



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY  
(Government of Maharashtra Undertaking)  
Bandra-Kurla Complex, Bandra (East), Mumbai – 400051 (India)

**Invitation of Expression of Interest (EOI) for appointment of Consultant for framing a Policy and Rules for Disposal of Debris/Silt in Mumbai Metropolitan Region (MMR), Maharashtra**

Mumbai Metropolitan Region Development Authority (MMRDA) is an Apex Agency for infrastructure Planning and Development for Mumbai Metropolitan Region (MMR), which comprises of 8 Municipal Corporations (including Greater Mumbai) and 9 Municipal Councils having the total area of 4355 sq.kms. with an estimated population Approx. of 20.86 million (as in 2008).

**2.** MMRDA as Regional Planning and Development Authority has undertaken wide spectrum of projects including Metro and Mono Rails corridors, important elevated road links, development of regional roads, fly-overs, Rail over bridges (ROB), Skywalks, Rental Housing, Public Sanitation, Multi Modal corridor, Regional Water Supply Project and Regional Solid Waste Management Project. Besides to this, a 22 Km. “The Mumbai Trans Harbour Link project” will be implemented by MMRDA.

**3.** There are lot of developmental works undertaken by Government and Private agencies in Mumbai city and adjoining Corporations/Council areas. Due to large number of activities undertaken, large quantum of Construction and Demolition waste is generated. Due to acute shortage of lands in the urban areas, the Urban Local Bodies are facing constraints in disposal of C & D waste.

The private agencies also undertake lot of developmental works of re-construction, re-development and construction of commercial and housing complexes. The private agencies contribute large amount of C &D waste and due to non-availability of suitable lands for disposal, even after consuming useful materials by these generators, the unused materials are deposited in low-lying areas within Greater Mumbai area or outside Mumbai. Sometimes because of non-availability of suitable lands, unauthorized dumping of C&D waste on the mangroves in certain areas cannot be ruled out causing environmental problems.

Further, due to pre-monsoon activities of cleaning of water entrances, Storm Water Drains and Nallas, large amount of de-silted materials are generated and day-by-day the Urban Local Bodies (ULBs) and the Government agencies involved for this work are facing problem in disposal of large quantum of silt due to non-availability of suitable lands for disposal.

**4.** In order to formulate the Policy and Rules for the region, the Govt. of Maharashtra has taken initiative and appointed a “Technical Committee”

under the Chairmanship of Hon. Metropolitan Commissioner, MMRDA with Commissioners of Municipal Corporations, Divisional Commissioner, Collectors of the region as the members of the Committee vide Resolution under no. Gen/2012/case no.143/UD-20 dated 11<sup>th</sup> Sept. 2012. The Committee shall recommend to the State Govt. about the various remedies for disposal of Debris in the region including possibility of setting up common processing/ re-cycling facility and examining the possibility of disposal of debris in the abandoned quarry lands.

The preliminary assessment study conducted in 2010 revealed that the waste generation during construction ranges between 40-60 kg. per sq.mtr. of Ground Floor Area. The highest contribution to waste generation is due to demolition of buildings. Demolition of pucca and semi-pucca buildings on an average generates 300-500 kg/sq.mtr. of the structure respectively. The waste is generated at different stages of construction and/or demolition process and keeping the commercial interest, every contractor tries to utilize the materials to the maximum possible extent.

**5.** MMRDA hereby invites Expression of Interest (EOI) from reputed consultant for providing consultancy services with a **period of 6 months** in the following areas and assisting MMRDA in formulation of the draft Policy and Rules in respect of disposal of C&D waste and silt in a sound and scientific manner. The consultancy work shall include but not limited to :-

- a) Examining the best practices for disposal of C&D waste within India and abroad.
- b) Assessment of ULB-wise quantities in MT/day and Composition of C&D waste and silt in MMR
- c) Comparative analysis of construction & demolition sites for examining the disposal pattern including discussions with the developer agencies, contractors, transporters and concerned Govt. Authorities.
- d) Examining the International Case Studies especially of Asian Countries in C & D waste disposal including integration with various rules and regulations for Hazardous Waste, e-waste and other environmental issues including related to the noise pollution.
- e) Formulation of guidelines for systematic collection, transportation, process and disposal of C & D waste and examining the possibility of temporary storages and waste reduction techniques like re-use, recycle by adopting various methods.
- f) Examining various treatment options like safe disposal of C&D waste and silt.
- g) Examining land related issues and Integrated approach for C & D waste management including formulation of Manifest system.
- h) Formulation of draft policy and rules for safe and scientific disposal of C&D waste and silt enactable on the lines with statutory/legal standee.
- i) Any other relevant task assigned by Metropolitan Commissioner, MMRDA.

