



# Bhubaneswar Municipal Corporation

Progress Through Partnership for Better Bhubaneswar

**SWACHH SURVEKSHAN**  
8075-20  
ULB code: 801859

No. 31571 /Date 29/05/26  
BMC/SANI/0058/2025  
**Sanitation section**

## NOTICE INVITING REQUEST FOR PROPOSAL (RFP)

On behalf of the Commissioner, Bhubaneswar Municipal Corporation (BMC), Additional Commissioner, BMC invites Request for Proposal (RFP) from interested agencies who fulfil the eligibility criteria requirement set forth in the RFP document for **“Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.”** The detail RFP document can be seen and downloaded from BMC website <http://bmc.gov.in> from 01.06.2026 (11.00 AM) onwards.

For queries, interested parties may contact the office of Additional Commissioner, Bhubaneswar Municipal Corporation at ICOMC Tower at Satya Nagar, Infront of Satya Nagar Kali Temple on Janpath, Unit-IX, Bhubaneswar- 751022, Odisha, India.

### 1. Schedule of Events:

Period of availability of Tender Document in BMC website	From Dt.01.06.2026 to Dt.22.06.2026 (till 5:00 PM)
Pre-bid meeting (Physical & Virtual)	On Dt. 09.06.2026 (Time 12.30 PM) (4 <sup>th</sup> floor Conference Hall of ICOMC Tower)
Last date and time of receiving queries to be sent to email id: <a href="mailto:dc-sanitation@bmc.gov.in">dc-sanitation@bmc.gov.in</a> and <a href="mailto:swmpmu@gmail.com">swmpmu@gmail.com</a> (Format for sending queries attached in Annexure-X)	Dt. 10.06.2026 (by 5:00 PM)
Last date and time for submission of bids	22.06.2026 (till 5:00 PM)
Date and time for technical bid opening	23.06.2026 (11:00 AM)
Financial bid Opening	Will be Communicated by BMC
Address for submission of Bid	The Additional Commissioner, BMC Bhubaneswar Municipal Corporation, 4 <sup>th</sup> Floor, BMC-ICOMC Building, Satya Nagar, Opposite Satya Nagar Kali Temple, Bhubaneswar- 751 022

2. All amendments, Clarifications, time extension etc. will be uploaded in the BMC website only interested parties should regularly visit the above website to keep themselves updated.

By Order of Commissioner, BMC

  
Additional Commissioner  
Bhubaneswar Municipal Corporation

Memo No. 31572

Dt. 29.05.26

Copy forwarded to Director, Information and Public Relation Department and A.C (PR and Communication, BMC) for publication of the notice for Request for Proposal (RFP) in two English newspaper i.e., Times of India and New Indian express in its all-India edition copy and also in one Odia daily i.e **Samaja** copy on or before dt. **01.06.2026**. A copy of the notice published in both news paper to be shared to this office.



Additional Commissioner  
Bhubaneswar Municipal Corporation

Memo No. 31573

Dt, 29.05.26

Copy forwarded to D.C (IT) for uploading of the **Request for Proposal** document on BMC website before 11:00 AM of dt. **01.06.2026**.

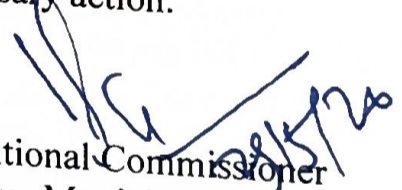


Additional Commissioner  
Bhubaneswar Municipal Corporation

Memo No. 31574

Dt. 29.05.26

Copy to CFO, BMC/City Engineer, BMC/ DC (Sanitation), BMC /Executive Engineer (Sanitation)/ Asst. Engineer (Sanitation), BMC for information and necessary action.



Additional Commissioner  
Bhubaneswar Municipal Corporation

Memo No. 31575

Dt. 29.05.26

Copy submitted to PA to Hon'ble Mayor, BMC/PA to Commissioner, BMC for kind information of Hon'ble Mayor and Commissioner respectively.

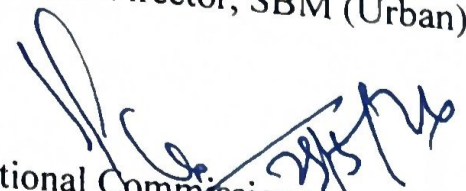


Additional Commissioner  
Bhubaneswar Municipal Corporation

Memo No. 31576

Dt. 29.05.26

Copy submitted to Additional Secretary to Government & State Mission Director, SBM (Urban) for kind information.



Additional Commissioner  
Bhubaneswar Municipal Corporation

**Request for Proposal (RFP)**

**for**

**Establishment of Municipal Solid Waste feedstock based  
50 TPD Charcoal Production unit under Bhubaneswar  
Municipal Corporation**



**Bhubaneswar Municipal Corporation  
ICOMC Tower, Janpath Road, Satya Nagar  
Bhubaneswar - 751022**

## **Disclaimer**

The information contained in this Request for Proposal document (the “RFP”) or subsequently provided to Applicant(s), whether verbally or in documentary or any other form, by or on behalf of the Authority or any of its employees or advisors, is provided to Applicant(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by the Authority to the prospective Applicants or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in the formulation of their application for qualification and facilitate in making financial offer pursuant to this RFP (the “Application”). This RFP includes statements, which reflect various assumptions and assessments arrived at by the Authority in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. This RFP may not be appropriate for all persons, and it is not possible for the Authority, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in this RFP 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 RFP and obtain independent advice from appropriate sources.

Information provided in this RFP to the Applicant(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder, 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 RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way with pre-qualification of Applicants for participation in the Bidding Process and making financial offer.

The Authority 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 RFP.

The Authority 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 RFP.

The issue of this RFP does not imply that the Authority is bound to select and shortlist pre-qualified Applications for Bid Stage or to appoint the selected Bidder or Concessionaire, as the case may be, for the Project and the Authority reserves the right to reject all or any of the Applications or Bids without assigning any reasons whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its Application. All such

costs and expenses will remain with the Applicant and the Authority 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 Bidding Process.

### **Schedule of RFP Process**

Bhubaneswar Municipal Corporation (BMC) invites Proposals for Interested Applicants can download the RFP online from the official website of BMC i.e. <https://www.bmc.gov.in/> . The Applicants are advised to carefully go through the RFP document and ensure that they satisfy the eligibility conditions. The schedule of bidding process shall be as follows:

#### **1. Schedule of Events:**

Period of availability of Tender Document in BMC website	From Dt.01.06.2026 to Dt.22.06.2026 (till 5:00 PM)
Pre-bid meeting (Physical & Virtual)	On Dt. 09.06.2026 (Time 12.30 PM) (4 <sup>th</sup> floor Conference Hall of ICOMC Tower)
Last date and time of receiving queries to be sent to email id: <a href="mailto:dc-sanitation@bmc.gov.in">dc-sanitation@bmc.gov.in</a> and <a href="mailto:swmpmu@gmail.com">swmpmu@gmail.com</a> (Format for sending queries attached in Annexure-X)	Dt. 10.06.2026 (by 5:00 PM)
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## 1. INTRODUCTION

Bhubaneswar Municipal Corporation (hereinafter referred to as “BMC” or “Authority”) was constituted in the year 1948 as a Notified Area Committee, subsequently upgraded to a Municipality in 1979, and later to a Municipal Corporation in 1994. BMC has consistently undertaken progressive initiatives in urban service delivery and envisions its role as a principal provider of civic services to enhance the quality of life of the residents of Bhubaneswar. The Corporation presently covers an area of approximately 200 sq. km, divided into 3 administrative zones, which are further proposed to be expanded into 6 zones, comprising 67 wards. As per Census 2011, the population of Bhubaneswar stands at 8.40 lakh, with an estimated 2.72 lakh households at present. The city is witnessing rapid urbanization, and several adjoining peri-urban and rural areas are expected to be incorporated into the municipal limits in the coming years, which will further increase the population base and consequently the quantum of waste generation. Therefore, augmentation of processing capacity is essential to cater to the anticipated increase in municipal solid waste load..

- 1.1 BMC has adopted a decentralized solid waste management system for processing municipal solid waste generated across its jurisdiction. The city currently generates approximately 800 TPD of municipal solid waste, comprising around 384 TPD of wet waste and 416 TPD of dry waste. In addition, horticulture and green waste generation ranges between 20 TPD to 80 TPD depending on seasonal variations.
- 1.2 To manage the waste stream, BMC has established 36 Micro Composting Centres (MCCs) with a cumulative processing capacity of about 110 TPD for wet waste, and 24 Material Recovery Facilities (MRFs) with a total capacity of approximately 270 TPD for dry waste. However, these decentralized facilities are not sufficient to handle the entire quantum of waste generated in the city.
- 1.3 Out of the total dry waste generated, nearly 85% is processed into Refuse Derived Fuel (RDF), which is currently transported to cement industries for co-processing. This arrangement involves significant transportation and handling costs, thereby placing a financial burden on the Corporation.
- 1.4 BMC has also entered into a Memorandum of Understanding with Oil India Limited for establishment of a 200 TPD Compressed Biogas (CBG) plant, extendable up to 300 TPD, which is expected to be commissioned by April 2027. This facility is envisaged to cater to a portion of the biodegradable waste generated in the city.
- 1.5 To manage surplus wet waste beyond the capacity of MCCs, BMC has developed windrow composting facilities at the Temporary Transfer Stations (TTS) to ensure that waste is processed scientifically and does not reach landfill sites. Additionally, mixed waste is collected from Garbage Vulnerable Points (GVPs) and is being processed to the extent possible using existing infrastructure.
- 1.6 With respect to horticulture and green waste, BMC has finalized a tender for establishment of a 20–25 TPD biomass briquettes facility, which is expected to be commissioned by the end of May 2026. However, this facility is primarily designed to process woody biomass and is not suitable for handling green leaves and other soft horticultural residues.

- 1.7 Despite these efforts, there is presently no dedicated facility for scientific processing of mixed waste and ligno-cellulosic waste fractions such as green waste, leaves, branches, and other biomass residues for conversion into value-added products. This gap necessitates the development of an integrated waste processing facility to efficiently utilize such waste streams and reduce dependency on external disposal mechanisms.
- 1.8 Conversion of suitable fractions of MSW into charcoal is an emerging and sustainable waste-to-resource solution. Through controlled carbonization or pyrolysis processes carried out in oxygen-limited conditions, biomass waste is thermally decomposed to produce charcoal (biochar), along with by-products such as syngas and bio-oil. The resulting charcoal is a smokeless, high-calorific-value fuel that can serve as a renewable substitute for conventional coal in industrial, commercial, and domestic applications.
- 1.9 The MSW-to-Charcoal approach offers multiple environmental and economic benefits, including reduction in landfill burden, mitigation of greenhouse gas emissions, recovery of value from waste, and promotion of circular economy principles. It aligns with the Solid Waste Management Rules, 2016, which emphasize waste processing, recovery, and minimization of landfill disposal.

## 2. OBJECTIVE

The primary objective of the proposed project is to establish a sustainable and efficient system for scientific processing and utilization of municipal solid waste within the jurisdiction of Bhubaneswar Municipal Corporation, for processing it into value-added product such as charcoal. The initiative aims to significantly reduce the waste management burden, minimize environmental pollution, and promote resource recovery through waste-to-wealth practices. By enabling the development of a fully integrated processing facility with adequate infrastructure and operational capabilities, the project seeks to enhance solid waste management efficiency, ensure environmentally sound disposal practices, and generate economic value through optimal utilization of available waste resources.

## 3. PROJECT MODALITIES

### 3.1. Project Overview

- a. Bhubaneswar Municipal Corporation (BMC) proposes to establish a Municipal Solid Waste (MSW) to Charcoal Processing Facility for scientific processing and utilization of municipal solid waste generated within its jurisdiction. The facility shall be designed to process approximately **200 TPD of MSW feedstock for conversion into value-added products, including production of about minimum 50 TPD of charcoal**. The project aims to enable efficient resource recovery from diverse waste streams, including mixed waste, dry waste fractions, RDF, and other combustible components, through environmentally sound processing technologies.
- b. The project shall be implemented on a design, build, finance, operate, and maintain basis, wherein the selected agency shall be responsible for **end-to-end development of the facility through 100% investment**. This shall include **financing, procurement, supply, installation, testing, and commissioning** of all plant and machinery, along with development of complete civil infrastructure, internal utilities, electrical systems including

transformer and distribution network, water supply systems, and all other components necessary for successful implementation and operation of the project.

- c. The selected agency shall also be responsible for **operation and maintenance (O&M) of the facility for the entire project period at its own cost and risk**. The agency shall recover its capital expenditure (Capex) and operational expenditure (Opex) through **sale of charcoal and other by-products, and shall establish necessary market linkages, tie-ups, and off-take arrangements** with industrial users or other end users for commercialization of the outputs.
- d. BMC shall facilitate the project by providing **suitable land up to 4 acres on a license basis** at applicable Government rates along with **assured supply of Municipal Solid Waste feedstock** at the plant gate. External infrastructure support such as electricity connection up to the site (through coordination with TPCODL) and water supply (through the concerned department) shall be facilitated by BMC on applicable terms. Construction of approach road to the project site, if required, may be undertaken by BMC. However, **all internal infrastructure and utilities within the project site**, including internal roads, civil works, electrical systems (such as transformer, wiring, and distribution network), and water supply arrangements, shall be developed, operated, and maintained by the selected agency at its own cost.
- e. The selected agency shall pay a monthly royalty to BMC for utilization of land and processing of municipal solid waste. The selection of the agency shall be based on fulfilment of prescribed technical qualification criteria and the **highest royalty offered** to BMC, ensuring optimal value realization for the Corporation.
- f. **Definition of Municipal Solid Waste:** For the purpose of the proposed waste-to-charcoal facility, Municipal Solid Waste (MSW) shall include all categories of waste generated within the jurisdiction of Bhubaneswar Municipal Corporation, including biodegradable waste, dry waste, mixed waste, horticulture and green waste (such as tree trimmings, branches, leaves, and biomass residues), high-moisture organic waste (including food and kitchen waste), sanitary waste, and Refuse Derived Fuel (RDF) fractions of dry waste, along with other combustible materials having recoverable value. The selected agency shall be responsible for undertaking necessary segregation, pre-processing, drying, and handling of the waste to render it suitable for efficient processing and value recovery through appropriate technologies. However, the scope of MSW for this facility shall expressly exclude Construction & Demolition (C&D) waste, hazardous waste, and bio-medical waste. The agency shall ensure identification, segregation, and safe handling of any such excluded waste inadvertently received in compliance with applicable rules and regulations, while maximizing resource recovery and minimizing landfill dependency.

### **3.2. Scope of the Work: -**

The selected Agency shall be responsible for end-to-end financing, implementation and management of the project for establishment of a Municipal Solid Waste (MSW) to Charcoal Processing Plant in Bhubaneswar Municipal Corporation (BMC) for production of minimum 50 TPD charcoal along with value-added by-products, covering the following key activities:

- I. Design, engineering, fabrication, supply, erection, testing, and commissioning of a modular **200 TPD MSW feedstock Waste-to-Charcoal processing plant** with all allied facilities on a Design-Build-Finance-Operate (DBFO) basis.
- II. Preparation of modular and unit-wise plant design to enable efficient assembly, operation, maintenance, and future scalability.
- III. Provision of all equipment, materials, and services required for efficient functioning of the torrefaction facility and waste segregation system, including basic and detailed engineering.
- IV. Preparation and submission of all engineering documents including drawings, P&ID, mass balance, structural design, civil and architectural drawings, data sheets, and testing procedures.
- V. Execution of all civil, structural, and architectural works including foundations, buildings, internal roads, and associated infrastructure.
- VI. Handle packaging, transportation, customs/port clearance, receipt, storage, preservation, pre-assembly, erection, commissioning, and initial operation of all plant equipment.
- VII. Operation and Maintenance (O&M) of the facility for a period of 15 years (extendable by 5 years) with full responsibility of performance and efficiency.
- VIII. **Compliance with Solid Waste Management Rules, 2016 and amendments** issued from time to time (including latest applicable provisions) as follows: -
  - Segregation of biodegradable and recyclable fractions of MSW.
  - Pre-processing and dehydration of waste for torrefaction.
  - Restriction of landfill disposal to permissible limits.
  - Installation of flue gas cleaning systems for emission control.
  - Recovery of recyclables including ferrous materials.
  - Safe handling and disposal of inert and non-recyclable waste.
- IX. Obtaining all statutory approvals, permissions, and clearances required for establishment and operation of the plant, including but not limited to:
  - Consent to Establish (CTE) and Consent to Operate (CTO) from State Pollution Control Board.
  - Authorization under Solid Waste Management Rules.
  - Industrial use permissions and land-use approvals from competent authorities.
  - Fire safety clearance, electrical safety approvals, and any other statutory permits as applicable.
- X. Design and development of the plant in such a manner as to allow future expansion without requiring additional land.
- XI. Arrangement of all utilities including electricity and water within the plant premises, payment of all applicable charges, duties, and taxes, and maintenance of internal infrastructure.
- XII. Management of evacuation, marketing, sale, and disposal of charcoal and all value-added by-products.
- XIII. Ensuring **odor-free operations**, emission compliance, and maintenance of noise levels within prescribed standards.
- XIV. Provision of suitable storage systems for processed materials, including moisture-controlled facilities for Refuse-Derived Fuel (RDF) or intermediate products.

