



EXPRESSION OF INTEREST

FOR

**“Shortlisting of manufacturers/ authorized dealers/ suppliers/ distributors
of eco-friendly water based, bio-degradable & non-toxic natural dyes for idols”**

Website –portal.mcgm.gov.in/tenders

Due Date- 22.05.2025

Office of Chief Engineer (Environment & Climate Change),

3rd Floor, Worli Garage Building, Dr. E. Moses Road

Worli, Mumbai – 400018

Prepared by

Checked & approved by

Sd/-
A.E. (Env. & C.C.)

Sd/-
Ex. Eng. (Env. & C.C.)- I

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 Authority 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 sensor-based air pollutants (PM 2.5 & PM 10) measuring units/devices to finalize the shortlisted technology and its make & model. While complying with the directions of Hon’ble High Court of Bombay in Suo Moto petition No. 03 of 2023 pertaining to the air pollution in the Mumbai Metropolitan Region.

This EOI is not an agreement and is neither an offer nor invitation by the Brihanmumbai Municipal Corporation (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 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 an exhaustive on account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The BMC accepts no responsibility for the accuracy or otherwise for 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 or deemed to form part of this EOI or arising in any way by submitting the EOI for the subject work.

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, the Authority is bound to select an Applicant or to appoint the Selected Applicant, as the case may be, for the subject work and the Authority reserves the right to reject all or any of the Applicant 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 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 the BMC shall not be liable in any manner, whatsoever, for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the Application Process.

Notice Inviting Expression of Interest

Brihanmumbai Municipal Corporation (BMC) invites Expression of Interest (EOI) for “Shortlisting of manufacturers/ authorized dealers/ suppliers/ distributors of eco-friendly water based, bio-degradable & non-toxic natural dyes for idols”. The purpose of inviting this EOI is to facilitate the availability of eco-friendly dyes for murtikars of Ganesh Festival & Navratri Festival.

The response to the EOI is to be submitted in sealed envelopes at the following address on any working day during office hours on or before **16:00 hrs. on 22.05.2025.**

Office of Chief Engineer (Environment & Climate Change),

3rd Floor, Worli Garage Building, Dr. E. Moses Road

Worli, Mumbai – 400018

Email: che.envcc01@gmail.com (If any query)

The EOI document can be downloaded from the BMC portal **from 14.05.2025 at 16.00 Hrs.** onwards (https://portal.mcgm.gov.in/irj/portal/anonymous/qletenders_new).

Sd/-

Ex. Eng. (Env. & C.C.)-I

Schedule of Events

Sr. No.	Event	Date & Time	Venue
1.	Start date for downloading Expression of Interest (EoI) document	14.05.2025 at 16.00 Hrs.	Office of Chief Engineer (Environment & Climate Change), 3 rd Floor, Worli Garage Building, Dr. E. Moses Road Worli, Mumbai – 400018
2.	Last date for submission of EoI (Hard Copy)	22.05.2025 at 17.00 Hrs.	
3.	Date for opening of EoI	23.05.2025 at 16.00 Hrs.	

- 1) If any date specified herein is a holiday, then the next working day will be considered for the activity and the time will remain the same.
- 2) The Schedule indicated above is tentative and BMC may change any or the entire schedule by intimation.

Subject:- Shortlisting of manufacturers/ authorized dealers/ suppliers/ distributors of eco-friendly water based, bio-degradable & non-toxic natural dyes for idols

Project Background and Objectives

Ganesh Festival, Navratri Festival are the most celebrated festivals in the city of Mumbai. Every year about 3 Lakh households & about 10,000 sarvjanik mandals celebrate Ganesh Festival. The dyes used to color these idols may also contain harmful metals which are toxic & may harm water bodies.

Hon'ble Bombay High Court as PIL No. 96 of 2024 has directed ULBs to follow CPCB guidelines of idol immersion which includes use of eco-friendly water based, bio-degradable & non-toxic natural dyes for idols.

