

EXPRESSION OF INTEREST (EOI)  
FOR  
COLLECTION, TRANSPORTATION, PROCESSING AND MANAGEMENT OF  
CONSTRUCTION & DEMOLITION (C&D) WASTE IN BBMP  
ON

PUBLIC PRIVATE PARTNERSHIP (PPP) MODE

Mode type – Design - Build – Operate – Transfer (DBOT)

Last date for Submission of sealed EOIs : 31.07.2013 upto 5.00 PM

Date of opening of sealed EOIs : 02.08.2013 at 3.00 PM Onwards

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**BRUHAT BANGALORE MAHANAGARA PALIKE**  
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N.R. Square, Bangalore-560002. Email:eeswm2@gmail.com.

No:EE/SWM-2/EOI/ PR/137/2013-14

Date: 19.07.2013

## **EXPRESSION OF INTEREST**

(SHORT TERM NOTIFICATION)

**BBMP owns Constructions and Demolition Waste Dumping Site at the following Locations**

<b>Destination</b>	<b>Quarry pit Location</b>	<b>Survey No</b>	<b>Area in Acres.</b>
<b>Bangalore North</b>	<b>Mallasandra Village, Yeshavantapura Hobli, Bangalore North Taluk</b>	<b>33</b>	<b>30-00</b>
<b>Bangalore South</b>	<b>S.Bingipura Village, Jigani Hobli, Anekal Taluk.</b>	<b>179</b>	<b>20-06</b>

**Executive Engineer SWM-2, BBMP invites "Expression of Interest for Design, Build, Operate & Transfer (DBOT) basis 100 TPD processing plant at each location for Processing of Construction & Demolition waste and collection & transportation of such waste from city area on Public Private Partnership mode for 3 to 5 years".**

**Interested firms / organizations may apply to this office with details of minimum land requirement, Methodology involving C&D waste processing (TPD) & financial commitment needed from BBMP as per rules, norms & regulations of MoEF, CPCB, KSPCB etc. The site can be inspected before submission of EOI, for collection and transportation from city area.**

**Interested agencies are requested to submit 'Expression of Interest (EOI)' before 5 pm, On 31.07.2013 to the above office and For further information regarding qualification criteria and experience please Visit BBMP website on [www.bbmp.gov.in](http://www.bbmp.gov.in).**

**Executive Engineer  
Solid Waste Management-2**

**BRUHAT BANGALORE MAHANAGARA PALIKE**  
**JULY, 2013**  
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## **DISCLAIMER**

The information contained in this document (EOI) or subsequently provided to respondents (Applicant(s)), whether verbally or in documentary or any other form, by or on behalf of the **Bruhat Bangalore Mahanagara Palike (BBMP)** or any of its employees or advisors, (duly authorized) 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 not an agreement and is neither an offer nor invitation by the BBMP to the prospective Applicant(s) or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in the formulation of their response to this EOI (the “Application”). This EOI includes statements, which reflect various assumptions and assessments arrived at by BBMP in relation to the “Collection, Transportation, Processing and Management of Construction & Demolition (C&D) Waste in **Mallasandra** in Northern Zone and Bingipura in Southern Zone of Bangalore, within BBMP limits, on DBO T Basis.” The Project assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. This EOI may not be appropriate for all persons, and it is not possible for BBMP, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI. The assumptions, assessments, statements and information contained in this EOI may not be complete, accurate, adequate or correct. Each Applicant should therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI and obtain independent advice from appropriate sources. Information provided in this EOI to the Applicant(s) is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative

statement of law. BBMP accepts no responsibility for the accuracy or otherwise for any interpretation of opinion on law expressed herein.

BBMP, its employees and advisors 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. This shall include 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 of Applicants for participation in the Application Process.

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

BBMP 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 issuance of this EOI does not imply that BBMP is bound to select or to appoint the selected Applicant, as the case may be, for the Project and BBMP reserves the right to reject all or any of the proposals without assigning any reasons whatsoever.

Applicant(s) shall bear all 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 the BBMP or any other costs incurred in connection with or relating to its application. All such costs and expenses will remain with the applicant and BBMP 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 EOI process. Applicants are requested to carefully review the contents of this EOI and submit their proposal(s), accordingly.

## **Project area:**

In January 2007, the Karnataka Government issued a notification to merge 100 wards of the erstwhile Bangalore Mahanagara Palike with seven City Municipal Councils (CMC)s, one Town Municipal Council (TMC) and 111 villages around the city to form a single administrative area. The process was completed by April 2007 and the body was renamed as '**Bruhat Bangalore Mahanagara Palike**' (BBMP).

The area of the new urban agglomeration of Bruhat Bangalore would be about 800 Sq.Km . Around 500 tons of C&D waste per day (TPD) is being generated within BBMP area

BBMP proposes to develop an economically viable and environmentally sustainable system for collection, transportation, processing and recycling of construction and demolition (C&D) and disposal of the inerts under PPP mode.

This EOI discusses the possible uses of the recycled C&D waste material, including its use as fill material (for embankments), as sub-base material in road construction and as a raw material for making of RMC, pavement tiles, new concrete kerb stones, bricks, blocks etc.

BBMP is committed for finding a sustainable solution for C&D waste management, as there is no land available for disposing this material in sanitary landfills. The successful applicant will be permitted to use the minimum land required for processing of C & D at Mallasandra in Northern Zone and Bingipura in southern zone of Bangalore, places within 30km distance from BBMP limits.

The project is on DBOT basis at the said locations or any other sites subject to availability for a period of 3 to 5 years, with a reasonable tipping fee for management of C&D wastes.

## **Definitions:**

**C&D waste** is generated whenever/wherever any type construction/demolition activity takes place; like renovation/construction of residential/office building(s), road(s), under bridge(s), flyover(s), subway(s) etc.

**Construction waste:** mainly leftovers from new construction materials (e.g. cut-offs, damaged materials), packaging waste, used materials during construction and all other wastes typical for activities on a construction site.

**Demolition waste:** collection of all construction materials from a building, after removal of certain (hazardous) parts (e.g. asbestos, mercury containing parts, tar, PVC). DW is much larger in volume than CW.

The estimated magnitude of the C&D waste stream varies because of several factors. These factors include the differing definitions of C&D waste across States, the varied types of generating sources and activities from year to year and the range of accurate sampling procedures found in both research and practice.

### ***Composition of C&D waste:***

The major /minor components of the C&D waste are as under:

#### **Major components:**

1. Cement concrete [demolished]
2. Broken Bricks
3. Broken Cement plaster
4. Steel (from RCC, door/window frames, roofing support, staircase railings, etc.)
5. Rubble
6. Broken Stone (marble, granite, sand stone)
7. Broken Timber/wood (especially in the demolition of old buildings)
8. Soil
9. Sand
10. Gravel etc.



### **Minor components:**

- Broken Conduits (iron, plastic)
- Broken Pipes (GI, Iron, plastic)
- Broken Electrical fixtures (copper/aluminum wiring, wooden baton, Bakelite/plastic switches, wire insulation)
- Broken Panels (wooden, laminated)
- Other (glazed tiles, glass panes) *C&D wastes*.

### ***Management Economic advantages:***

- a) Improvement of the income situation of the recycling industry
- b) More jobs for workers with low qualification levels
- c) Recovery of costs associated with transportation and tipping fees
- d) Good quality of waste materials stimulated by better prices
- e) Less wastes end up in landfills, increasing lifetime and reducing costs
- f) Return of waste materials into the materials cycle
- g) Reduction of the dependency on primary materials
- h) Lower prices than new materials

### ***Environmental advantages***

- a. Less primary resources, smaller raw materials warehouse, lower landscape consumption
- b. Reduction of CO<sub>2</sub>-Emissions
- c. Less production energy when recycling
- d. Smaller transport distances
- e. Recycling discourages illegal dumping and reduces negative environmental effects upon groundwater, surface-water, air, flora & fauna and landscape
- f. Controlled disposal of non-mineral C&D waste means to be able to prevent ignition and incineration of e.g. rubber and plastic

***Social and health advantages:***

- a. Reduction of proliferation of pests if C&D waste is deposited on controlled sites
- b. Emissions into the air or leaching of toxic substances into the soil and/or groundwater affect the population
- c. Unstable dumps and deposits are dangerous for civilians and workers
- d. Uncontrolled incineration of C&D waste can cause emissions of toxic compounds or substances such as dioxins
- e. Lower growth rate of landfills and more space for productive uses, e.g. green or living areas.

**C&D Waste in Bangalore:**

Bangalore, the capital of Karnataka, is a rapidly growing city in Southern India and an attractive destination for corporate, entrepreneurs, academicians and realtors due to its strategic geographical location, multilingual and cosmopolitan culture. Bangalore has good urban infrastructure like flyovers, ring roads, integrated townships, international airport and the express highway that connects the IT and financial districts, reducing the travel time considerably.

Given the rapid spread of the urban sprawl in Bangalore, managing the urban environment and related problem is becoming increasingly complex. Increasing quantity of C&D waste due to increasing infrastructure development has added a new dimension to the solid waste management in Bangalore.

C&D waste in Bangalore mostly consists of inert and non-biodegradable material such as broken brick-concrete pieces, plaster (cement mortar/plaster of paris), metal/wood/plastics pieces etc. There is a huge demand of aggregates in the housing and road sectors but there is significant gap in demand and supply, which can be reduced by recycling construction and demolition waste to certain specifications. While some of the items like bricks, tiles, wood, metal etc.

are re-used and recycled, concrete and masonry, constituting about 50% of the C&D waste is not currently recycled in Bangalore. The fine dust like material (fines) from C&D waste is presently not being used and thus wasted.