- XV. Implementation of adequate automation systems to minimize manual handling and ensure safety during operations.
- XVI. Installation and operation of effluent treatment and leachate management systems to prevent environmental contamination.
- XVII. Compliance with all applicable laws, regulations, guidelines of **SPCB/CPCB, CPHEEO Manual, NGT orders, and environmental management and Industrial Safety standards** as amended from time to time.
- XVIII. Submission of all required reports and documents including Feasibility Report/ Detailed Project Report (DPR), and periodic performance reports to BMC for approval and monitoring.
- XIX. Construction of appropriate covered structures and plant buildings designed for operational efficiency and structural safety as per applicable standards.
- XX. Maintenance of all necessary insurances during construction and O&M period, with BMC as co-insured, ensuring timely renewals and compliance.
- XXI. Contribution towards improvement of public health, environmental sustainability, resource recovery, and overall urban waste management efficiency
- XXII. The selected agency shall be solely responsible for safety, health, and welfare of all personnel at site. Any accident, injury, or insurance claim shall be borne and settled by the agency, and BMC shall have no liability whatsoever

### **3.3. Scope of Bhubaneswar Municipal Corporation (BMC)**

- I. Provide suitable land on license basis at applicable Government rates for establishment of the project.
- II. Facilitate site identification through a joint committee comprising representatives of BMC and the selected agency, and finalize the suitable land based on committee recommendations.
- III. Provide site clearance and necessary administrative support for project implementation.
- IV. Facilitate electricity connection up to the plant premises through coordination with TPCODL, on applicable terms.
- V. Facilitate water supply through coordination with the concerned department, on applicable terms.
- VI. Supply municipal solid waste (MSW) including horticulture (green) waste as per availability for processing at the plant.
- VII. Monitor project performance and compliance with applicable rules, standards, and agreement conditions.
- VIII. Extend necessary facilitation support for obtaining statutory clearances, wherever required from Government authorities.

### **3.4. Obligations of the Agency**

- a) The Agency shall submit detailed design, layout, and process flow diagrams/drawings to BMC for approval within 30 days from the date of issuance of Letter of Award (LoA).
- b) The Agency shall ensure that the plant design is compatible with the characteristics and composition of Municipal Solid Waste (MSW) supplied by BMC.

- c) The Agency shall comply with all applicable environmental, safety, structural, fire safety, and statutory standards and regulations as prescribed by competent authorities.
- d) BMC shall provide upto 4 (four) acres of land for the project. The Agency shall be solely responsible for optimal design, construction, and efficient utilization of the allotted land, including development of shed, plant infrastructure, and all associated civil, structural, mechanical, and electrical works, along with utilities such as procurement, installation, and commissioning of transformer and internal systems.
- e) The Agency shall prepare and submit a detailed project implementation schedule, including a Gantt chart, indicating timelines for all key project milestones. Prepare and submit a project implementation schedule with a Gantt chart.
- f) The Agency shall identify, obtain, and submit a comprehensive list of all required statutory approvals, permits, and industrial clearances necessary for establishment and operation of the project
- g) The Agency shall undertake full responsibility for design, engineering, procurement, construction, commissioning, and operation of the plant within the allotted site on an end-to-end basis.

### **3.5. Obligations of Bhubaneswar Municipal Corporation (BMC)**

- i. BMC shall provide up to 4 (four) acre plot of land for the project, to be finalized through joint verification and mutual agreement by both parties.
- ii. Facilitate, if required, coordination with local authorities for statutory approvals, but all approvals, construction, utilities, and operations are the responsibility of the Agency.
- iii. Monitor the project implementation and compliance as needed.

### **3.6. Financing and Investment**

- i. The Agency shall bear 100% capital investment including:
  - a. Machinery and equipment with related civil works;
  - b. Internal electrical, mechanical, and safety systems;
  - c. Operational infrastructure such as conveyors, bins, and control panels.
- ii. No reimbursement, grant, or viability gap funding shall be claimed from BMC.
- iii. The Agency shall indemnify BMC against any financial loss and shall not seek compensation for business losses.
- iv. BMC shall not guarantee quantity, quality, or calorific value of MSW supplied.

### **A. Supply, Installation, and Commissioning**

- i. The Agency shall:
  - a. Execute Agreement within 15 days from the date of Letter of Award (LoA)
  - b. Supply and install all machinery and auxiliary systems within 120 days of design approval.
  - c. Undertake necessary foundation and internal civil works required for machinery installation.
  - d. Complete commissioning within 7 days after installation and conduct a 10-day trial run.

- ii. After successful trial run and BMC's satisfaction, the Commercial Operation Date (COD) shall be declared.

**B. Operation and Maintenance (O&M):**

- i. The Agency shall operate and maintain the plant for a period of 15 (Fifteen) years from COD.
  - a. The O&M responsibilities shall include:
    - Deployment of adequate skilled and unskilled manpower;
    - Preventive and corrective maintenance of machinery and equipment.
    - Maintenance of pollution control systems.
    - Ensuring continuous compliance with statutory norms.
    - Maintaining operational records, production logs, and environmental monitoring reports;
    - Ensuring minimum downtime and optimal plant efficiency.
  - ii. The Agency shall maintain housekeeping, fire safety systems, and overall plant hygiene within the premises.
  - iii. The Agency shall bear all operational costs including electricity consumption beyond the transformer interface point, manpower cost, consumables, spare parts, and insurance.

**C. Marketing and Revenue Generation**

- i. The Agency shall be solely responsible for marketing, sale, and utilization of charcoal, biochar, and other value-added carbon products generated from the facility.
- ii. The Agency shall establish necessary market linkages, off-take arrangements, and commercial channels for disposal/sale of such products at its own cost and risk.
- iii. BMC shall not be responsible for procurement of the products nor provide any assurance towards minimum quantity, marketability, or revenue realization from such products.
- iv. The Agency shall pay royalty to BMC at the rate quoted in the Financial Bid and as stipulated under the terms and conditions of the Concession Agreement.

**D. Environmental and Safety Compliance**

- i. Obtain and maintain all applicable statutory clearances, including Consent to Establish (CTE) and Consent to Operate (CTO) from OSPCB.
- ii. Manage process residue, effluent, and emissions in compliance with Solid Waste Management Rules, 2016 and amendments issued from time to time by the Government, and obtain and comply with all applicable statutory, environmental, and industrial permissions/clearances as required.
- iii. Ensure safety of workers through provision of PPE, training, and insurance.

**E. Manpower and Training**

- i. Deploy qualified engineers, operators, and helpers for round-the-clock operation.
- ii. Training: Provide training to deployed personnel on machine operation, maintenance, and safety protocols.
- iii. Project Manager: Deploy Project Manager having Degree in Mechanical /Chemical/Industrial Process/or any Engineering with minimum 3 years' experience in any manufacturing plant for overall management of the project. The Project manager shall oversee both technical and administrative set up of the project for ensuring smooth and unhindered operation.

## **F. Reporting and Monitoring**

- i. The Agency shall submit periodic operational and performance reports to BMC.
- ii. BMC reserves the right to inspect the facility and verify compliance at any time during the concession period.
- iii. Non-performance, prolonged shutdown, or violation of contractual obligations may attract penalties or termination as per the Agreement.

## **G. IT Monitoring, SCADA and Digital Integration**

- i. The Agency shall install and maintain a comprehensive CCTV surveillance system covering all critical areas of the plant, including waste reception, processing units, storage areas, entry/exit gates, and weighbridge locations, ensuring 24×7 monitoring and recording.
- ii. The Agency shall install an electronic weighbridge system at the facility for accurate measurement of incoming MSW and outgoing products. The system shall generate digital weighment slips with date, time, vehicle details, gross/net weight, and material type.
- iii. The weighbridge system shall be fully automated and integrated with the plant operations, enabling real-time tracking of waste processing and material flow.
- iv. The Agency shall ensure integration of CCTV feeds and weighbridge data with the Integrated Command and Control Centre (ICCC) of BMC, for real-time monitoring, data sharing, and centralized supervision.
- v. The Agency shall implement a **SCADA (Supervisory Control and Data Acquisition) system** for real-time monitoring, control, and automation of plant processes, including waste input, processing parameters, equipment performance, and output generation.
- vi. The Agency shall ensure **integration of CCTV feeds, weighbridge data, and SCADA system** with the Integrated Command and Control Centre (ICCC) of BMC for **real-time monitoring, data sharing, and centralized supervision**.
- vii. The Agency shall maintain a centralized digital data management system/MIS, capturing daily inputs, processing quantities, output (charcoal/by-products), downtime, and operational parameters, with access to BMC.
- viii. All systems shall have data storage, backup, and cybersecurity provisions, ensuring minimum data retention as per applicable norms and protection against data loss or tampering.
- ix. The Agency shall ensure continuous functionality, maintenance, and calibration of all IT-enabled monitoring systems, including CCTV and weighbridge, throughout the concession period.
- x. BMC shall have the right to access, monitor, and audit all digital records and live feeds at any time for verification and compliance purposes.

## **3.7. Payment Mechanism and Royalty**

- i. The Agency shall collect revenues from Charcoal/biochar sales directly from consumers.

- ii. The Agency shall make payment of royalty to BMC on per Metric Ton (MT) basis of Municipal Solid Waste (MSW) feedstock processed at the facility, as quoted in the Financial Bid and approved by BMC.
- iii. Late payment of Royalty shall attract interest at 12% per annum for the delayed period.
- iv. BMC reserves the right to audit the Agency's records for verification of sales
- v. The Royalty may be revised to an extent of 5% after every 3 years from COD based on mutual consent or as per provisions of the Agreement.
- vi. Any escalation in market price of Charcoal/biochar beyond 10% annually shall be notified to BMC. Any failure shall lead to non-disclosure of facts and administrative action as deemed fit by the Authority shall be taken

### 3.8. Performance Security & Insurance

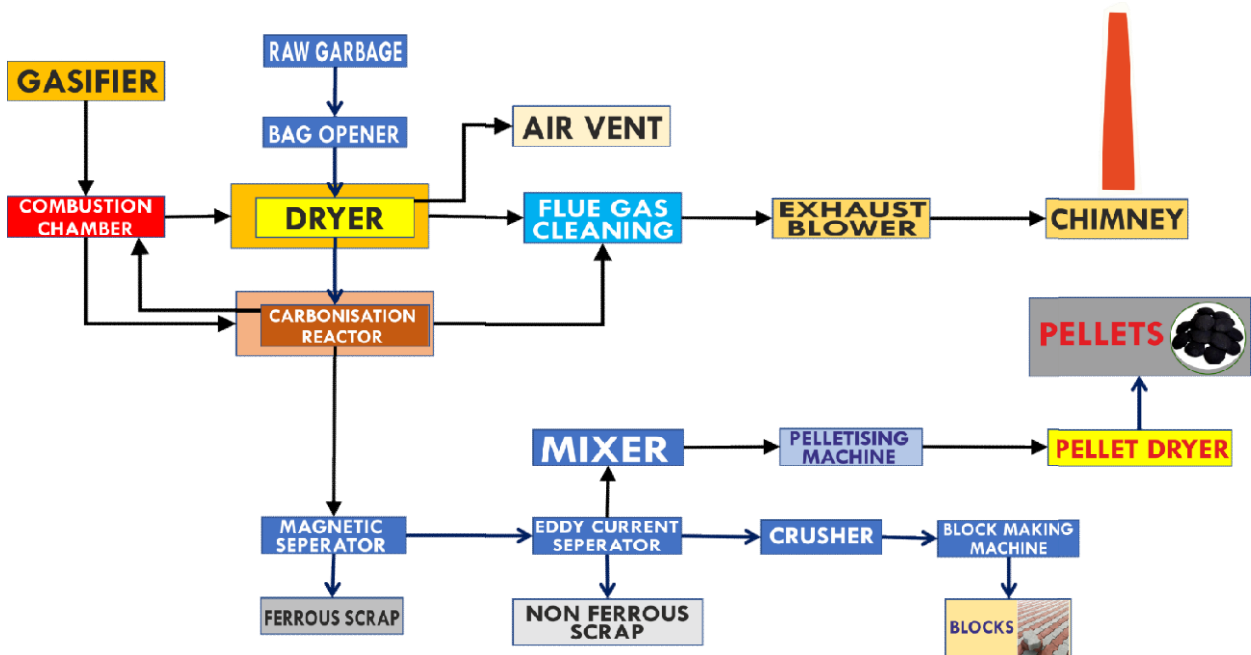
- i. The selected Agency shall furnish a Performance Security equivalent to 5% of the estimated total Contract Value of the project, calculated based on the quoted royalty per Metric Ton (MT) of Municipal Solid Waste (MSW) feedstock processing quantity annually.
- ii. It shall remain **valid until 6 months after expiry** of the Concession Period.
- iii. The Security may be **forfeited** in case of default or termination.
- iv. The Agency shall maintain **comprehensive insurance** covering:
  - Machinery and equipment,
  - Third-party liability,
  - Workmen compensation, and
  - Fire/natural calamity risks.
- v. Proof of insurance shall be submitted **annually** to BMC.

### 3.9. Risk and Responsibility Matrix:

Risk Category	Responsibility	Remarks
Land and site availability	BMC	BMC shall provide suitable land on license basis with necessary site clearance, to be finalized through joint verification by both parties based on committee recommendations.
Design and construction risk	Agency	Includes design, engineering, civil works, machinery supply, installation, and commissioning of the plant.
Financing risk	Agency	Entire project investment shall be borne by the Agency (100% private investment).
Feedstock supply risk	BMC	BMC shall ensure supply of Municipal Solid Waste (MSW), primarily biodegradable and horticulture (green) waste, suitable for processing.
Operation and maintenance	Agency	Agency shall be responsible for operation and maintenance of the plant throughout the concession period.

Market risk (sale of charcoal/biochar)	Agency	The entire market risk associated with sale and marketing of charcoal/biochar and other by-products shall rest solely with the Agency. The Agency shall independently manage the sale/marketing of such products and shall pay the agreed royalty to BMC as per the terms of the Agreement.
Environmental and safety compliance	Agency	Agency shall obtain and comply with all applicable statutory, environmental, safety, and industrial clearances/permissions as per prevailing laws and regulations.
Technology Risk	Agency	Agency shall opt for modern state of art technology that would ensure technical feasibility to meet the requisite purpose

### 3.10. Flow Chart Showing Process of Municipal Solid Waste (MSW) to Charcoal Processing Facility



### 3.11. Performance Standards

- i. The Agency shall ensure continuous and efficient operation of the Waste-to-Charcoal Plant as per the Key Performance Indicators (KPIs) specified in Clause 3.7.
- ii. The performance shall be assessed based on:
  - a. Quantity and quality of charcoal produced as per specifications.

- b. Plant uptime and frequency of maintenance, ensuring minimal downtime.
- c. Feedstock utilization efficiency, maximizing conversion of organic/biodegradable waste into charcoal.
- d. Compliance with environmental, emission, odor, and safety standards.
- e. Timely submission of operational reports, documentation, and any applicable royalty payments.

**3.12. Performance Monitoring Mechanism**

- i. BMC may appoint an independent party to monitor project implementation, operation, and performance.
- ii. The Independent party shall:
  - a. Review monthly and quarterly performance reports submitted by the Agency.
  - b. Conduct random inspections and audits of production data, energy use, and environmental compliance.
  - c. Verify KPI compliance for release of performance-linked payments or imposition of penalties.
- iii. The Agency shall provide unrestricted access to the facility, records, and data to BMC or its authorized representative.

**3.13. Penalties and Deductions**

- i. Failure to achieve the minimum performance levels shall attract the following penalties:

Parameter	Minimum Standard	Penalty for non-compliance
Plant Uptime < 90%	Each 10% shortfall	Rs. 2000 per day + Recovery of cost of processing by BMC
Environmental violation	Any occurrence	Rs. 50,000 per violation
Utilization of the Project site for purpose other than the subject work	Any occurrence	Rs. 1,00,000/- + Cost towards clearance of the site

- ii. Persistent non-performance for three consecutive months shall be considered an Event of Default under this Agreement.

**3.14. Tariff Framework**

- i. The Agency shall have the right to determine the sale price of charcoal/biochar in accordance with prevailing market conditions.
- ii. However, such tariff shall:
  - a. Be competitive and transparent;
  - b. The Concessionaire may be allowed adequate commercial flexibility for sale of the products at prevailing market rates, based on market dynamics and commercial viability
  - c. Be declared to BMC in advance and updated annually.

### **3.15. Events of Default**

This Agreement may be terminated upon occurrence of any of the following events:

#### **i. Agency Default**

- a. Failure to commence commercial operation within 120 days of LoA.
- b. Failure to pay revenue share for 3 consecutive months.
- c. Violation of environmental norms or non-compliance with statutory clearances.
- d. Abandonment or prolonged closure (>30 days) of the plant.
- e. Gross misconduct of the Agency/ Firm:
  - i. Despite previous warning from the Competent Authority, in writing, is otherwise persistently or flagrantly neglecting to comply with any of his obligations under the Contract;
  - ii. The Agency persistently fails to follow Good Operating Practices in execution of the Contract;
  - iii. The Agency/ Firm stops providing the operations and the stoppage has not been authorized by the Competent Authority;
  - iv. The Competent Authority gives notice that failure to correct a particular defect is a fundamental breach of contract and Agency fails to correct it within a reasonable period determined by the Competent Authority;
  - v. If the Agency/Firm is in breach of any law or statute governing the operations;
  - vi. The Agency/ Firm, in the judgment of the Corporation, has engaged in Corrupt and Fraudulent Practices in competing for or in carrying out the Operations under the Contract;

#### **ii. BMC Default**

- a. Failure to provide land or feedstock within 180 days from COD as per Clause 3.4.
- b. Delay in granting approvals beyond 60 days.

### **4. Force Majeure Event**

Any of the following events which is beyond the control of the party claiming to be affected thereby ("Affected Party"), and which the Affected Party has been unable to overcome or prevent despite exercise of due care and diligence, and result in Material Adverse Effect shall constitute Force Majeure Event:

- a) Earthquake, flood, inundation, and landslide;
- b) Storm, tempest, hurricane, cyclone, lightning, thunder or other extreme atmospheric disturbances;
- c) Fire caused by reasons not attributable to the contractor or any of the employees, or agents of the contractor.
- d) Acts of terrorism
- e) Strikes, labor disruptions, any other disruptions or public unrest not arising on account of acts of the contractor.

- f) Action of government agencies having material adverse effect, including but not limited to
  - i. Acts of expropriation compulsory acquisition or take over by any government agency of the site facilities or any part thereof
  - ii. Any judgment or order of a court of competent jurisdiction or statutory authority in India made against the contractor in any preceding, which is non-collusive and duly prosecuted.
  - iii. Any unlawful, unauthorized or without jurisdiction refusal to issue or to renew or the revocation of any applicable permits, in each case for reason other than the contractor's breach or failure in complying with the rule and O&M requirements defined in the contract, applicable laws, applicable permits, any judgment or order of any government agency or of any contract by which the contractor is bound.
  - iv. Early termination of this agreement by BMC for reason of national emergency or national security.
    - a. War, hostilities (whether declared or not), invasion, act of foreign enemy, rebellion, riots, weapon conflict or military actions, civil war, ionizing radiation, contamination by radioactivity from nuclear fuel, any nuclear waste, radioactive toxic explosion, volcanic eruptions.
    - b. Strikes, work to rule actions, go slow or similar labour difficulty in the city as a whole and not specific to the work.
    - c. Any resistance from the citizens or any other groups not allowing to perform the project/work as stipulated in the tender.

#### **4.1. Termination Due to Force Majeure**

Both parties shall be excused from performance if prevented due to Force Majeure events (natural disasters, war, civil disturbance, etc.). The concession period may be extended equivalent to the disruption period.

#### **4.2. Termination Payments**

Upon termination:

- i. If terminated due to Agency Default, BMC shall not pay any compensation; the assets shall vest in BMC without encumbrances.
- ii. If terminated due to BMC Default, BMC shall pay to the Agency 90% of the depreciated value of the assets provided that the Assets have been installed and operated for at least a period of 1 year.
- iii. If terminated due to Force Majeure, both parties shall bear their own losses.

#### **4.3. Handback requirements**

- i. Six (6) months prior to expiry of the Concession Period, the Agency shall submit a Handback Plan detailing condition of assets, maintenance record, and compliance status.
- ii. All plant and equipment shall be handed over in good working condition and free from encumbrances.

iii. BMC shall verify the assets and issue a Handback Certificate within 60 days of inspection.

**4.4.** The RFP/Concession Agreement providing BMC with the option either to take over the Plant & Machinery at the depreciated book value on mutually agreed terms or to direct the Concessionaire to dismantle and remove the equipment from the project site in case the same is not required by BMC after completion of the concession period.

**4.5. Dispute resolution**

- i. In the event of any dispute, difference, or claim arising out of or in relation to this Agreement, including its interpretation, performance, or termination, the Parties shall first endeavor to resolve the same amicably through mutual discussions.
- ii. Either Party may issue a Notice of Dispute to the other Party, specifying the nature of the dispute and the relief sought.
- iii. The Parties shall meet within 30 (thirty) days of such notice to attempt amicable settlement.
- iv. This Agreement shall be governed by and construed in accordance with the laws of India.
- v. Subject to the provisions of Amicable Settlement, it is expressly agreed that the Courts of competent civil jurisdiction at Bhubaneswar and the High Court of Orissa at Cuttack shall have exclusive jurisdiction over all matters arising out of or in connection with this Agreement.
- vi. The Agency expressly waives any objection to such jurisdiction and agrees not to claim that such forum is inconvenient or otherwise inappropriate.

**4.6. Miscellaneous provisions**

- i. **Governing Law:** This Agreement shall be governed by and construed in accordance with the laws of India.
- ii. **Amendments:** No modification shall be valid unless made in writing and signed by both parties.
- iii. **Assignment:** The Agency shall not assign or transfer its rights or obligations without prior written approval of BMC.
- iv. **Notices:** All communications shall be in writing and delivered to the designated addresses of both parties.
- v. **Confidentiality:** The Agency shall maintain confidentiality of data, reports, and operational information obtained during the concession period.

**5. Minimum Eligibility Criteria**

To be eligible for pre-qualification and short-listing for evaluation of Financial Bid, the agency shall fulfill the following eligibility conditions.

**A. General Eligibility Criteria:**

- i. The Applicant must be a legal entity registered as a Company/Partnership Firm/Limited Liability Partnership in relevant Act.
- ii. The Applicant should not have been blacklisted, debarred or pre-maturely terminated in

within last three (3) years from the last date of submission of bid by any Department in any State or Central Government. For avoidance of doubt, in case the applicant is blacklisted or debarred by any Government Authority and such blacklisting or debarment is subsequently revoked by the said Authority, then in such a case, it shall be presumed that such blacklisting or debarment ceases to exist and the proposal of the applicant shall be duly evaluated as prescribed under this Tender.

**Note:** It shall be the primary responsibility of the intending bidders to ensure correct submission of information. Any failure to submit correct information, non-compliance to any of the bid conditions, any suppression of information or misrepresentation of facts, etc. shall make the bid liable to be declared non-responsive and disqualified. Further, the Authority may take appropriate action for blacklisting such bidders for a period of three years after following due process of law.

## **B. Technical Eligibility Criteria**

The Applicant must have successfully implemented and commissioned at least one (1) Waste-to-Value project based on thermo-chemical processing technologies such as Waste-to-Charcoal/Biochar, Pyrolysis, Gasification or Waste-to-Energy (WtE) during the last seven (7) years preceding the Proposal Submission Date, with a minimum processing capacity of 100 TPD of Municipal Solid Waste (MSW) under a single project.

The Applicant may have participated in such project as a Project Developer, Investor, EPC Contractor, Concessionaire, Operator, or any combination thereof. Applicants acting as EPC Contractors shall also be considered eligible provided, they have successfully executed and commissioned at least one project of similar nature and capacity.

The Applicant must have had implementation responsibility in the project through investment, execution, commissioning, operation, concession, EPC, or contractual arrangements. Projects implemented under private funding, Government funding, grants, viability gap funding (VGF), or any other financial support mechanism shall be considered eligible.

However, entities engaged solely as equipment suppliers, traders, consultants, or service providers without responsibility for implementation, commissioning, or operation of the project shall not be considered eligible.

The project cited as eligible experience must be commissioned and operational, with evidence of commercial operation and revenue generation from output products such as charcoal, biochar, syngas, electricity, or other value-added products.

The Applicant should also have experience in operation and maintenance (O&M) of the project either directly or through contractual engagement in the executed project.

### **Note:**

In case the bidder is operating its own facility, the following documents shall be submitted as proof of establishment and operations related to MSW-to-charcoal processing:

- Udyam Registration Certificate (MSME) indicating activity related to solid waste processing / waste-to-energy / Waste-to-CBG Plants/ waste-to-charcoal.
- Factory License / Trade License issued by the competent local authority (Municipal Corporation / DIC / etc.) for waste processing activities,
- Consent to Establish (CTE) and Consent to Operate (CTO) from the State Pollution Control Board (SPCB) for handling and processing of municipal solid waste,
- Land ownership / lease/license agreement for the project site,
- Work order or Agreement for establishment of the facility
- Purchase Orders / commissioning documents / operational records indicating the date of establishment and commencement of MSW processing and charcoal production.
- CA Certificate certifying establishment operation, maintenance and generation of Revenue out of the said facility.