As per the revised CPCB guidelines for Idol Immersion, following are some of the important clauses for eco-friendly natural dyes for idols.

Clause 2.0 (iv),

“Use of toxic and non-biodegradable chemical dyes/oil paints for painting idols should be strictly prohibited. Enamel and synthetic dye-based paints on idols should be discouraged instead eco-friendly water-based, bio-degradable and non-toxic natural dyes should be used”.

Clause 2.0 (v),

“For beautification of idols, removable and washable decorative clothes made only with natural materials and dyes shall be used in place of disposable material containing paints and other toxic chemicals. Only naturally occurring colors from plants (flowers, barks, stamens, leaves, roots, seeds, whole fruits), feathers of different birds, mineral or colored rocks shall be used for coloring”.

Clause 3.0 (i),

“As far as possible, low height and eco-friendly idols (made with natural clay, idols stuffed with eco-friendly food materials such as corn, spinach, wheat and vegetable powder), idols decorated with biodegradable, organic colours such as turmeric, chandan and gerua etc., (list of natural, bio-degradable and non-toxic annexed as Annexure-I) only should be used for offering poojas to avoid impact on environment”.

Clause 4.0 (ii),

“While granting licenses or permits to the idol makers a list of permitted and non-permitted substances to be used for making/coloring/decorating idols may be provided to the Idol makers or craftsman or artisans”.

Clause 4.0 (xxii),

“The Pooja Organizing Committees/Local or Urban Bodies/ District Authorities be involved in organizing a public campaign on the ill effects of the toxic components of coloring materials, not only of the idols, but also other decorating materials used during the festive season, for immersing (visarjan) the idol or ‘pratima’ or tazias only in designated temporary artificial ponds or tanks. Specific leaflets and poster for mass awareness may be prepared in vernacular languages and displayed at salient points. Further, the Pooja committees/Local or Urban Bodies/ District Authorities also be persuaded to display such posters and distribute leaflets among worshippers involving Eco Clubs, NGOs, Education Institutes/Universities and Schools”.

Clause 4.0 (xxiii),

“Idol makers, pooja Committees may also be awarded for promotion of clay idols made with natural colors, consistent awareness for ensuring compliance to these rules. Imposing Spot fine for violation of these guidelines also be practiced by the Local and Urban Authorities”.

To comply with all the above clauses of CPCB guidelines, BMC is inviting EOI for shortlisting of manufacturers/ authorized dealers/ suppliers/ distributors of eco-friendly water based, bio-degradable & non-toxic natural dyes specifically for idols. The list of shortlisted manufacturers/ authorized dealers/ suppliers/ distributors of natural dyes for idols will be put in Public Domain for benefit of murtikars (idol makers).

Annexure-I

Major Types of Natural Dyes and Their Origin

Chemical class	Coloring matter	Origin	Color obtained
Vat dyes			
Indole	Indigotin	Woad, indigo	Blues
Quinone	Juglone	Walnut	Browns
Mordant dyes			
Anthraquinones	Alizarin	Madder roots	Reds, oranges, browns
	Pseudopurpurin	Madder roots	Reds, oranges, browns
	Munjeetin	Munjeet stems	Reds, browns, maroons
	Laccaic acids	Lac insects	Reds, purples, Maroons
Flavoid tannins	Catachin	Cutch	Browns, grays
Saffron, Flavone	Luteolin	Weld	Yellows, khaki
Flavonol	Quercetin	50% of all plants	Yellows, khaki
Anthocyanins	Cyanidin	Elderberries	Purples
Neoflavanoidones	Haematoxylin	Logwood	Violets, blacks
	Brazilin	Brazilwood	Reds, purples
Isoflavanoid	Pterocarpin	Sanderswood	Oranges
Direct dyes			
Cartinoid	Curcumin	Turmeric	Yellows
	Crocin	Saffron, gardenia	Yellows
Alkaloid	Berberine	Mahonia wood	Yellows
Orinol	Orcein	Orchil	Purples
Benzoquinone	Carthamine	Safflower	Pinks
Reactive dyes			
Depsides	Atranorin	Lichens	Fawns
Despidones	Salazinic acid	Lichens	Browns

