



Expression of Interest (EoI) For

Sub:- “Design, manufacture, SITC of tender coconut processing plant along with comprehensive Operation and maintenance for the period of 7 years at P/North ward.”

Website – <https://portal.mcgm.gov.in>

Due Date - 24/07/2024 at 16:00 Hrs

Office of the

Deputy Chief Engineer (Solid Waste Management) Planning,

Fourth Floor, Municipal Khatav Market Building,

Opposite Avishkar Building, Khatavwadi, Sleater road,

Grant Road (W), Mumbai-400007

Phone:- 022-23877691/23844450

Email id:-ee1swm.pl@mcgm.gov.in

dycheswmplanning.swm@mcgm.gov.in

Prepared by

Checked by

Approved by

**Sd/-
S.E. (SWM) Pl.**

**Sd/-
A.E. (SWM) Pl.**

**Sd/-
E.E. (SWM) Pl.**

**Sd/-
Dy.Ch.E. (SWM) Pl.**

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1. NOTICE INVITING EXPRESSION OF INTEREST

BMC invites Expression of Interest (EOI) for “proposed tender coconut processing plant at P/North ward.”

The EOI is to be submitted in closed covers at the following address on any working day during office hours on or **before 16:00 hrs. On 24.07.2024.**

Deputy Chief Engineer (Solid Waste Management) Planning,

Fourth Floor, Municipal Khatav Market Building,
Opposite Avishkar Building, Khatavwadi, Sleater road,
Grant Road (W), Mumbai-400007
Phone:- 022-23877691/23844450
Email id:-ee1swm.pl@mcgm.gov.in
dycheswmpplanning.swm@mcgm.gov.in

EOI document can be downloaded from BMC’s Portal (<https://portal.mcgm.gov.in>) under “Tender” section **from 18.07.2024 at 11 AM** onwards. Other details can be seen in the EOI document.

The EoI shall be enclosed in lacquer sealed envelope addressed to the Municipal commissioner of BMC and super scribed EoI for the work of as above and delivered at the office of the Deputy Chief Engineer (SWM) Planning, 4th floor Khatav Wadi Market Building, Sleater Road, Grant Road (W), Mumbai-400 007 on 24.07.2024 not later than 4.00 p.m. EoI received after this hour and date shall be returned un-opened to the bidder. Telegraphic tenders will not be accepted under any circumstances. The EoI shall be opened on **25.07.2024 on 5:00 p.m.**

The BMC reserves the rights to accept any of the application or reject any or all the application received for above works, without assigning any reasons thereof. The information regarding above subject matter is available on Website of BMC. (<https://portal.mcgm.gov.in/tenders>).

Sd/-
Dy. Ch.E.(SWM)planning

2. Header Data

Sr. No.	Event	Date of Event
1	Subject	Design, manufacture, SITC of tender coconut processing plant along with comprehensive Operation and maintenance for the period of 7 years at P/North ward.”
3	Start date for submission expression of interest (EoI) document	18.07.2024 from 11:00 hrs
4	Last Date of Submission of EoI (hard Copy)	24.07.2024 up to 16:00 Hrs
5	Date of opening of EoI	25.07.2024 at 17:00 hrs
6	Cost of EoI	Rs. 300/- +18% GST
7	EoI Validity	180 days
8	Address for communication & Pre-EoI conference	Office of the Deputy Chief Engineer (Solid Waste Management) Planning, Fourth Floor, Municipal Khatav Market Building, Opposite Avishkar Building, Khatavwadi, Sleater Road, Grant Road (W), Mumbai-400007 Phone:- 022-23877691/23844450
9	Venue for opening of bid	Dy.Ch.Eng.(SWM) Pl.'s office

Note:-The Schedule indicated above is tentative and BMC may change any or the entire schedule under intimation to Suppliers.

Sd/-
Dy. Ch.E.(SWM)planning

3. INTRODUCTION

BMC is a pioneer urban local body in India. BMC is always ahead in giving the citizens of Mumbai top notch urban services to the fullest of their satisfaction.

Waste management is one of the most crucial problems in Mumbai City. Due to rapid increase in population, municipal solid waste management has become an important activity in urban localities. It is one of the obligatory responsibility of Municipal corporations to minimize solid waste and process it efficiently. As per SWM Rule 2016 clause (V) (a) & (b) and Swatch Bharat Abhiyan, it is necessary to avail the decentralized facility to process organic waste at source by ULBs. For achieving sustainable development within a Mumbai experiencing rapid population growth and improvements in living standards is made more difficult in Mumbai because it is diverse city. According to census 2011 Mumbai city has population around 1.41 Cr. BMC has generating 6600 MT per day waste and this waste was increasing continuously day by day.