The presence of C&D waste and other inert material is significant (almost one sixth of total MSW on an average) but so far, no notable development has taken place for utilizing this in an organized manner. At present, private contractors remove this waste to privately owned low-lying land for a price or more commonly, dump it in an unauthorized manner along roads or other public land. Small quantities of C&D waste usually get mixed with domestic waste due to lack of segregated storage and collection facilities.

#### **C&D waste requires focus primarily in view of**

- (i) Its potential to save natural resources (stone, river sand, soil etc.),
- (ii) Its bulk, which is carried for long distances without any proportionate return
- (iii) The space it occupies at the sanitary landfill site unless the fines are used as landfill cover,
- (iv) Its potential for spoiling processing of biodegradable as well as other recyclable waste. On the other hand it has potential use after processing and grading.

Thus, its presence in terms of quantity as well as its importance is growing. So far in Bangalore, there is very little effort to manage and utilize C&D waste.

#### **Objectives of C&D Waste's management:**

The objectives of C&D waste management are to:

- a) Maximize recovery of recyclable C&D material(s);
- b) Maximize reuse of recovered material in construction activity;
- c) Minimize waste quantity that requires landfill disposal;
- d) Ensure the proper disposal of C&D materials that cannot be recovered;
- e) Increase life of sanitary landfill site(s); and
- f) Reduce in total costs of C&D waste management.

### **Major Source(s) of C&D Waste in Bangalore: (for guidance only)**

Some of the major activities which generate C&D waste in Bangalore are as under:

- Demolition of existing /old dilapidated structures;
- Renovation of existing buildings [residential or commercial];
- Construction of new buildings [residential or commercial or hotel etc.];
- Excavation/reconstruction of asphalt/concrete roads, drains, footpaths, etc.,
- Construction of new fly over bridges/under bridges/sub-ways etc; and
- Renovation /Installation of new water/telephone/internet/sewer pipe lines etc

### **Present collection and disposal system:**

At present, some C&D waste producer(s) dump C&D waste at various location(s) in Bangalore, from where BBMP collects/transport the waste to the disposal site(s); where, it is being used either for making of roads or as covering material for landfills.

### **Scope of work:**

A tentative scope of work (not exhaustive) is as under:

#### ***Collection and Transportation***

The successful Applicant shall be responsible for the collection and transportation of C&D waste to the processing facility. He/she will be required to provide containers/bins [in any number] to all C&D waste producers and at designated dumping sites compatible for mechanically lifting and disposal of waste into a tipper truck at various source(s) and dumping site(s) within the entire concession area or will have to make arrangements for prompt lifting of C&D waste by any other mechanical means. The number of containers and the equipments at specific location(s) will be decided by the successful Applicant and the BBMP with mutual consultation. All dumping points shall be serviced by using auto lifters or closed tippers etc. Clear the C&D waste dumped on road sides.

#### ***Treatment Process***

The successful Applicant shall set up a C&D waste management facility at designated sites along with site development work(s) such as boundary wall, drainage work, electricity [inside and outside the processing unit] , roads etc. The successful Applicant shall be expected to use a combination of technologies that includes crushing, screening, and separation etc. that will maximize waste treatment and would ensure zero landfill of waste.

The material which cannot be used as filling material, may be taken over by BBMP if required [free of charge], so as to use it as cover material in the landfill site(s). However, if the said material is not required by BBMP the same shall be disposed off by the concessionaire at his/her cost.

The successful Applicant will be required to assess the quality and quantity of the C&D waste generated for arriving at the technology selection. The total system would be compliant with the applicable rules and guidelines, framed in India, for the purpose.

## ***Treatment Facility***

The work at the site can be divided into following broad categories:

- (i) Site development
- (ii) Constructing and operating of C&D waste processing system;
- (iii) Operation and maintenance of infrastructure and equipment.

### ***(i) Site Development***

The broad scope of work to be carried out by the successful applicant under site development is:

- a. Undertaking necessary geo-technical survey to assess the hydrological and flooding potential of the site.
- b. Construction of internal roads, drainage work, electricity (inside and outside the processing unit) fencing wall/internal boundaries (aesthetically pleasing, attractive and requiring low maintenance cost) etc.0 To restrict the entry to specific areas of site.

### ***(ii) Construct and Operation of C&D Waste Processing System***

The successful Applicant shall be expected to use a combination of (mechanical processes) technologies/systems that includes crushing, screening, and separation which would maximize waste treatment and ensure zero land filling. The successful applicant will be required to look into the quality and quantity of the waste generated in the designated area for arriving at the technology selection. The total system would be complaint with MSW Rules 2000 or the applicable rules of the land and guidelines.

The successful applicant shall undertake crushing in such a manner that noise and dust pollution are controlled, this can be accomplished by installing a cover over project area. The cover would further help in continuing operations during unfavorable weather situations like rain or storm. The successful applicant shall ensure that end product complies with the standards as specified in applicable laws.