Source:- Eco-friendly dyes and dyeing (<http://sciedtech.eu/journals/advmtenvsci/current-issue/>)

Eligibility Criteria

- Ecomark Certification – BIS
- Global Organic Textile Standard (GOTS) Certification
- OEKO – TEX Standard 100 Certification
- Any other equivalent international standard certification

Documents To Be Submitted

The participant shall submit the following documents:

- Registration document with Registrar of Companies (ROC) or as applicable.
- PAN Card of the participating firm.
- In case of authorized dealer, the authorized dealership letter from the paint manufacturer.

- Relevant documents/records in support of Experience of the participating firm in the field, client list etc.
- Audited Balance Sheets certified by ‘Chartered Accountant or turnover certificate issued by the Chartered Accountant for the last three financial years.
- Brochure, Technical Literature, NABL accredited lab report mentioning contents of the dye, non-toxic nature, Pamphlet of the natural dyes considered for participation
- Participating firm details.
- Appendix 1: Cover Letter
- Technical self-declaration demonstrating hoe their colour is water-based/ eco-friendly/ biodegradable/ non-toxic and complying to revised CPCB guidelines.

SUBMISSION DETAILS

Validity of EOI

The EOI shall be valid for a period of not less than 180 days from the EOI due date. BMC reserves the right to reject any EOI which does not meet the requirement.

Submission of EOI

The agencies fulfilling the eligibility criteria may submit their application in respect to this EOI as per proforma attached to this document (Appendix I) together with requisite documents up to 16:00 hrs. on __.05.2025 physically at the below mentioned address in a sealed envelope, clearly mentioning on the envelope:

**“Shortlisting of manufacturers/ authorized dealers/ suppliers/
distributors of eco-friendly water based, bio-degradable & non-toxic
natural dyes for idols”**

To:

Office of Chief Engineer (Environment & Climate Change),
3rd Floor, Worli Garage Building, Dr. E. Moses Road
Worli, Mumbai – 400018

From:

M/S.....

Contact No.:

Email ID:

Your sealed envelope shall contain:

Downloaded EOI documents, all pages signed
Cover Letter (Appendix-1)
Required Documents for this EOI

General Terms and Conditions

- If desired by BMC, the agency will also have to display their product to demonstrate the coloring test for which all the arrangement will have to be made by the applicant.
- Participating firms are solely responsible for timely delivery of the responses to the above-mentioned address and are solely responsible for delays in receipt. Responses not received on or before the last date and time of submission will not be considered. Postal delay shall not be entertained.
- The response to this EOI notice should be full and complete in all respects. BMC may summarily reject the incomplete or partial responses.
- The participating firm shall bear all costs associated with the preparation and submission of the EOI, including cost of presentation for the purposes of clarification of the response, if so desired by BMC.
- The EOI response shall be signed on each page by the authorized representative of the participating firm and a copy of the power of attorney of the authorized signatory to be attached.
- BMC reserves the rights to accept or reject any EOI without assigning any reason thereof.
- The decision of Municipal Commissioner of BMC will be final, in case of any dispute.

Appendix 1: Cover Letter

Date:

To,

Chief Engineer (Environment & Climate Change),
3rd Floor, Worli Garage Building, Dr. E. Moses Road
Worli, Mumbai – 400018

Subject: “Shortlisting of manufacturers/ authorized dealers/ suppliers/ distributors of eco-friendly water based, bio-degradable & non-toxic natural dyes for idols”

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 is correct & true to the best of my/ our knowledge.

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

Yours faithfully,

(Signature) 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: