposal (RFP) / tender process for award of the contract.

5. Scope of Work

5.1 Method 1 — Calcination Process (Thermal)

Calcination of used PoP idols shall be carried out at a suitable temperature (110°C to 160°C) in a furnace. The agency's reprocessing facility shall provide the following steps/equipment:

- Pre-drying facility for collected PoP waste.
- Coarse grinding to a uniform size suitable for subsequent calcination.
- Calcination of the coarse-ground material to restore it to its original composition of PoP (Calcium Sulphate Hemihydrate).
- Fine grinding to make it suitable for reuse for below stated purposes:-
 - i. For Idol making (High strength reprocessed PoP is required for this)
 - ii. For plaster board making (Medium strength PoP)
 - iii. For medical plaster (Average strength)



- iv. For ceramic toilet were casting (Low strength)
- v. Construction application (as filler material Cement Industry)

5.2 Method 2 — Chemical Disintegration Process

Used PoP idols may alternatively be processed by mixing with Ammonium Bicarbonate solution to convert the material into Ammonium Sulphate (liquid stage, usable as a micro-nutrient) and Calcium Carbonate. Calcium Carbonate output shall be beneficially used as a soil conditioner / nutrient source as per primarily by raising soil, which improves nutrient availability and yield

5.3 Method 3-Agencies may propose Method 1, Method 2, or an alternative scientifically validated and regulatory-compliant technology with full capacity, provided full technical validation, Commercial scale demonstration, process flow, mass balance and environmental compliance and statutory approvals details are furnished and end use of the recovered material.

6. Eligibility Criteria

S.No.	Criteria	Requirement
1	Legal status	Registered company / firm / society / trust in India, in operation for at least [3] years.
2	Relevant experience	Prior experience in PoP / gypsum waste processing, calcination, chemical waste processing, (minimum one similar successful assignments in last 7 years) for ULB/State Government/PSU/Central Governments.
3	Financial capacity	Minimum average annual turnover of RS.50 lakh over the last 3 financial years.
4	Statutory compliance	Valid GST registration, PAN, and consent to operate / establish from the State Pollution Control Board (or undertaking to obtain the same).
5	Technical capability	Demonstrated access to processing infrastructure (furnace/grinding unit or chemical processing setup) or a credible implementation plan.
6	Blacklisting	Not blacklisted / debarred by any ULB/Central/State Government department or PSU as on the date of submission.
7	Pre-Bid Meeting	Pre-Bid queries will be scheduled after 10 days of date of Invitation of EOI.

7. Consortium Requirements



Consortium participation shall be permitted.

Composition

- Consortium (Max. 3 members allowed) may include:
- Infrastructure Developer (Civil works contractors)
- Waste Management Operator
- Technology Provider
- Financial Partner

Consortiums/Joint Ventures are permitted under this EOI. The Lead Member shall hold not less than 51% equity participation in the Consortium/Joint Venture and shall be responsible for coordinating all activities on behalf of the Consortium/Joint Venture. A duly executed Consortium Agreement/MoU shall be furnished along with the EOI submission. The detailed eligibility requirements, shareholding pattern, roles and responsibilities of members, change in consortium conditions, and other related provisions shall be stipulated in the RFP document. The Consortium/Joint Venture conditions prescribed in the RFP shall have overriding effect and shall supersede any provisions contained in this EOI.

8. Documents to be submitted

1. Covering letter expressing interest, on the agency's letterhead.
2. Company profile, including year of establishment, legal status, and organizational structure.
3. Proof of relevant experience — work orders, completion certificates, or client references methodology and workplan for similar assignments.
4. Audited financial statements / turnover certificate (CA-certified) for the last 3 financial years.
5. Copies of PAN, GST registration, and any applicable Pollution Control Board authorizations/consents.
6. Technical proposal outlining proposed methodology (Calcination / Chemical Disintegration / alternative), processing capacity per day, facility location, and equipment list etc.
7. Self-declaration of no blacklisting/debarment, duly signed and stamped format.
8. Any other document supporting the agency's technical or financial capability.

9. Submissions Details

Interested agencies may submit their EOI, complete with all supporting documents, in a sealed envelope superscribed "Expression of Interest for processing & reuse of immersed Ganpati Idols (PoP) waste material at Mulund Dumping Ground [EOI Reference No.]" to the address mentioned above, on or before the last date and time indicated above.

10. General Terms and Conditions (Rights to BMC)

BMC reserves the right to:



- Accept or reject any application.
- Amend or withdraw the EOI.
- Issue clarifications.
- Modify eligibility conditions.
- Cancel the process without assigning any reason.
- Proceed through open competitive bidding.

11. Shortlisting

Based on evaluation of the submitted information, BMC may shortlist qualified participants as per evaluation criteria.