The work also includes documentation, presentations to the Technical Committee and various authorities as & when required till the final draft Policy & Rules are approved by MMRDA/State Govt.

**6.** The consultant or their associates shall be in the waste management field having an **experience at least for 3 years** and with an Environmental Engineering background. The consultant shall hire the services of reputed organizations like IIT Mumbai, NEERI, VJTI, VNIT Nagpur or any reputed equivalent organization in Environmental field. The consultant shall to hire the services of Legal Consultant for formulation of draft policy and rules to be statutory and enactable as per law of land.

**7.** Interested parties shall submit their applications for EOI on a clearly marked **“Expression of Interest” for appointment of Consultant for framing a Policy and Rules for disposal of debris/silt in MMR** and submit along with the relevant documents such as names of their team members, qualifications, experience in this field and the names of the other associate firms, who will be working with them.

**8.** The applications received from the various parties will be scrutinized on the basis of qualifications of the members in the team, their experiences for undertaking such project including their associates. The parties fulfilling the criteria will be short-listed and Technical & Financial offers only from those short-listed parties will be invited. The parties may be called for discussions for explaining the scope of work or may be requested to give presentation on their proposal.

**9.** The selected parties shall pay a **Bid Security of Rs. 25,000/- (Rs. Twenty Five Thousand Only)** in the form of **Demand Draft** issued by a Scheduled Bank in India. The Demand Draft shall be drawn in favour of “Mumbai Metropolitan Region Development Fund” and payable at Mumbai along with bid security cover letter as shown in the Annexure **“A”**.

The application shall be submitted with relevant details, documents not later **than 3.00 PM on 23.09.2013** in a sealed envelope either by hand delivery or by Courier or by Regd. Mail to the address given below. Any postal delay in receipt of the application will not be entertained.

**10.** MMRDA reserves the right to accept or reject any/all the EOI submissions by the Consultant. The EOI document may be withdrawn or cancelled by MMRDA at any point of time during the process without assigning any reasons thereof in larger public interest.

**11.** The applicant shall bear all the cost associated with or relating to the preparation and submission of EOI including copying, postage, delivery, fees, expenses or presentations which may be required by the Authority or any other cost incurred in connection with or relating to EOI.

**12.** The Expression of Interest shall be submitted to the following address:

The Principal Advisor,  
Solid Waste Management Project Cell,  
Mumbai Metropolitan Region Development Authority,  
1<sup>st</sup> floor, Balkum Fire Brigade Station, Opp. Revaale Talao,  
Thane-Bhiwandi Road,  
Balkum, Thane (West) – 400 608.  
Desk Telephone : +91-022-2544 2633 / 2538 8121.

For any further clarification, contact the Principal Advisor, SWM Project Cell at the above address and/or telephone numbers given above.

Sd/-

Date: 20.08.2013                      Addl. Metropolitan Commissioner-II  
Mumbai Metropolitan Region Development Authority

**ANNEXURE-A - BID SECURITY**

**Cover Letter for Bid Security**

(To be forwarded on the Letter Head of the Consultant  
submitting the application)

Ref:

Date :

To,  
The Metropolitan Commissioner,  
Mumbai Metropolitan Region Development Authority,  
6<sup>th</sup> floor, Bandra-Kurla Complex,  
Bandra (East),  
Mumbai – 400 051.

Dear Sir,

Please find enclosed herewith a Demand Draft No. \_\_\_\_\_ dated \_\_\_\_\_ amounting to Rs.25,000/- (Rs.Twenty Five Thousand only) drawn in favour of Mumbai Metropolitan Region Development Fund towards the Bid Security for the Consultancy Work of framing a Policy and Rules for disposal of debris/silt in Mumbai Metropolitan Region (MMR), Maharashtra.

Thanking you,

Yours faithfully,

(Signature, Name and Designation of the Authorized Signatory)

For and on behalf of \_\_\_\_\_