### C. Financial Eligibility Criteria

- The Applicant must have a turnover of more than Rs. 5.00 crores in the last 3 Financial Years i.e. 2022-23, 2023-24 and 2024-25.
- The Applicant should have minimum net worth of Rs. 1.50 crores as on 31.03.2025.

#### Note:

- The Agency shall submit the Audited Balance Sheet and Profit & Loss Statement for the last 3 (Three) Financial Years i.e., FY 2022-23 FY 2023-24 and FY 2024-25 duly certified by Statutory Auditor or Chartered Accountant with valid UDIN no.
- Certificate from Chartered Accountant or Statutory Auditor.

### 6. Technical Evaluation Criteria

Sl. No	Specific experience of the Bidder firm	Max. Marks (100)
1.	Average Annual Turnover of last 3 consecutive years i.e., 2022-23, 2023-24 & 2024-25 (As per the bank / CA statement)	15 marks
a)	Turnover more than Rs. 5 Crores – 6.0 Crores- 10 Marks	
b)	Turnover more than Rs. 7.0 Crores – 15 Marks	
2.	The Applicant should have minimum Net worth of Rs. 1.50 crores as on 31.03.2025.	10 Marks
a)	Rs. 1.50 Crores – 5 Marks	
b)	More than Rs. 1.50 Crores – 10 Marks	
2.	Experience in implementing waste-to-value projects based on thermo-chemical technologies such as Waste-to-Charcoal/Biochar, Pyrolysis, Gasification, or Waste-to-Energy (WtE) with minimum 100 TPD Municipal Solid Waste (MSW) feedstock capacity, undertaken as project developer, investor, long-term operator, and/or EPC contractor for establishment	15 Marks

	and commissioning of Waste-to-Charcoal/Biochar projects.	
a)	1 Project Experience- 10 Marks	
b)	More than 1 Project Experience- 15 marks	
<b>3.</b>	Experience in operation & maintenance of eligible MSW-based projects such as Waste-to-Charcoal/Biochar, Pyrolysis, Gasification, WtE (including govt-funded / PPP projects) and EPC-executed Waste-to-Charcoal/Biochar projects.	<b>10 Marks</b>
a)	0–1-year experience- 7 Marks	
b)	More than 1 year experience-10 Marks	
<b>4.</b>	Highest capacity of a single MSW-based project handled (input feedstock basis) for eligible projects Waste-to-Charcoal/Biochar, Pyrolysis, Gasification, WtE	<b>10 Marks</b>
a.	100 to 250 TPD MSW Feedstock capacity- 7 Marks	
b.	More than 250 TPD MSW Feedstock capacity -10 Marks	
<b>5.</b>	Specific Experience in implementing and/or operating Waste-to-Charcoal / Biochar projects (MSW or biomass-based)	<b>10 Marks</b>
<b>6.</b>	Technical Presentation	<b>30 Marks</b>
	Approach & Methodology through technical presentation. The Presentation shall be made by the Authorized representative/s of the Applicant on a scheduled date and time to be intimated by Bhubaneswar Municipal Corporation to be held at the 4 <sup>th</sup> Floor Conference Hall of BMC-ICOMC building at Unit-IX, Bhubaneswar-751022. No request towards presentation on virtual mode shall be entertained. The entire cost towards to visit to BMC office for making presentation physically shall be borne by the Applicants	

## **7. Evaluation of Technical Proposal:**

- i. The Minimum Eligibility Criteria shall be scrutinized vis-à-vis the documents submitted to determine the eligibility of the Applicants and the applicant fulfilling the same shall be eligible for next round of technical evaluation i.e. determination of technical score. BMC during the process of evaluation shall have the discretionary right to seek clarifications and documents that has been issued prior to the last date of submission of bids. The Applicants shall be bound to submit the requisite clarification within the due date and time specified in the letter issued by BMC. Non-submission of the same shall within the due date and time shall be deemed as failure on the part of Applicant and BMC may decide on to rejection of the bids. Further, mere submission of clarifications shall not be deemed to make the

- applicant eligible and is subject to further scrutiny and interpretation by BMC.
- ii. The Applicants cannot claim to have rights for intimation of their rejection during the evaluation process and the final shortlisted bidders decided by BMC for financial bid opening shall be uploaded in the e-tender portal.
  - iii. The evaluation of technical score shall be done during second round of bidding and the applicants meeting the minimum eligibility criteria only shall be called upon for presentation on a date and time as communicated by BMC. BMC shall accept no liability for failure on the part of the representatives of the Applicant to be present during the scheduled date and time for any reason whatsoever and a separate date for the same will not be provided.
  - iv. The Applicant who achieves the score of **70 out 100 marks** in technical evaluation shall be eligible for opening of financial proposal.
  - v. The marks to be awarded in the presentation shall be subjective in nature and shall rely upon the prudence of each committee members awarding the mark. The Average of marks awarded by each Committee member shall be considered as the final score towards presentation out of 30 marks assigned to the Applicant.

## **8. Validity of Bid**

Proposal shall remain valid for 180 (One Hundred and Eighty) days from the last date of submission. A proposal valid for a shorter period shall be rejected as non-responsive.

## **9. Corrupt and Fraudulent Practice**

- a. Bhubaneswar Municipal Corporation believes that contractors observe highest standard of ethics during execution of the contract.
- b. Bhubaneswar Municipal Corporation will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.

## **10. Acknowledgement of Agency**

It shall be deemed that by submitting the Proposal, the Agency has gone through the scope of work and other stipulations in detail; and

- a. Made a complete and careful examination of the requirements for the project, details mentioned in RFP, general condition of contract, submission formalities and evaluation mechanism.
- b. Received all relevant information requested from BMC.
- c. Acknowledged and accepted the risk of inadequacy, error or mistake in the information provided in this invitation document or furnished by or on behalf of BMC.
- d. Satisfied itself about all matters, things and information necessary and required for submitting the proposal and performance of all of its obligations there under.
- e. Agreed to be bound by the undertaking provided by it under and in terms hereof.

BMC shall not be liable for any omission, mistake or error on the part of the Agency in respect of any of the above or on account of any matter or thing arising out of or concerning

or relating to this invitation document or the selection process, including any error or mistake therein or in any information or data given by the BMC.

## 11. Right to Reject any or All Proposals

Notwithstanding anything contained in this invitation document, BMC reserves the right to accept or reject any proposal and to annul this selection process and reject all proposals, at any time during the bidding process without any liability or any obligation for such acceptance rejection or annulment, and without assigning any reasons thereof.

BMC, also, reserves the right to reject any Proposal if:

- i at any time, a material misrepresentation is made or uncovered, or
- ii the agency does not submit in time any information or clarification asked for

## 12. Documents Comprising

### A. Envelop -1: Technical Proposal

The Agency must submit the following particulars / documents along with the technical proposal failing which the proposal may be treated as non-responsive:

- 1.1. The bid must be accompanied by a non-refundable Document Fees of **Rs.10,000/- (Rupees ten thousand)** only in the form of a Demand Draft drawn in favour of “Commissioner, Bhubaneswar Municipal Corporation” payable at Bhubaneswar.
- 1.2. A refundable EMD of **INR 5,00,000/- (Rupees Five lakh) only** in the form of a Demand Draft drawn in favour of “Commissioner, Bhubaneswar Municipal Corporation”, payable at Bhubaneswar.
- 1.3. The EMD shall be valid till the validity of the bid. **NO EXEMPTION FROM SUBMISSION OF EMD AND BID PROCESING FEE IS ALLOWED.**
- 1.4 Proposals without the EMD and document fee shall be treated as non-responsive and shall be summarily rejected. No interest shall be payable on such EMD by the government.
- 1.5 The EMD of the successful Bidder will be returned when the Bidder has signed the Agreement and furnished the required Performance Security Deposits.
- 1.6 The EMD of unsuccessful bidders shall be returned after acceptance of the Letter of Work Order by the Successful Bidder or within 30 days of opening of the financial bid whichever is later.
  - i Covering Letter and Details of Agency as per **Annexure I and II**, respectively
  - ii The Agency shall submit their Public Limited Company/ Private Limited Company/Limited Liability Partnership firm/ Partnership firm/Proprietorship Firm/Societies/Trust registered under relevant Act certificate, Photocopy of PAN Card, GST Registration, CIN etc.
  - iii All pages of the tender document shall be initialed by the authorized signatory who signed the bids. *Power of Attorney (on stamp paper of Rs 100) duly notarized has to be submitted in support of this* as per **Annexure III**

- iv The Agency should not be blacklisted by any Government Institution. An affidavit duly notarized on a stamp paper for non-blacklisting shall be submitted as per **Annexure IV**.
- v The Agency shall submit an Undertaking on correctness of details / information shared in the proposal as per **Annexure V**.
- vi Proof of work experience of similar nature in the form of Work-Orders and Client Certificates issued from the organizations in each such case has to be submitted in the format mentioned as per **Annexure VI**.
- vii The agency shall submit a Minimum Machinery/equipment Requirement for MSW to Charcoal Processing Plant as per **ANNEXURE-VII**
- viii The agency shall submit a Financial Project Cost Summary for Understanding the Project Cost **ANNEXURE-VIII**.
- ix Balance Sheets and Profit & Loss Statements for the last three (3) Financial Year duly certified by Chartered Accountant with valid UDIN no. indicating the Annual Turnover for the mentioned years as per **Annexure IX**.

*Note: The Agency must submit a detailed **Index Page** with clearly mentioning the Page Numbers on each Document as required by this RFP.*

#### **B. Envelop -2: Financial Proposal**

The Agency must submit the Financial Proposal as per format provided in **Annexure IX**.

#### **C. SUBMISSION OF PROPOSAL – PACKING, SEALING, MARKING**

- i Duly Sealed Proposal from the Agency filled in all respect must reach BMC at the address, time and date specified in the RFP through Speed/Regd. Post/ Courier/hand delivery.
- ii The Technical Proposal and Financial proposal must be inserted in separate sealed envelopes, along with Agency's name and address in the left-hand corner of the envelope and super scribed in the following manner.

##### **Envelop 1:**

**Technical Proposal for Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation**

##### **Envelop 2:**

**Financial Proposal for Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.**

Both the envelopes i.e. Envelope-1 and Envelope-2 must be packed in a separate sealed outer cover and clearly super scribed with the following:

**“SELECTION OF Agency for Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation**

The **Agency's** Name & address shall be mentioned in the left-hand corner of the outer envelope. The inner and outer envelopes shall be addressed to BMC at the following address:

To

The Dy. Commissioner (Sanitation)  
Bhubaneswar Municipal Corporation,  
BMC-ICOMC Building, Satya Nagar,  
Opposite Satya Nagar Kali Temple, Bhubaneswar- 751 022

**Note:**

- i. If the outer envelope and the financial proposal envelope is not sealed and not marked as mentioned above, then BMC will assume no responsibility for the tender's misplacement or premature opening.
- ii. Telex, Email, cable or facsimile tenders will be rejected.
- iii. The opening of the Financial Proposal shall be made after evaluation of technical proposal and as per the scheduled dates which shall be intimated by BMC to the eligible Agencies.
- iv. Agencies are advised to prepare their documents with proper sequence and indexing, page numbering without which the bid shall be considered non-responsive.

**13. Amendment / Modification**

At any time prior to the deadline for submission of Proposal, the BMC may, for any reason, whether at its own initiative or in response to clarifications requested by an agency, modify/delete any of the terms mentioned in this RFP document by the issuance of Addendum/Corrigendum. All such addendum/ corrigendum will be uploaded from the official website of BMC i.e. <https://www.bmc.gov.in/> . and will be binding for all bidders. In order to abide by the issuance of the addendum/ corrigendum or allow the agency for giving a reasonable time for considering an amendment into their proposal, or for any other reason, BMC may, in its sole discretion, extend the Proposal Due Date.

**14. Language**

The Proposal and all communications in relation to or concerning the selection process shall be in English language and strictly in the formats provided in this invitation document.

**15. Late Submission**

Proposal received after the deadline for submission prescribed by BMC will not be entertained and shall be rejected.

**16. Consortium / Joint Venture / Sub Contracting**

Agencies are NOT allowed to form consortium / Joint Venture / Sub contracting for participating in the bid or execution of the contract.

**17. Modifications and Withdrawal of Proposals**

No modifications to the Proposals shall be allowed once the technical proposal is opened by BMC.

## ANNEXURE-I: COVER LETTER

(On the Letterhead of the Agency)

To,  
The Commissioner  
Bhubaneswar Municipal Corporation  
ICOMC Tower Janpath Road,  
Satya Nagar, Bhubaneswar -751022

Date:

Ref: Request for Proposal (RFP) For **“Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.”**

1. With reference to your RFP document\_\_\_\_, dated\_\_\_\_, I/We, having examined the RFP Documents and understood their contents, hereby submit my / our proposal for the subject RFP. The Proposal is unconditional and unqualified.
2. I/We acknowledge that the Authority will be relying on the information provided in the Proposal and the documents accompanying the proposal for selection of the Agency, and we certify that all information provided in the proposal and its Annexures along with the supporting documents are true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the proposal are true copies of their respective originals.
3. This statement is made for the express purpose of our selection as Agency for the and execution of the aforesaid Project.
4. I/We shall make available to the Authority any additional information it may find necessary or require supplementing or authenticate the Proposal.
5. I/We acknowledge the right of the Authority to reject our Proposal without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
6. I/We certify that in the last three years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
7. I/We declare that:
  - (a) I/We have examined and have no reservations to the Bidding Documents, including any Addendum issued by the Authority; and
  - (b) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the RFP document, in respect of any tender or request for proposal issued by or any Agreement entered into with the Authority or any other public sector enterprise or any government, Central or State; and
  - (c) I/We hereby certify that we have taken steps to ensure that in conformity with the provisions of the RFP, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice;
  - (d) the undertakings given by us along with the Proposal in response to the subject RFP and

information mentioned for the evaluation of the bid capacity were true and correct as on the date of making the Proposal and are also true and correct as on the Proposal Due Date and I/We shall continue to abide by them.

8. I/We understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any BID that you may receive nor to invite the Agencies to BID for the Project, without incurring any liability to the Agencies, in accordance with the RFP document.
9. I/We certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Projector which relates to a grave offence that outrages the moral sense of the community.
10. I/We undertake that in case due to any change in facts or circumstances during the Bidding Process, we are attracted by the provisions of disqualification in terms of the guidelines referred to above, we shall intimate the Authority of the same immediately.
11. I/We have studied all the Bidding Documents carefully and also surveyed the website of BMC. We understand that except to the extent as expressly set forth in the Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by the Authority or in respect of any matter arising out of or relating to the Bidding Process including the award of Agreement.
12. I agree and understand that the Proposal is subject to the provisions of the Bidding Documents. In no case, I shall have any claim or right of whatsoever nature if the Project not awarded to me or our Proposal is not opened or rejected.
13. The Financial Proposal has been quoted by me after taking into consideration all the terms and conditions stated in the RFP, draft Agreement, our own estimates of costs and after a careful assessment of the website and all the conditions that may affect the implementation cost.
14. I agree and undertake to abide by all the terms and conditions of the RFP document.
15. I shall keep this offer valid for 180 (One Hundred Eighty) days from the Proposal Due Date specified in the RFP.
16. I hereby certify that we have not changed any quantity as mentioned in the financial figures and confirm that any discrepancy arrives at any time, decision of Authority (BMC) will be considered as final.
17. I hereby submit our Proposal and quote an amount as indicated in Financial Proposal for undertaking the aforesaid Project in accordance with the Bidding Documents and the Agreement.

In witness thereof, I submit this Proposal under and in accordance with the terms of the RFPdocument.

Yours faithfully,

Date:

(Signature, name and designation)

Place:

**of the Authorized signatory with name & seal)**

## **ANNEXURE-II: DETAILS OF AGENCY**

- (a) Name of the Agency:
- (b) Legal Status of the Agency (i.e. Company or Partnership):
- (c) Registered Office Address with telephone, fax, website and email:
- (d) Date of Incorporation (Please attach copy of certificate of incorporation/ Registration):
- (e) Name of the contact Person (Authorized Signatory):
- (f) Designation:
- (g) Mobile Number & Telephone Number:
- (h) E-mail Address:
- (i) Fax Number:
- (j) GST Registration number:
- (k) PAN :
- (l) Average Annual Turnover:

Duly signed by the Authorized Signatory of the Agency  
(Name, Title and Address of the Authorized Signatory)

**ANNEXURE-III: POWER OF ATTORNEY FOR SIGNING OF PROPOSAL**

Know all men by these presents, We.....(name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr. / Ms. (name),.....son / daughter / wife of.....and presently residing at... ..who is (presently employed with us and holding the position of.. .., as our true and lawful attorney (hereinafter referred to as the “Attorney”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for the **“Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation** Proposed to be developed by Bhubaneswar Municipal Corporation including but not limited to signing and submission of all Bids / Proposals, bids and other documents and writings, participate in pre-bids / pre-proposal and other conferences and providing information / responses to BMC, presenting us in all matters before BMC, signing and execution of all contracts including the Agreement and undertakings, consequent to acceptance of our bid, and generally dealing with BMC in all matters in connection with or relating to or arising out of our bid, for the said Project and/ or upon award thereof, to us and / or till the completion of the project.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us and shall be binding on us.