Mixed C&D waste from different parts of the city and from various activities needs to be separated after crushing and screening. Air blowers, Magnetic Separation, Jigging or Manual Separation can be employed for this purpose.

The successful applicant shall process the C&D waste, confirming to applicable laws in a noise/dust free environment, as decided by BBMP.

The successful applicant shall also identify/use alternate methods in place of conventional treatment/processing method(s), required for processing a particular type of waste, so as to ensuring zero-land filling of waste.

The successful applicant shall identify and develop end-markets for recycled C&D Waste products, independently.

***(iii) Operation & Maintenance of infrastructure equipment***

The successful applicant shall be responsible for construction, operation and maintenance of bins, tipper trucks, mechanical lifting arrangement to transfer the waste from bin into tipper truck, required infrastructure including treatment units [crushers and separators] etc. Parking facilities, container locations, weigh bridges, hook loaders, on build, operate, and transfer basis.

***Awareness:***

The successful applicant shall undertake a mass awareness programme for encouraging the effective collection, transportation and processing and disposal in the designed facility.

**Eligibility criteria:**

An applicant shall be a single entity or a consortium to implement the Project. The lead firm must have 26% equity in case of consortium and must incorporate a Special Purpose Vehicle (SPV) for the same

The EOI must be submitted by the Applicant itself or a duly authorized person on its behalf.

**(i) Experience:**

The Applicant or any member of the consortium shall have experience in collection / transportation and management [processing] of MSW/C&D waste, during last three years in

- a) Collection & transportation of C&D or MSW Waste with a minimum quantity of 250 TPD.
- b) Management (processing) of C&D or MSW waste with a minimum quantity of 250 TPD (two separate members of consortium can satisfy the above two criteria).

**(ii) Financial:**

The Applicant or the lead firm in case of consortium shall have an average annual financial turnover on similar works of at least Rs. one crore during the immediate last **three** consecutive financial years proceeding to the current financial year. This should be duly audited by Chartered Accountant. Year in which no turnover is shown would also be considered for working out the average.

The applicant should not have incurred any loss in more than two years during the immediate last five consecutive financial years, duly certified by the Chartered Accountant.

The applicant or the lead firm in case of consortium should have a solvency of Rs.5.00 crores certified by his Bankers to be provided at the RFP stage.



**(iii) Other eligibility Criteria:**

The prospective Applicant should have experienced staff in solid waste management as per MSW Rules, 2000, automobile/mechanical engineering, auto electrical, auto mechanical, fitter, helper, drivers of heavy vehicles; supervisors and workmen in repairing and maintaining the vehicles.

The prospective Applicants shall submit

- Audited balance sheet for the last five years, indicating turnover, liabilities and investments etc.
- Copy of applicants PAN No.
- Sales tax certificate,
- PF and ESIC registration documents,
- Copy of company MoA/Incorporation certificate etc,
- Agreement between the entities in case of consortium.

**Non Eligibility for Response to EOI:**

- a) The proprietary, partnership firm, Private Ltd. Company Ltd., Company which has been adjudged insolvent or has been black listed by the GOI/State Governments, Public Sector Unit or any Urban Local Body/ is not eligible to submit any offer.
- b) The proprietary, partnership firm, Ltd. Company or their authorized representative, authorized signatory, any director or their representatives for this EOI has / have been convicted in a court of law for an offence under Indian Penal Code or offence involving moral turpitude or other criminal activities or detained under any preventive law for the time being in force; offer submitted by such company / firm shall be treated as invalid. An undertaking to this effect will have to be submitted.

### **Restrictions for Submission of EOI:**

- a) Any Applicant who has been barred by the BBMP or Central/ State Government or any other Govt. /Semi Govt. Authority, from participating in any project (DBO/DBOT/BOT or otherwise), and if the bar subsists as on the date of application, would not be eligible to submit an application.
- b) The Applicant shall, in the last five years, have neither failed to perform any contract, as evidenced by imposition of a penalty by an arbitral judicial authority or a judicial pronouncement or arbitration award against the applicant, nor been expelled from any project or contract nor have had any contract terminated for breach by such Applicant.
- c) The entities having any outstanding dues to BBMP are not eligible to submit an Application.
- d) None of the Applicants / Company having common partner/ proprietor or who are connected with one another either financially or administratively as principal, agent or master, or closely related to each other such as husband and wife, father/mother and minor son/daughter or brother/sister and minor brother / sister and their corresponding in-laws shall submit EOI separately under different names or establishments for this project / work. The Applicant should not be near relative of BBMP employees, near relative means wife / husband / parent / grand parent / children / grand children / brother / sister/ aunts / cousins etc. and their corresponding in-laws.
- e) Any Applicant failing to do so will themselves render liable to have their EOI treated as invalid. The company must disclose the names of their Partners, Directors, in the application document while submitting the EOI.

