



**नवी मुंबई
महानगरपालिका**

**Navi Mumbai
Municipal Corporation**

प्लॉट नं 1 व 2, गोवर्धनी चौक, सेक्टर 15ए,
सी.बी.डी., बेलापूर, नवी मुंबई 400 614
दुरध्वनी क्र : 2756 7001
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Navi Mumbai – 400 614
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NMMC/SWM/ 445 /2021.

Dated: 22 / 04 /2021.

Name of Work - **Invitation of Expression of Interest (EOI)
cum Quotation Notice for Collection and
Transportation vehicles and equipment of
Municipal Solid Waste in Navi Mumbai
Municipal Corporation**

कोटेशन नोटीस –NMMC/SWM/ 01 /2021-22

नवी मुंबई महानगरपालिकेच्या घनकचरा व्यवस्थापन विभागांतर्गत मनपाचे "Invitation of Expression of Interest (EOI) cum Quotation Notice for Collection and Transportation vehicles and equipment of Municipal Solid Waste in Navi Mumbai Municipal Corporation "करणेचे कामासाठी खालील नमूद तपशिल प्रमाणे अंदाजपत्रकीय दर निश्चित करणेसाठी (Estimate Cost)प्रकाशित करणे कामी अशा प्रकारचे काम करणाऱ्या एजन्सी/ठेकेदार यांचेकडून **दि.23/04/2021 ते दि/07/05/2021** चे कालावधी e - कोटेशनव्दारे सीलबंद दरपत्रक / कोटेशन मागविणेत येत आहे.

Navi Mumbai Municipal Corporation invites EXPRESSION OF INTEREST (EOI) cum E-Quotations from Original Equipment Manufacturers (OEM)/ Dealers/ Authorized Representative of OEM for upgradation of collection & transportation system of Municipal Solid Waste (MSW) in NMMC jurisdiction area.

All interested OEM/firms/agencies are requested to submit their quotations rates along with the Detailed Technical Specifications by email to dmc_swm@nmmconline.com on or before **07 /05 /2021** up to 3.00 pm.

The details of equipment requirements, Terms and Conditions are available on NMMC website <https://www.nmmc.gov.in>. For any queries/ clarifications email to dmc_swm@nmmcconline.com

Date & Time of opening of EoI cum Quotations: 07 / 05 /2021, 03.00 PM.

Project Brief

The “Swachh Bharat Mission-Urban” (SBM-U) is a major initiative of Government of India with a vision of a ‘Clean India’ by 2019. To achieve the objectives of the Swachh Bharat Mission, Government of Maharashtra has launched “Swachh Maharashtra Mission” at the state level. Swachh Maharashtra Mission will be the nodal agency in urban areas for implementing the overall goals of SBM. Under “Swachh Maharashtra Mission” The Government of Maharashtra proposes to strengthen the entire MSWM system in all the Urban Local Bodies (ULBs) in Maharashtra so as to comply with the Solid Waste Management Rules 2016, Service Level Benchmarks of the Government of India (GoI) & achieve the objectives of Swachh Bharat Mission (SBM) by 2019.

The city of Navi Mumbai in the State of Maharashtra is the key city in “Swachh Maharashtra Mission. Navi Mumbai Municipal Corporation (NMMC) has been constituted in the year 1991 under the Maharashtra Municipal amendment Act, 2011 describe as an urban local body constituted to provide municipal services for Navi Mumbai city. Total area, Navi Mumbai Municipal Corporation is about 108.64 sq. kms, consisting of 111 prabhags under 8 administrative wards. Population of NMMC as per 2011 census was 11 lacs an in 2018-19 it is around 16 lacs.

The Solid Waste Management rules, 2016 require scientific Collection and Transportation of entire Solid Waste generated in the city. The approximate quantity of Municipal Solid Waste generated in NMMC is about 844 Metric Tonnes per Day (TPD).

Key Details about NMMC

| Sr No | Particular | Detail |
|-------|--|--------------|
| 1 | Total NMMC Area | 108.63 Sq.Km |
| 2 | Population Present, as per 2011 census | 11,20,547 |
| 3 | As per Current Estimates 2019 | 15,52,980 |
| 4 | Zones for SWM | 9 |
| 5 | Road Length | 438.95 Km |
| 6 | Side Lanes | 47.24 Km |

| Sr No | Particular | Detail |
|--------------|-----------------------|----------------------|
| 7 | Households Registered | 229620 |
| 8 | Commercial Properties | 51665 |
| 9 | MSW Generation TPD | 844.00 TPD [2019-20] |

The existing C&T system of NMMC is designed and implemented in year 2013-14. The vehicles used for the C&T are old and running on outdated technology. Since, the vehicles are old and running on old technology, NMMC proposed to replace all the existing vehicles and setup a new upgradation plan for 100% daily collection of waste from the entire city including slum areas.

To begin with, NMMC intends to upgrade Collection and Transportation system using suitable vehicles, equipments and combination of various technologies to collect, record and transport Municipal Solid Waste.