Various BMC and contractual vehicle services are being utilised in management of dry waste, wet waste and debris etc. The generation of waste poses a severe threat to public health and cleanliness. Improper management of waste may also lead to environmental pollution, contamination of water bodies, various health issues. Hence, it is necessary to process the waste by installing decentralised waste processing plants at various locations in Mumbai.

Currently, the city produces nearly 70 to 80 MT of coconut waste daily which is collected by BMC and disposed of at the dumping ground and it takes many years to decompose. The need to prevent slow degrading coconut husk from entering the landfill site. Currently, there is no scientific way to dispose the tender coconut waste presently at dumping ground. The opportunity of reuse & commercial exploitation on of coconut shell is also lost in the present system.

It is feasible to commission tender coconut processing technology which is odourless and efficient. The state like Kerala, Tamilnadu runs their economy on coconut waste. Coconut shell converted into cock peat and fiber (Line Coir) etc., thus help in reduction of garbage load into dumping ground and help in utilizing processed waste for reuse. It is necessary to reduce the load of coconut waste to dumping ground. Therefore there is need to appoint separate agency for processing these waste in scientific manner.

For more information, refer BMC's website
Website: <https://portal.mcgm.gov.in>.

The benefits of installation of decentralized tender coconut processing plants to BMC are as below.

1. The cost towards transportation of waste to dumping ground is saving.
2. It is eco-friendly.
3. Non-polluting
4. Reduce landfills
5. To minimise the traffic
6. Reduce green house gases
7. Avoid fire in dumping ground
8. Multiple products are created with the help of coconut waste like organic liquid, cocopeat, pellets, coir, coco fibre etc.

Basic Project requirement:-

1. Approximately 5000 sq. feet of land is available for installation of plants.
2. The processing plants should be able to process the tender coconut waste.
3. The bidder has to SITC of plants on the land of approx. 5000 sq. Feet.
4. The bidder has to convert coconut waste into multiple useful products like organic liquid, coco peat, pellets, coir, coco fibre etc.
5. The plant is environmental friendly.
6. The plant is set up as per MPCB/CPCB norms or any Govt. applicable norms.
7. The technology provided shall be approved or implemented by IIT/BARC or any other reputed Govt. Institution/ULB/Public sector.
8. All the relevant certificates and clearances from the statutory authorities shall be obtained by applicant itself.

Through this Expression of Interest (EoI), BMC seeks responses from interested bidders.

4. INSTRUCTION TO INTERESTED PARTIES

1. Scope of Interested Party shall be limited to response and suggestions to this EOI only.
2. The EoI form will be collected from Office of Chief Engineer (SWM) on payment of **EoI fee Rs.300/- + 18% GST**. If such fee is not paid, the EoI shall be treated as non-responsive and shall not be opened.
3. EOI documents dully filled must submitted in a sealed envelope before due date.
4. The EoI, which is not duly signed at specified places, will be rejected.
5. Bidders shall invariably state the names and address (Office as well as Residential) of all the partners, Name of the Bank, Branch and Account No. in the EOI form.
6. The EOI shall be valid for a period of **180 days**.
7. Scope of work, Deliverables, Timelines, Terms and Conditions, Eligibility/Qualification criteria, NDA defined in this EOI will be applicable for compliance for prospective bidders **at the time of next bidding process**. However, in response to EOI, Interested Party may suggest improvement wherever necessary.
8. Interested parties may submit their response with a Letter of Intent (LOI), detailed concept note/approach paper to address scope of work physically **at 4.00 P.M. on or before 24.07.2024** to below mentioned recipient:

**Dy. Ch.Eng. (SWM) Planning,
Office of Dy.Ch.Eng. (SWM) Planning
4th floor, Khatav Market Bldg.,
Grant Road (W), Mumbai – 400007
Phone - 022-23877691/23844450
Email id:-ee1swm.pl@mcgm.gov.in/
dycheswmpplanning.swm@mcgm.gov.in**

The interested parties shall submit their response in a sealed envelope to above address. The envelope shall mention the full subject of this EoI also mention the details about the applicant.

9. The details submitted by the Interested Party shall be complete in all respects and BMC may seek clarifications/additional information as considered necessary. Such clarifications/ additional information must be provided within 3 days of BMC's request.

10. The Interested Parties may be called for interaction and presenting their proposal, if required. Further award of work shall be through the next bidding process as per BMC's normal procedure. The criteria of selection will be detailed later in the next stage of bidding.
11. Duly authorized representative(s) of the Interested Party shall sign on each page of the document and send document over e-mail to above mentioned recipient. Response to EOI should be prepared in such a way so as to provide a straight forward, detailing proposal for scope of work and concise description on Interested Party's organization and manpower capabilities.
12. Notwithstanding anything contained in this EOI, BMC reserves the right to accept or reject any proposal and to annul the EOI Process in whole or part, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.
13. BMC reserves the right to verify all statements, information and documents submitted by the interested party in response to the EOI. Any such verification or lack of such verification by BMC shall not relieve the Interested Party of his obligations or liabilities hereunder nor will it affect any rights of BMC.
14. The EOI process shall be governed by, and construed in accordance with, the laws of India and the Courts at Mumbai shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the EOI process.

4.1 Interested Parties should provide following details:

1. Detail concept note and approach paper to address scope of work, technical and functional specification of the proposed solution along with project milestone timeline chart, manpower resources required, revenue model of that project etc.
2. Details as per format for Expression of Interest in **Annexure – I&II.**

5. PROJECT OBJECTIVE

Waste management is one of the most crucial problems in Mumbai City. Due to rapid increase in population, municipal solid waste management has become an important activity in urban localities. It is one of the obligatory responsibilities of Municipal corporations to minimize solid waste and process it efficiently. As per SWM Rule 2016 clause (V) (a) & (b) and Swatch Bharat Abhiyan, it is necessary to avail the decentralized facility to process organic waste at source by ULBs. For achieving sustainable development within a Mumbai experiencing rapid population growth and improvements in living standards is made more difficult in Mumbai because it is diverse city. According to census 2011 Mumbai city has population around 1.41 Cr. BMC has generating 6600 MT per day waste and this waste was increasing continuously day by day.

Basic Project requirement:-

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3. The bidder has to SITC of plants on the land of approx. 5000 sq. Feet.
4. The bidder has to convert coconut waste into multiple useful products like organic liquid, coco peat, pellets, coir, coco fibre etc.
5. The plant is environmental friendly.
6. The plant is set up as per MPCB/CPCB norms or any Govt. applicable norms.
7. The technology provided shall be approved or implemented by IIT/BARC or any other reputed Govt. Institution/ULB/Public sector.

As response to the above mentions aspects of the work the applicants of this EoI are required to submit their proposal based on our requirements.

6 BROAD SCOPE OF WORK

The scope of the work for approximate 5000 sq. Feet land parcel for the period of 7 years for tender coconut processing plant will be broadly include the following;

1. Design, manufacture, Supply, installation, testing, commissioning, finance, operation and maintenance details.
2. The bidder shall give Design, manufacture, Supply, installation, testing, commissioning of tender coconut processing plant of capacity 50 MT free of cost.
3. The project shall be complying with all the Govt. Rules and laws and SWM Rules 2016.
4. Proven technology shall be designed and developed to meet defined output including obtaining all necessary permits and statutory clearances.
5. BMC intends to establish proposed plant of coconut processing capacity of 50 TPD.
6. Successful bidder will be responsible for the collection and transportation of the coconut waste from the designated wards.
7. Successful bidder will be responsible for establishing the weighbridge at the processing site which is to be linked/ integrated with WMS and IoT system.
8. BMC has constrained about land parcel.
9. The land for this project will be made available to PPP concessionaire on the basis of 'License to Use' to develop tender coconut processing plant project.
10. The green belt area development would be in bidder's scope.
11. The proposed project would be based on 'Open Technology' i.e. bidder may recommend any proven technology or combination of technologies requiring minimum footprint area, minimum implementation period, minimum processing period and time generating minimum process residues so as to minimize the burden on landfill and achieving goal of zero waste to landfill.
12. Bidder shall undertake development of project including site grading, internal roads, utilities, necessary pipeline works, greenbelt landscape etc, including necessary designs, engineering, obtaining all necessary permits and statutory clearances, construction and maintenance of the above components.
13. Bidder has to give detail concept note and approach paper to address scope of work, technical and functional specification of the proposed solution along with project milestone timeline chart, manpower resources required and hardware sizing of solution, revenue model of that project etc.