## **Instructions to Applicants:**

### *a) Applicants responsibility before EOI submission:*

- (i) Applicants shall be responsible for all of the costs associated with the preparation of the application and their participation in the application process. BBMP will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the application process.
- (ii) All data provided as part of the EOI Document Package is for Guidance and general information purpose only and should be verified by the Applicants for use as a part of preparing their proposals for the Project. BBMP shall not stand guarantee for and shall not be held responsible for any variation in the data related to cost of installation of revenue, which have been made available in this document.
- (iii) Applicants shall ensure that the submission is complete in all respects and conforms to all requirements indicated in the EOI document.
- (iv) Applicant shall intimate the names of persons who are working with him in any Capacity or are subsequently employed by him.

### **b) Site Visit, and Field Investigations, if any:**

The Applicant shall visit concession area & processing site and examine them, at their own, and all the information and data that may be necessary for submission of the Application, and entering into Concession Agreement for the collection, transportation and management of C&D waste in Mallasandra in Northern Zone and Bingipura in Southern Zone of Bangalore within BBMP limits, on DBOT (Design, Build, Operate ) basis, and subsequent operation and maintenance of the same. The information(s) which has been provided in this EOI document is intended to guide the Applicants in preparing their application only. BBMP shall not stand guarantee for and shall not be held responsible for any variation in the data related to cost of installation or revenue, which have been made available in this document.

**c) Costs associated with Visits and Field Investigations, if any:**

The costs of visiting the processing site, and undertaking any further studies and investigations shall be at the Applicant's own expense. The Applicant is advised to make field visits before submitting his/her application.

**d) Familiarity with Clearance:**

The Applicant shall be familiar with the clearances required from various authorities to commence the work. An applicant shall be deemed to have carried out preliminary checks with relevant authorities.

e) It would be deemed that by submitting the application, the Applicant has made a complete and careful examination of the EOI and obtained all relevant information about the Project.

f) BBMP shall not be liable for any mistake or error on the part of the Applicant in respect of the above.

**Cost of document:**

The cost of EOI document i.e. Rs.10,000/- (Rupees Ten thousand only) shall be furnished in the form of Demand Draft drawn in favour of Commissioner, BBMP, payable at BANGALORE, at the time of submission of EOI documents along with the other submissions as per the EOI document. The EOI submission without EOI document cost shall not be entertained and summarily be rejected.

**Clarification from applicants:**

To facilitate evaluation of application, the BBMP may, at its sole discretion may seek clarifications from any Applicant regarding its application. Such clarification(s) shall be provided within the time specified by the BBMP for this purpose. Any request for clarification(s) shall be in writing.

If an Applicant does not provide clarifications sought under Sub-Clause above within the prescribed time, its Application shall be liable to be rejected. In case the application is not rejected, the BBMP may proceed to evaluate the proposal by construing the particulars requiring clarification to the best of its understanding and the Applicant shall be barred from subsequently questioning such interpretation of the BBMP.

**Language:**

The Application and all related correspondences should be written in the English language, only. Supporting documents and printed literature furnished by Applicants with the application may be in any other language provided that they are accompanied by appropriate translations of the pertinent passages in the English language. Supporting materials which are not translated into English shall not be considered. For the purpose of interpretation and evaluation of the application, the English language translation shall prevail.

### **Proposal documentation:**

The application should have no overwriting except as necessary to correct error made by the Applicants themselves, in which case such corrections must be initiated by the person signing the proposal.

The Application and its copies shall be typed or written in indelible ink and the authorized representative of the Applicant shall initial each page. The person (s) signing the proposal shall initial all the alterations, omissions, additions, or any other amendments made to the proposal.

### **Right of BBMP to accept or reject any proposal:**

- Notwithstanding anything contained in this EOI, the BBMP reserves the right to accept or reject any application and to annul the EOI process at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons therefore.
- BBMP reserves the right to reject any application if:
  - a) At any time, a material misrepresentation is made or uncovered, or
  - b) The applicant does not provide, within the time specified by the BBMP, the supplemental information sought by the BBMP for evaluation of the Application.

Such misrepresentation / improper response shall lead to the disqualification of the Applicant, In case it is found during the evaluation or at any time before signing of the Concession Agreement or after its execution and during the period of subsistence thereof, including the concession thereby granted by the BBMP , that one or more conditions of EOI have not been met by the Applicant or the Applicant has made material misrepresentation or has given any materially incorrect or false information, the Applicant shall be disqualified forthwith if not yet appointed as the Selected Applicant either by issue of the LOA or entering into of the Concession Agreement, and if the Applicant has already been

issued the LOA or has entered into the Concession Agreement, as the case may be, the same shall , notwithstanding anything to the contrary contained therein or in this EOI, be liable to be terminated, by a communication in writing by the BBMP to the Applicant, without the Authority being liable in any manner whatsoever to the Applicant.

The BBMP reserves the right to verify all statements, information and documents submitted by the Applicant in response to the EOI. Failure of the BBMP to undertake such verification shall not relieve the Applicant of its obligations or liabilities hereunder nor will it affect any rights of the BBMP there under.