1) The scope of work for EOI is as follows:

a. Vehicles proposed for the project

- Suitability of vehicles for Collection and Transportation of about 1000 Tons Per Day Municipal Solid Waste
- Capital Cost of Vehicles for Collection and Transportation
- Yearly Operation and Maintenance Cost of Vehicles
- Electrical, Hybrid and other Environment friendly vehicles and equipments are encouraged.
- Vehicles should be in line with CPHEEO guidelines, Swacch Bharat Mission – Urban Guidelines and National Clean Air program guidelines and targets etc.

2) Reputed OEMs/ Dealers/ Authorized Representatives of OEM to submit their Expression of Interest via envelope and submit e-Quotations on NMMC Website mentioned above.

3) Interested entities will need to include the supporting documents and details provided under Annexure 1 to 4 along with their Expression of Interest (EOI) submissions. Applications for EOI must be clearly marked as

“Expression of Interest (EOI) Cum E-Quotations from entities (companies, firms, etc., having a legal status) for Municipal Solid Waste Collection And Transportation In Navi Mumbai”

And to be submitted along with relevant documents not later than 3:00 PM (IST) on **07/05/2021** by registered e-mail to the address given below:
dmc_swm@nmmconline.com

4) E-Quotations should be submitted online only.

5) It is clarified here that the purpose of this EOI Cum Quotation Notice is to know available technologies and to know the prospective bidders and estimate costs. Please note that no applicant will be awarded any work or shortlisted for RFP based on this EOI Cum Quotation Notice. NMMC reserves the right to accept or reject any/all of the EOI submissions by the entities. The EOI Cum Quotation Notice document does not constitute any binding offer or an agreement by NMMC. The EOI document may be withdrawn or cancelled by the Commissioner, NMMC Cum Quotation Notice at any point of time during the process, without assigning any reasons thereof.

6) Neither the Municipal Commissioner, NMMC nor its employees, consultants, advisors accept any liability or responsibility for the accuracy or completeness of, nor make any representation or warranty, express, or implied, with respect to the information contained in the EOI Cum Quotation Notice, or on which the EOI is based. Nothing in the EOI Cum Quotation Notice should be relied on, as a promise or representation as to the future.

7) The Applicant shall bear all its costs associated with or relating to the preparation and submission of the EOI Cum Quotation Notice including but not limited to preparation, copying, postage, delivery fees, expenses associated

with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its EOI.

8) The Proposed Technologies should also comply with the following requirements:-

- (a) It should be proven robust technology; suitably adaptable to local tropical conditions viz humidity, monsoon, etc., for collection & transportation of MSW.
- (b) It should be implemented in eco-friendly, aesthetic manner.
- (c) It should be scalable in module.

9) NMMC intends to take up collection and transportation of about 1000 Tons per Day. It is necessary to identify such technologies which not only comply with environment laws and are legally acceptable but also reduce carbon emissions. The entity can also suggest ideal vehicle size for each component mentioned in the Quotation Notice.

10) The interested entities should apply with following details & relevant supporting documents:-

- i) Annexure 1: Details of the entity.
- ii) Annexure 2 : Detailed List of Vehicles proposed
- iii) Annexure 3 : Detailed Specifications of Vehicles Proposed
- iv) Any other related information.

11) The applicants will be required to make presentation of the technology proposed before the NMMC Officials at a suitable date and time which will be communicated to them.

12) The EOI Cum Quotation Notice document can also be downloaded, free of cost from the official website of the NMMC <https://www.nmmc.gov.in>

13) For more information the bidders can contact the Executive Engineer & Deputy Municipal Commissioner (in-charge) at 022-27567250 during the working hours on all working days.

14) Applicants to submit the budgetary rates for below Vehicles complete and functional in all respects and not limited to the essential units and their capacities as mentioned in the table with detailed specifications. Accessories and parts should be equivalent to IS quality standards with detailed specification of each accessories and parts to be mentioned by the supplier.

| SR NO | DESCRIPTION | Rate Per Unit | Quantity | Capital Cost (IN INR) | O&M Cost per Year (IN INR) |
|----------|--|---------------|----------|-----------------------|----------------------------|
| A | Primary Collection & Transportation Vehicles | | | | |
| 1 | Electrical Hand Carts of Capacity 500 litres. | | 98 | | |
| 2 | Electrical Light Commercial Vehicle having compartments for collecting Dry & Wet Waste. | | 65 | | |
| 3 | Hazardous Waste Collection Vehicles of 3.00 Cu.m Capacity. | | 2 | | |
| 4 | Waste Collection Vehicles from Saloon of 3.00 Cu. M Capacity Hydraulically operated tipping Floor. | | 2 | | |
| 5 | Organic waste collection vehicle of 5 Cu.m Capacity with facility of weighing, in-transit segregation & shredding and storage tank for the paste of leaf proof material and equipped with Radio Frequency Identification (RFID) and Vehicle Tracking System (VTS). | | 8 | | |
| 6 | Stationary Compactor provided with a receiving hopper, Rail Mounted Container Change over system for placing empty container and shifting loaded container when detached from Stationary Compactor with adequate technical considerations for the following- Charge Box Capacity- Clear Top Opening- | | 30 | | |