Shortlisted participants may be invited for:

- Technical Presentation.
- Demonstration of Existing Facilities/infrastructure
- Participation in subsequent RFP Process.

12. Submission Details

12.1 Validity of EOI

The proposal submitted against this EOI shall be valid for not less than 180 days from the EOI due date. BMC reserves the right to reject any EOI which does not meet the requirement.

12.2 Submission of EOI

The agencies fulfilling the eligibility criteria may submit their application in respect of this EOI as per the proforma attached to this document (Appendix-1) together with the requisite documents up to 16:00 hrs. on _____ physically at the address mentioned below, in a sealed envelope, clearly mentioning on the envelope:

**"EXPRESSION OF INTEREST FOR PROCESSING & REUSE OF IMMERSSED
GANPATI IDOLS (POP) WASTE MATERIAL AT MULUND DUMPING GROUND "**

To:

Chief Engineer (SWM) Project,

1st floor,

Bai Padmabai Thakkar Marg,

Kotwadi, Mahim (Shivaji Park),

Mumbai – 400016.

From: M/s _____ Contact No.: _____ Email ID: _____

12.3 Your sealed envelope shall contain:



- Downloaded EOI documents, all pages signed.
- Appendix-1 (Cover Letter).
- Proforma 'A' (Whoever It May Concern)
- Proforma 'B' (Undertaking for non-blacklisting)
- Documents mentioned in point no. 8 of this document.

13. Specific Conditions

- This EOI intends to shortlist / qualify eligible participants technical/operational capability for processing & reuse of immersed Ganpati Idols (PoP) material.
- Collection, Transportation, Weighing and Unloading of the Immersed Idol from BMC Ward to Mulund Facility will be the part of Brihanmumbai Municipal Corporation.
- The retrieved idols received at the central facility may contain material other than PoP like Wood, Bamboo, Cloth, Paint, decoration material, metal, Thermocol and other contaminants. Therefore. It is the responsibility of bidders to offtake and transport unsegregated material for processing at their end
- BMC reserves the right to terminate the procedure without assigning any reason.
- Based on the evaluation of eligibility criteria such as technically equivalent experience in PoP/Gypsum/Calcium Sulphate or similar processing, financial strength, and other conditions stipulated in this EOI, BMC may shortlist qualified applicants for participation in the subsequent RFP process for processing & reuse of immersed Ganpati Idols (PoP) waste material at Mulund Dumping Ground . Notwithstanding anything contained herein, BMC reserves the right to proceed through an open tender process and/or cancel, modify, or discontinue the EOI process at any stage without assigning any reason and without incurring any liability to the applicants.
- The final appointed firm through the RFP process shall be informed in writing by BMC.
- Initial prototype setup should be designed for demonstrating feasibility of operation on smaller scale (may be 4-5 Idols at a time), before award of the work.
- The participating firm shall arrange a site visit / demonstration of its existing plant(s) at its own cost, for BMC during evaluation.
- Selection Process: Shortlisting of applicants will be carried out on the basis of documents and information submitted in response to this EOI. The shortlisted applicants shall be invited to participate in the RFP process, including detailed technical and financial proposals, presentation and site verification, before the Committee constituted by the Competent Authority of BMC. BMC reserves the right to shortlist or reject any applicant without assigning any reason whatsoever.



- BMC reserves the right to negotiate on deliverables and commercials with the selected service provider during the RFP stage.

14. General Terms and Conditions

- The participating firms are solely responsible for timely delivery of the responses to the above-mentioned address and shall be solely responsible for any delay in receipt. Responses not received on or before the last date and time of submission shall not be considered. Postal delay shall not be entertained.
- The response to this EOI notice shall be complete in all respects. BMC may summarily reject incomplete or partial responses, including responses proposing land outside BMC jurisdiction, without assigning any reason.
- The participating firm shall bear all costs associated with the preparation and submission of the EOI, including expenses related to site visits, presentations, or demonstrations, if required by BMC. BMC shall not be responsible or liable for any such costs, irrespective of the outcome of the evaluation process.
- The EOI response shall be signed on each page by the authorized representative of the participating firm. A copy of the Power of Attorney / Authorization Letter of the authorized signatory shall be attached with the submission.
- BMC reserves the right to accept or reject any or all EOI applications without assigning any reason thereof.
- The decision of the Municipal Commissioner, BMC shall be final and binding in case of any dispute arising out of this EOI process.



Appendix 1 Cover Letter

Date: _____

To,

Chief Engineer (SWM) Project,

1st floor,

Bai Padmabai Thakkar Marg,

Kotwadi, Mahim (Shivaji Park),

Mumbai – 400016.

**Subject: Expression of Interest (EOI) for Processing & Reuse of Immersed
Ganpati Idols (PoP) waste material at Mulund Dumping Ground**

Respected Sir,

Having examined the EOI document, I / we, the undersigned, offer my / our Expression of Interest and undertake that the information submitted in the EOI, including details of land and existing plant capacity, is correct and true to the best of my / our knowledge.

I / We agree to the terms and conditions mentioned in the EOI document.

Yours faithfully,

(Authorized Signatory) Name: For and on behalf of:

Contact Details:

1. **Name and Address of the Company** Name: Address: Telephone No.: Fax: E-mail:
2. **Name and Address of the Contact Person** Name: Address: Direct Telephone No.: Mobile No.: Fax: E-mail:



PROFORMA 'A'
TO WHOMSOEVER IT MAY CONCERN

I / We hereby assure the following:

1. I / We shall ensure to arrange a site visit / demonstration of our existing facility during the evaluation period, if required, and shall bear all costs involved for the above-mentioned activity.
2. I / We have not been blacklisted or debarred from participating in tenders/EOIs by any Central Government / State Government / BMC / autonomous bodies / public sector undertakings during the last 5 financial years.
3. I / We shall abide by the general and specific conditions of the said EOI as well as the instructions issued by BMC and the Technical Committee from time to time.
4. I / We confirm that, if shortlisted, we shall participate in the subsequent RFP process for setting up of the PoP Idol Waste Processing Facility within BMC jurisdiction.

Yours faithfully,

(Authorized Signatory)

Name: For and on behalf of:

Proforma- B



(On Rs. 500/- Stamp Paper)
Undertaking for non-blacklisting

To,
The Municipal Commissioner,
Brihanmumbai Municipal Corporation,
Mahapalika Marg, Fort,
MUMBAI – 400 001.

Sub: Processing & Reuse of Immersed Ganpati Idols (PoP) waste material at
Mulund Dumping Ground

Due Date:

Sir,

I/We hereby declare and undertake that our company/firm has not been blacklisted, debarred, or banned by any Central Government, State Government, Municipal Corporation, Government Department, Public Sector Undertaking, or any other statutory authority in India. The information provided in this regard is true and correct to the best of our knowledge and belief.

With regards,

Yours sincerely

Quotationer' s Signature (Office Stamp)

Quotationer' s full address and

Tel. No. :-

Annexure- A



Plaster of Paris (PoP) Test Report



SHRADDHA ANALYTICAL SERVICES

304 - 305, 3rd Floor, Jhalawar Building, Patanwala Compound, Opp. Shreyas Talkies, LBS Marg, Ghatkopar (W), Mumbai - 400086.
Tel. No. : 022 4215 0502 / 2500 0386 / 2500 0186 Website : www.saslabindia.com
Mobile : 83568 62309 / 9892133834 E-mail : info@saslabindia.com
98212 91797 / 98210 75247 : saslab21@gmail.com

TEST REPORT

Report No. : S2601069

Date : 11/08/2026

M/s. Traceengineering Solutions Private Limited

3, Floor - 6, Plot 366/368, Diamond Mansion,
Dr. Veigas Street, Zaoba Wadi Road, Jhunjhunwala Cotspin Pvt Ltd.,
Kalbadevi, Mumbai - 400 002.

Kind. Attention : Mr. Shreedhar Pandya

Sample Name : POP

Received On : 10/08/2026

Reference : Letter Dated - 10/08/2026

Test : X-Ray Fluorescence

----- Test Result -----

Elements	Code	Formula	Mass (%)	Oxide Content (%)
Sulfur	S	SO ₃	20.987	52.400
Calcium	Ca	CaO	31.016	43.400
Aluminum	Al	Al ₂ O ₃	1.043	1.970
Silicon	Si	SiO ₂	0.804	1.720
Strontium	Sr	SrO	0.208	0.246
Iron	Fe	Fe ₂ O ₃	0.094	0.135
Chlorine	Cl	Cl	0.095	0.095
Tin	Sn	SnO ₂	0.015	0.019
Titanium	Ti	TiO ₂	0.010	0.017
Copper	Cu	CuO	0.012	0.014
Nickel	Ni	NiO	0.008	0.010
Antimony	Sb	Sb ₂ O ₃	0.002	0.002
Zirconium	Zr	ZrO ₂	0.001	0.002

Note : 1) Samples are not drawn by us & balance samples returned to the party.
2) Enclosed Report / Spectra shall not be used for Litigation or Publicity or Evidence.
3) Enclosed Report / Spectra is for your reference purpose only.
4) Samples accepted & analyzed as non pharmacopial / non drug - R&D Samples
5) Samples Analysis does not pertain to any of the pharmacopial or other specifications.
6) We are not approved by any of the Govt. Authorities/Export House & not responsible for any of the Export Consignments.

Authorized Signatory

(Dr. K. P. Merchant)

[An ISO 9001:2015 Certified]