**Proposal submission due date:**

Proposal will be received upto 5.00 PM (IST) on 31.07.2013.

- A. Two envelop process is being adopted. The Applicant shall prepare and submit their expression of interest in original [one copy clearly making ORIGINAL] and a COPY [one copy clearly making COPY] as per the procedure detailed below:

**Submission :**

**Envelop A**

“Cost of EOI Document” The cost of EOI document is Rs.10000/- (Rs.Ten thousand) shall be payable in case of document downloaded from website by way of demand draft in favour of the Commissioner, BBMP, Bangalore.

**Envelop B**

Expression of interest document along with all enclosures towards Experience details, Financial details & other eligibility details, approach and methodology, technical operations, etc.

The Applicant will also be required to present his/her proposal through a Power Point Presentation or model etc. at the time evaluation of EOI, before the evaluation committee. Also, at the time of evaluation the Applicant shall explain his/her methodology to undertake the collection, transportation and management of

C&D Waste, Applicants who meet the conditions of Stage one will be enlisted for issue of RFP for the project/work.

**Late applications**

BBMP will not, accept any application received after the proposal submission due date and time. Late submission will be summarily rejected.

**Confidentiality:**

Information relating to the examination, clarification, evaluation, and recommendation for the short-listed pre-qualified Applicants shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the BBMP in relation to or matters arising out of, or concerning the proposal process. The BBMP will treat all information, submitted as part of proposal, in confidence and will require all those who have access to such material to treat the same in confidence. The BBMP may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/or the BBMP.

Applicants will treat all information submitted as part of proposal, in confidence and will not divulge any such information unless it is ordered to do so, by any authority that has the power under law to require its disclosure.

**Tests of responsiveness:**

Prior to evaluation of proposal submission, BBMP will determine whether each proposal is responsive to the requirements of the EOI. A proposal submission shall be considered responsive if it:

- a. Is received by the proposal submission due date including any extension thereof ;
- b. Is signed, sealed and marked as stipulated;
- c. Contains all the information as requested in the EOI ;
- d. Mentions the validity period as stipulated in the EOI; and
- e. It does not contain any conditions for executing the project.



## **Evaluation of EOI:**

BBMP will evaluate the proposals determined to be substantially responsive and fulfilling the minimum basic criteria, experience, methodology, manpower, machineries, technology, qualification of the personnel, financial capability, concessions sought from BBMP etc., and as decided by the evaluation committee and empanel the firms/ agencies, for the next stage of limited tendering process as per the procedure .

The short listed agencies or firms are informed separately and will be issued the RFP for further bidding and finally award of the work through e-procurement platform on QCBS method, Entities not applying for the EOI cannot apply as lead in the RFP stage.

### **Notes:**

1. Generally, the minimum and average marks for EOI qualification shall be 75 %.
- The applicant will be marked against the following format:
- a. Company/consortium /entity profile, turnover, years of operations, relevant experience : 20 marks
  - b. Proposed methodology : 45 marks
  - c. Meeting the prequalification criteria : 20 marks
  - d. Staffing, machinery, infrastructure : 15 marks.
1. The applicant shall submit a suitable methodology [along with technical proposal] disclosing the technologies to be adopted by him/her for treatment/disposal of C&D waste under this project like Crushing, Screening, Separation and production of cubes/tiles etc.
  2. It is mandatory for the applicant to submit a soft copy of the technical proposal, without which EOI submission will be considered incomplete.
  3. The applicant should also submit a power point presentation (in CD) covering the complete details of the project.
  4. The summary of technical aspect

*Note : The Applicant(s) shall page numbered the document(s) submitted by him/her and also shall prepare an index mentioning each content of the proposal clearly (by giving page number), failing which the proposal shall be considered as non-responsive and shall summarily be rejected.*

**Miscellaneous:**

The EOI process shall be governed by and construed in accordance with, the laws of India and the Courts at Karnataka (only) shall have exclusive jurisdiction over all disputes arising under pursuant to and/or in connection with the EOI process.

BBMP in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to;

- a) Suspend and/or cancel the EOI process and/or amend and/or supplement the EOI process or modify the dates or other terms and conditions relating thereto;
- b) Consult with any Applicant in order to receive clarification or further information;
- c) Retain any information and/or evidence submitted to the BBMP by, on behalf of, and/or in relation to any Applicant; and/or
- d) Independently verify, disqualify, reject and / or accept any and all submissions or other information and/or evidence submitted by or on behalf of any Applicant.

It shall be deemed that by submitting a proposal, the Applicant agrees and released the BBMP, its employees , agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and / or performance of any obligations hereunder, pursuant hereto and / or in connection herewith and waives any and all rights and / or claims it may have in this respect, whether actual or contingent, whether present or future.

It will be Applicant's responsibility to obtain all required permit(s) / permission(s) / clearances from various department(s); for starting/undertaking the project work at Mallasandra in Northern Zone and Bingipura in Southern zone of Bangalore within BBMP limits, on DBOT Basis (including infrastructure work).