| SR NO | DESCRIPTION | Rate Per Unit | Quantity | Capital Cost (IN INR) | O&M Cost per Year (IN INR) |
|----------|---|---------------|----------|-----------------------|----------------------------|
| | Cycle Time- Total Force (Normal & Maximum)- Total Face Pressure (Normal & Maximum)- Operating Pressure (Normal & Maximum)- Ram Penetration- Motor Size- Cylinder Bore Size, Cylinder Rod Size and Stroke- Construction of the Floor, Sides, Breaker Bar, Ram Face, Ram Top, Sides and Bottom – Structural Steel | | | | |
| B | Secondary Collection & Transportation Vehicles | | | | |
| 7 | Electrical Refuse Compactor / Truck of 10-11Cu.M container capacity with 40-60 split for collecting Dry & Wet segregated Waste with suitable Compaction capability of 800 to 900kg/m3 to compress garbage or solid waste equipped with Radio Frequency Identification (RFID) and Vehicle Tracking System (VTS). | | 35 | | |
| 8 | Electrical Refuse Compactor / Truck of 16.00 Cu. M container capacity with 40-60 split for collecting Dry & Wet segregated Waste with suitable Compaction capability of 800 to 900kg/m3 to compress garbage or solid waste. Equipped with Radio Frequency Identification (RFID) and Vehicle Tracking System (VTS). | | 38 | | |
| 9 | Electrical Hook loader for lifting and emptying Roll-on Roll-off skip containers of 500 Litres into stationary compactors and equipped with Radio Frequency Identification (RFID) and Vehicle Tracking System (VTS). | | 6 | | |
| 10 | Development of a system of 0.6 M diameter pneumatic / gravity Refuse Chute for collection of waste from slum area. It should connect to all slum areas in | Per RMT | | | |

| SR NO | DESCRIPTION | Rate Per Unit | Quantity | Capital Cost (IN INR) | O&M Cost per Year (IN INR) |
|-------|--|---------------|----------|-----------------------|----------------------------|
| | mountainous terrain to a Collection facility in nearby vicinity including supply, installation etc. The inner surface of the chute should be finished as smooth as possible (non-sticky) | | | | |
| 11 | O&M Cost of the pneumatic / gravity tubes excluding electricity | Per month | | | |

अटी व शर्ती

- इच्छुक ठेकेदारांनी/पुरवठादारांनी नमूद केलेल्या कामाचे सविस्तर Specification सह सिलबंद कोटेशन मा.कार्यकारी अभियंता, घनकचरा व्यवस्थापन यांचे दि.23/05/2021 ते दि. 07/05/2021पर्यंत 03.000 वा. घनकचरा व्यवस्थापन विभाग मुख्य कार्यालय, नवी मुंबई महानगरपालिका, सी.बी.डी., बेलापूर 14 येथे सादर करावेत अथवा इच्छुक ठेकेदारांनी/पुरवठादारांनी नमूद केलेल्या कामाचे सविस्तर Specification dmc_swm@nmmconline.com या ई-मेलवर ई-मेल करावा.
- साहित्याचे दर सर्व करासहित (उदा.सेवा,व्हॅट,इ.) देणेत यावेत व त्यामध्ये GST वेगळा नमूद करावा.
- सिलबंद कोटेशन पाकिटावर कोटेशन नोटीस क्र. कामाचे नांव, तसेच फर्म / कंपनीच्या नांवाचा स्पष्ट उल्लेख करावा.
- अटीयुक्त, उशिरा आलेल्या व अपूर्ण कोटेशनचा विचार केला जाणार नाही.
- ठेकेदारास/एजन्सीस//पुरवठादारास त्याची फर्म अस्तित्वात असलेबाबतचा पुरावा मागणीअंती सादर करावा लागेल.
- सदरची कोटेशन नोटीस दिनांक 23/04/2021 पासून दिनांक 07/05/2021 पर्यंत www.nmmc.gov.in या वेबसाईटवर पाहणेस उपलब्ध आहे.

उपआयुक्त (swm)

नवी मुंबई महानगरपालिका

ANNEXURE 1

DETAILS OF THE ENTITY

Please provide details of the entity which is submitting an Expression of Interest for the project

| | | |
|-----|---|---|
| 1 | Name of the Entity | |
| 2 | Legal Status of the firm | 1) Public Limited Company 2) Private Limited Company 3) Sole Proprietorship Company 4) Others (Please Mention) |
| 3 | Country of Incorporation | |
| 4 | Date of Establishment of the Entity in MMY format | |
| 5 | Principal place of Business | |
| 6 | Presence in India (Y/N) | |
| 7 | Contact Details of Designated Representative | |
| (a) | Name | |

| | | |
|-----|--------------|--|
| (b) | Designation | |
| (c) | Address | |
| (d) | Phone Number | |
| (e) | Fax Number | |
| (f) | E-mail ID | |

ANNEXURE 2

LIST OF VEHICLES PROPOSED

(To be filled by the Entity)

ANNEXURE 3

DETAILED SPECIFICATIONS OF VEHICLES PROPOSED

(To be filled by the Entity)