14. The interested parties shall visit physically on site at P/north ward. The details of land parcel, sites details will be given by AE(SWM) P/north ward.
15. BMC will be responsible for providing the land and electric/Drainage and water connection at the site. Electricity/Water bill generated as per the consumption will be responsibility of the successful bidder.
16. The bidder shall be responsible for collection, transportation, SITC of tender coconut processing plant along with comprehensive maintenance for the period of 7 years. BMC may reserve the right to extend the contract further by taking approval of competent authority.

The applicant's responses in terms of their proposal and their proposal and their presentation will be subjected to a marking system by a committee of BMC under the chairmanship of DMC (SWM) as mentioned below to evaluate the presentation of the bidders.

- a) DMC(SWM)-Chairman
- b) Ch.E.(SWM)- Member
- c) Dy.Ch.E.(SWM)Planning- Member
- d) Dy.Ch.E.(SWM)Operation- Member
- e) AE(SWM)P/South Ward- Member
- f) E&Y consultant

BMC wants the proposed project to be constructed in all respects within 6 months as per the time-line indicated below.

- I. Mobilization and obtaining Statutory clearances- 3 Months
- II. Design, construction and commissioning of proposed project – 3 months

Rights of the BMC:-

1. Decision of BMC regarding interpretation of the Terms and Conditions of the Agreement shall be final and binding on the Agency.
2. In case of any dispute between the Agency and BMC, the BMC shall have the right to decide.
3. The BMC has the absolute right to terminate the contract at any time before the due date of expiry without assigning any reason by giving one month notice in advance to the Agency in writing or by making equivalent payment thereof.
4. In case of any difference of opinion or dispute arising between the parties, regarding depreciation or implementation of any of the terms and conditions of the Contract / Agreement, then the same shall be referred to the competent authority of BMC whose decision shall be final and binding upon both the parties. However, all matters of jurisdiction shall be at the local courts located at Mumbai.

5. In case of breach of any of the terms of agreement, the performance security deposit of the Agency shall be liable to be forfeited by the BMC. In addition, the Contract / Agreement will also be liable to be terminated. Any sum of money due or payable to the BMC including the security deposit refundable to him / her under the contract can be appropriated by BMC against any amount which the Agency may owe to BMC.
9. As per data received from A to T ward nearly 70 to 80 MT of coconut waste daily collected by BMC and disposed of at the dumping ground. The generation of coconut waste is increasing day by day. Hence, it is necessary to set up decentralised tender coconut shell processing plant at various locations in Mumbai.
- 1. If BMC desires to install the same type of decentralized coconut waste processing plant at different wards/Zone in case the waste generation of coconut is increased, it is mandatory on the contractor to install and operate the coconut waste processing plant at the same rate and terms and conditions of the EoI.**

7. SELECTION PROCESS

- The applicants who are fulfilling the qualification criteria as mentioned in Annexure - I will be asked to give presentation in front of the committee of BMC Officers.
- The applicant's performance will be ranked by means of marking system based on their submissions and presentation.
- The applicants who have scored 70 and above marks as per the evaluation criteria for the next bidding process. The qualified bidder has to quote per KG rate for processing of tender coconut waste in next financial bid.
- The lowest responsive applicant in the bidding process will be awarded the work.

The qualification criteria proposed for this EoI is as mentioned below.

Eligibility Criteria
The bidder should have positive net worth more than Rs.1Cr for last three financial years.
The Bidder should have PAN and GST registration No.
The bidder shall have their well established office within the MMR region. In case the bidder doesn't have an office he shall give an undertaking on Rs.500/- stamp paper that he shall set up an office within MMR
The bidder should not be currently blacklisted/banned for business dealing by any Govt. authority/ department/ or by BMC.
The bidder must have at least one single work order for SITC of tender coconut processing plant in preceding 7 years from the date of EOI period.
The bidder must have at least one single work order for Operation and maintenance of tender coconut processing plant in preceding 7 years from the date of EOI period.

The marking system for the evaluation of the applicant's submission and presentation is as mentioned below.