The Applicant shall indemnify the BBMP from all accidents, accident claims etc. likely to be happened during collection, transportation, processing of C&D waste and disposal of end products.

# **ANNEXURES**

**Format for covering Letter-cum-Project undertaking**

**To,**

Executive Engineer,  
SWM-2, BBMP, 3<sup>rd</sup> floor, Annexe-1 Building,  
Bruhat Bangalore Mahanagara Palike offices,  
N.R. Square, Bangalore-560002.  
Email: [eeswm2@gmail.com](mailto:eeswm2@gmail.com).

**Dear Sir,**

**Subject :** Collection, Transportation and Management of Construction  
& Demolition (C&D) Waste in Mallasandra in Northern  
Zone and Bingipura in Southern zone of Bangalore within  
BBMP limits, on DBO (Design, Built, Operate ) basis.

\*\*\*\*\*

Being duly authorized to represent and act on behalf of the firm / organization (hereinafter referred to as “the Applicant”), and having reviewed and fully understood all of the information provided in the EOI document provided to us by BBMP, in respect of the Project, the undersigned hereby submits the Proposal in response to the EOI, for your evaluation.

I/we are enclosing our Proposal in one (1) original and one (1) copy, along with EOI document cost, project details and necessary certificates , documents etc., as per the requirements of the EOI.

We also hereby agree and undertake as under:

Notwithstanding any qualifications or conditions, whether implied or otherwise, contained in our Proposal we hereby represent and confirm that our Proposal is as per qualification criteria in all respects and unconditional and we agree to the terms of the proposed Concession Agreement , a draft of which also forms a part of the EOI document provided to us.

.....

(Signature of the Authorized Person)

.....

(Name and designation of the Authorized Person.....)

(Date)

1. on the Letterhead of the Applicant or Lead Member of Consortium
2. To be signed by the Lead Member in case of a Consortium.

### **General information about Agency:**

The project for Design, Construct, Operate & Maintain a daily 100 Tonnes processing plant for Construction & Demolition waste and collection & transportation of such waste from city area on Public Private Partnership mode for 3 to 5 years as per rules, norms & regulations of MoEF, CPCB, KSPCB etc.

- BBMP will permit minimum required land for this project on lease / rental basis(agency can not mortgage the land with financial institution) with road to the site and street lights to the site.
- Agency has to pay all developmental charges to the concerned authorities and a property tax to BBMP (as per prevailing policy of BBMP)
- Agency has to give a bank guarantee of Rs. 50 lacs for entire agreement period as a performance security deposit to BBMP.
- If BBMP will deliver the C & D waste at the site at its own cost, the agency shall accept the waste round the clock.
- The responsibility for marketing & sale of the product rests with the agency.
- Interested agency for this project shall submit their EOI with their sign, stamp on each paper of EOI and a covering letter mentioning about correctness of all submitted information.
- The EOI shall cover all points which are mentioned below with self attested supporting documents.
  - a. General information about the agency.
  - b. Information about the project proposal
  - c. Commercial information about the project proposal.

The formats for submission of above information are given below:

**General Information about the agency:**

<b>Sl No.</b>	<b>Particulars</b>	<b>Details Required</b>
1	Name of Agency	
2	Address/ tel number/Fax Number/	
3	Email id	
4	Website: (if any)	
5	Name of contact Person	
6	Designation	
7	Mobile Number	
8	Type of agency (Private Ltd., Public Ltd., etc)	
9	Service Tax Enrolment / Registration certificate & its Number	
10	Income Tax Permanent Account Number and date	
11	Are you submitting this offer in a Joint Venture / Consortium? If yes, 1) Name of the Lead Partner 2) Name of the technology provider 3) Share of a lead member in this Submit a copy of such Joint Venture /Consortium agreement.	
12	Present Net worth of the agency(the computation of net worth shall be based on unconsolidated audited annual accounts of any of the last three financial years, submit Chartered Accountant's certificate and last 3 years audited reports).	

Note: the certified respective particulars should be scanned and uploaded in the e-portal.

### Information about the project proposal & Technical proposal:

Sl.No.	Required information
1	Area required for the project (in Acre) Total Land Plant footprint.
2	Civil work cost (with details of break up)
3	Machinery cost (with details of break up)
4	Operation & Maintenance cost monthly, Fixed cost (with details of break up) Variable cost per ton (with details of break up) Water requirement (KL / Day)
5	Electricity requirement for power load and unit consumption in kw
6	Construction period (after land handover and excluding monsoon season)
7	100% plant commissioning period (after land handover and including monsoon season)
8	Environmental clearance required for the proposed technology (MNRE, KSPCB etc )
9	Environment Impact Assessment Study for the proposed technology
10	Give brief description of the technology (it should cover methodology, odour impact, manual / mechanical / semi automatic / fully automatic etc, process flow, final products etc in complete manner)
11	Informations can be submitted as annexures also.
12	Construction and O&M Experience of similar projects, Client certificates (mention the size of project and technology used) for all the past projects need to be attached with this response. Number of project executed In India , Abroad, Number of projects in operation at present In India, and Abroad with complete details.
13	Proposed team members and their experience in similar projects
14	Proposed safeguards for environment and social aspects and their design
15	Scope for future expansion Details ,capacity, time taken, land requirement etc.
16	Type of final product/s and by product/s will be made from such technology and the usages of such products?
17	Proposed methodology for disposing off the post process / inert waste, percentage of input waste,etc
18	Grants / subsidies etc available for such type of projects in India?
19	Final products' quality & its comparison with conventional product of similar type. (Technical & Commercial) .

Past experience of the agency will be considered for technical evaluation of the proposal and decision of BBMP in this regard will be final and binding.



### **Commercial Information about the project proposal:**

- BBMP will permit to use the minimum available land at the said two locations for processing of C & D waste.
  - Agency/operator shall Invest 100% of capital cost of the project
  - Do all operations and maintenance cost of the project at its own for entire agreement period.
  - Operate & maintain all vehicles and machineries for collection, transport & delivery at plant site.
  - Set a 50Tonnes electronic weighbridge at plant site at its own cost and maintain the same.
  - Set a call center (8 am to 8 pm, all 365 days) for registering a request for collection from BBMP and private parties. Adhere to a performance benchmark for the collection and transportation cycle in most environmentally friendly manner.
  - Put GPS in all vehicles at its own cost and provide MIS data to BBMP on a regular basis
  - Give methodology of collection and transportation, processing and disposal of C & D waste which should include collection from zone, ward, complain base collection, request base collection system ( RFID system)
  - Give details about which type of vehicles, machineries etc with its capacity which are going to use in collection & transportation of C & D waste.
1. (a) What is the expectation from BBMP for transportation charges for entire agreement Period? (per ton)  
(b) What is the expectation from BBMP for O & M fee / processing fee / tipping fee for entire agreement period? (Per Ton basis)
  2. What is the sharing pattern of any grant / subsidy / incentive coming from any government agency to BBMP?
  3. What is the sharing pattern in revenue from sale to BBMP.

**Details of Experience**

<b>Year</b>	<b>Collection and Transportation of C&amp;D, 100 TPD Management and processing</b>	<b>Details of Description</b>
2009-10		
2010-11		
2011-12		
Any other experience related to this field, in past [years]		

(\*attach documents in support)

**Details of financial capacity:**

<b>Year</b>	<b>Turnover**</b>	<b>Net Worth**</b>
2009-10		
2010-11		
2011-12		

(\*\*Attach copies of audited copies of Turn Over, P&L account and Balance Sheets and calculation of net worth for last three years)

Methodology : A detailed write-up on the proposed methodology [i/c Construction and day to day maintenance] to achieve the defined scope of work, within the stipulated time period and its details;

## **Format of Technical Proposal**

(The covering letter is to be submitted by the Bidding Company along with the other documents required)

Date:

Place:

**To,**

Office of the Executive Engineer,  
SWM-2, 3<sup>rd</sup> floor, Annexe-1 Building,  
N.R. Square, Bangalore-560002.  
Email: [eeswm2@gmail.com](mailto:eeswm2@gmail.com)

**Dear Sir,**

**Subject :-** Collection, Transportation and Management of  
Construction & Demolition (C&D) Waste in  
Mallasandra in Northern Zone and Bingipura in  
Southern zone of Bangalore within BBMP limits, on  
DBOT (Design, Built, Operate & Transfer) basis.

\*\*\*\*\*

We hereby confirm the following:

- I/We have examined in detail and have understood the terms and conditions stipulated, in the EOI document issued by BBMP, and in any subsequent communication, and reply to any other queries concerning this project sent by BBMP. We agree and undertake to abide by all these terms and conditions.
- The information submitted with respect to our qualification criteria is complete, is strictly as per the requirements stipulated in the EOI, and is correct to the best of my/our knowledge, understanding and belief.

- I/we would be solely responsible for any errors or omissions in our proposal. I/We certify that we meet and shall adhere to meet continued eligibility criteria under all circumstance and agree to our disqualification if found non-complying with the same.
- I/We acknowledge the right of BBMP to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
- I/We have not been barred by the BBMP or Central/State Government or any other Govt. /Semi Govt. from participating in any project (DBOT or otherwise), and for corrupt and fraudulent practice.
- I/We in the last three years, have neither failed to perform any contract, as evidenced by imposition of a penalty by an arbitral judicial authority or a judicial pronouncement or arbitration award against the Applicant , nor have I/we been expelled from any project or contract nor has had any contract terminated for my/our breach.
- I/We do not have any outstanding dues against BBMP.

For and on behalf of Signature :

(Authorized Representative and Signatory)\*

Name of the Person :

Designation

(\*enclose authorization letter) :

Enclosures: Proposal & other information as per EOI requirements.