Sr.No.	Aspects	Criteria	Weight age marks
A) Past experience of Firm			
1	Experience of working with Municipal Corporations in India.	1) Engagement with BMC in the last 7 years- 7 Marks 2) Engagement with Other Municipal Corporation- 3 Marks	10
2	Past experience of the agency for the work of SITC of tender coconut processing plant in BMC /Semi Govt. /Govt. & Public Sector Organizations during last seven (7) year.	Past experience of the agency for the work of SITC of tender coconut processing plant in BMC /Semi Govt. /Govt. & Public Sector Organizations during last seven (7) year.	20
3	Past experience of the agency for the work of Operation and	Past experience of the agency for the work of Operation and	20

	maintenance of tender coconut processing plant in BMC /Semi Govt. /Govt. & Public Sector Organizations during last seven (7) year.	maintenance of tender coconut processing plant in BMC /Semi Govt. /Govt. & Public Sector Organizations during last seven (7) year.	
4	Past experience of the agency for the daily processing of tender coconut waste of above 5 MT per day.	Past experience of the agency for the daily processing of tender coconut waste of above 5 MT per day.	10
5	The Bidder should have an annual turnover of at least Rs.1 Crs in any one of the preceding three F.Y.s. (2021-22, 2022-23 & 2023-24)	The Bidder should have an annual turnover of at least Rs.1 Crs in any one of the preceding three F.Y.s. (2021-22, 2022-23 & 2023-24)	5
6	Coir board of India certificate	Coir board of India certificate	5
B) Presentation and proposal			
7	Presentation & Methodology	Methodology & Deployment Plan	5
8		Organizational Structure, Escalation Matrix, Monitoring	5
9		Technical knowledge, technology feasibility for BMC and accuracy of the presentation	15
10		IOP (Initial Implementation & Operational Plan)	5
Grand Total			100

Annexure-I

Format for Expression of Interest

1 Organization Details

Name of the organization	
Type of Organization (Pvt/ Public /Partnership/ LLP etc.)	
Date of Incorporation	
Address of Corporate / Head / Registered Office	
Phone Number of Registered office	
Website	

2 Contact Person for the Applicant

Name:	Designation:
Address:	Email:
Telephone Office:	Mobile No.:

3 Financial credentials of the Interested Party

Financial Year	Annual Turnover (Rs.Crores)	Net Profit (Rs.Crores)
2021-22		
2022-23		
2023-24		

4 Manpower requirements:

Interested Party may suggest best approach with cost optimization for manpower at the time of SITC and O&M are as mentioned below:

a. Manpower requirement for SITC and O&M:

- i. Plant Head (Interested Parties may provide required experience) – 1 no.
- ii. Interested Parties may provide required number and experience) with domain expertise

b. Manpower for post implementation support:

- i. Interested Parties may provide required number and experience) with domain expertise through out the contract period.

Annexure 'II'

Information regarding status of Quotationer

- 1) (A) Whether it is proprietary concern? : Yes / No
- (B) If so, name of the owner? :
- (C) E-Mail id-
- 2) If it is partnership concern, please furnish name of each partner and :
copy of registration certificate.
- 3) In case of company, please furnish :
documentary proof to show that the
company is registered.

Signature of authorized person
of concern / company

**Trading under the name
and style of**

8 Bill of Quantity.

BMC will invite the financial bid of the only qualified bidders who have secured 70 and above Marks as per the evaluation criteria for the next bidding process. The bidder has to quote per Kg rate of tender coconut waste in next financial bid.

Description of work	Cost in Rs.
Design, manufacture, Supply, installation, testing, commissioning of tender coconut processing plant of capacity 50 MT. Total approximate cost of project with above mentioned scope: (Give break up of individual items wherever possible)	The bidder shall give Design, manufacture, Supply, installation, testing, commissioning of tender coconut processing plant of capacity 50 MT free of cost.
Collection, transportation and comprehensive operation and maintenance cost of plant of capacity 50 MT. The bidder has to quote per Kg rate of tender coconut waste in next financial bid.	XXXX
The bidder has to quote rebate for per Kg rate of tender coconut waste in next financial bid.	XXXX

1. The bidder shall give the financial offer in a next bidding process.
2. **The bidder has to quote per Kg rate of tender coconut waste in next financial bid.**
3. **The bidder has to quote rebate for per Kg rate of tender coconut waste in next financial bid.**
4. **If the generation of coconut waste is increased/decreased, it is mandatory on the contractor to process the same. The payment will be made based on the weight basis.**
5. Total approximate cost of project with above mentioned scope with detailed breakup of individual item shall be submitted in next bidding process.

I hereby declare that the details furnished in response to this EOI are true and correct to the best of my knowledge and belief. In case any of the above information is found to be false, I am aware that I may be held liable for it.

Place: Name &
Signature: Date:
Designation:
Company Seal