IN WITNESS WHEREOF WE, \_\_\_\_\_, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS \_\_DAY OF \_\_\_\_, 20\_\_

For

..... Accepted

\_\_\_\_\_ (signature) (Name, Title and Address) of the Attorney *Note:*

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*
- *Wherever required, the Agency should submit for verification the extract of the charter documents and documents such as a board or shareholders’ resolution / power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Agency.*

**ANNEXURE-IV (NOTARIZED AFFIDAVIT ON STAMP PAPER)**

**Format for Declaration by the Bidder on Blacklisting and Termination**

I/We hereby declare that I/we including our subsidiary or associate companies have never been Blacklisted, debarred or pre-maturely terminated in any SWM related contract/tender within last two (2) years from the last date of submission of bid by any Department in any State or Central Government or any Central Government Agency in India.

In case the above information found false we are fully aware that the tender/ contract may be rejected / cancelled by BMC and EMD/PBG shall be forfeited.

Duly signed by the Authorized Signatory of the Agency  
(Name, Title and Address of the Authorized Signatory)

## ANNEXURE-V: UNDERTAKING

(On the Letter Head of the Agency)

Date:

To,  
The Commissioner  
Bhubaneswar Municipal Corporation  
ICOMC Tower, Satya Nagar  
Bhubaneswar - 751007

Ref: **“Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.”**

Dear Sir,

We have examined in detail and have understood the terms and conditions stipulated in the RFP issued by BMC. Our Proposal is consistent with all requirements of submission as stated in the RFP or in any of the subsequent communication issued by the BMC. We would be solely responsible for any errors or omissions in our Proposal.

We hereby declare that we have read and understood the rules governing the development of project as given above, examined and understood and satisfied ourselves regarding the content of the various agreements, declarations and deeds to be executed and do hereby undertake to execute them when called upon to do so, and commit in unequivocal terms, in letter and spirit, that the project shall be implemented as per the comprehensive stipulations and requirements that have been spelt out by the BMC, in this RFP and Bidding Documents including adherence to the areas / capacities / specifications / regulations as have been detailed by the BMC in this regard.

Duly signed by the Authorized Signatory of the Bidder

(Name, Title and Address of the Authorized Signatory)

**ANNEXURE-VI: PROJECT CREDENTIALS**

Sl. No	Name of the ULB with Address & Contact Details	Type of Assignment	Work Order or Purchase Order No.	Contract Period		Total duration of the contract (in Month)	Contract Value	Description of the Project	Type of Documents attached as Proof	Page no. with Remarks
				From	To					

*\*Please use separate sheet if required.*

Duly signed by the Authorised Signatory of the Agency  
(Name, Title and Address of the Authorised Signatory)

*Note: Documentary proof (copy of Agreement / Work Order / Completion Certificate etc of related project) with project citation*

**ANNEXURE-VII (Minimum Machinery/equipment Requirement for MSW to Charcoal Processing Plant)**

<b>Sl. No.</b>	<b>System / Section</b>	<b>Machinery / Equipment</b>	<b>Description / Purpose</b>
1	<b>Waste Reception &amp; Pre-processing</b>	Tipping Floor / Receiving Platform	Unloading and initial storage of MSW
2		MSW Hopper	Controlled feeding of waste
3		Conveyor System (Feed, Discharge, Inert, Metal)	Transfer of waste and materials between stages
4		Trommel Screen / Sieve	Segregation of waste by size
5		Magnetic Separator	Removal of ferrous materials
6		Eddy Current Separator	Removal of non-ferrous metals
7		Sorting Line	Segregation of recyclables and inert materials
8	<b>Size Reduction System</b>	Primary Shredder	Reduction of bulky waste
9		Secondary Shredder	Uniform sizing for processing
10	<b>Drying System</b>	MSW Dryer / Rotary Dryer	Moisture reduction of waste
11		MSW Dryer Conveyor	Feeding material into dryer
12		Feeding Hopper with Dosing System	Controlled feeding into reactor
13	<b>Torrefaction / Carbonization</b>	Reactor / Carbonization Unit	Conversion of MSW into charcoal
14		Reactor Feed & Discharge Conveyor	Material handling in reactor
15		Heating System	Controlled thermal process

16		Control System (PLC/SCADA)	Automation and monitoring
17	<b>Emission Control System</b>	Gas Cleaning System / Scrubber	Removal of harmful gases
18		Dust Collector	Particulate removal
19		Gas Monitoring System	Emission monitoring
20		Chimney / Stack	Safe discharge of gases
21		Cooling Tower	Cooling of gases/process
22		<b>Charcoal Processing</b>	Cooling System
23	Screening / Grading Unit		Charcoal size classification
24	Ribbon Blender / Mixer		Mixing of material
25	Briquetting Machine		Formation of charcoal briquettes
26	Briquette Dryer		Drying of briquettes
27	Moulding Machine		Shaping of charcoal products
28	Curing Oven		Final product stabilization
29	Storage System / Shed		Storage of final product
30	<b>Utilities &amp; Support</b>		Electrical System & Transformer
31		Weighbridge	Measurement of incoming/outgoing material
32		Electric Crane	Material handling

33		Tractor Trolley	Internal transport
34		Water Supply & Pumping System	Process water supply
35		Effluent Treatment Plant (ETP)	Treatment of wastewater
36		Firefighting System	Fire safety
37	<b>Monitoring System</b>	CCTV Surveillance System	24×7 plant monitoring
38		ICCC Integration System	Integration with BMC command center

## ANNEXURE-VIII: FINANCIAL DETAILS OF BIDDER

Name of the Agency:

Sl .	Particulars	FY 2022- 23	FY 2023-24	FY 2024-25
1.	Turnover (in INR Crore)			
2.	Average Overall Annual Turnover for last 3 years (in INR Crore)			
3.	Net Worth in Rs. as on 31.03.2025			

**Note:**

1. Attach certified copies of Annual Audited Balance Sheets, P & L statement and IT Returns Certificate for last 3 (Three) years.
2. The above data must be submitted by Agency, duly certified by either Statutory Auditor or Chartered Accountant with valid UDIN no.
3. The Bidder will provide an Auditor's Certificate with UDIN No specifying the Networth as on 31.03.2025.

Signature of CA / Statutory Auditors

Name of the Authorized Signatory

With Seal and Registration No.

Place:

Date:

## ANNEXURE-IX: FORMAT OF FINANCIAL BID

To,

The Commissioner,  
Bhubaneswar Municipal Corporation,  
ICOMC Tower, Unit-IX,  
Bhubaneswar- 751022

Sub: Financial Bid for **Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.**

Sir,

1. With reference to your RFP document dated \_\_\_\_\_.\_\_\_\_\_.2026, I/we, having examined the Bidding document and understood its contents, hereby submit my/our Bid for the aforesaid project. The Bid is unconditional and unqualified.
2. I/ We acknowledge that the Authority will be relying on the information provided in the Bid and the documents accompanying the Bid for selection of the Concessionaire for the aforesaid Project, and we certify that all information provided therein is true and correct; nothing has been omitted which renders such information misleading; and all documents accompanying the Bid are true copies of their respective originals.
3. This statement is made for the express purpose of our selection as Concessionaire for of the aforesaid Project i.e., **Establishment of Municipal Solid Waste feedstock based 50 TPD Charcoal Production unit under Bhubaneswar Municipal Corporation.**
4. I/ We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Bid.
5. I/ We acknowledge the right of the Authority to reject our Bid without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
6. I/ We certify that in the last three years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
7. I/ We declare that:
  - (a) I/ We have examined and have no reservations to the Bidding Documents, including any Addendum issued by the Authority; and
  - (b) I/ We do not have any conflict of interest; and

- (c) I/ We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, in respect of any tender or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State; and
  - (d) I/ We hereby certify that we have taken steps to ensure that in conformity with the provisions of the RFP, no person acting for us or on our behalf has engaged or will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice; and
  - (e) the undertakings given by us along with the Application in response to the RFP for the Project were true and correct as on the date of making the Application and are also true and correct as on the Bid Due Date and I/we shall continue to abide by them.
8. I/ We understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any Bid that you may receive nor to invite the Bidders to Bid for the Project, without incurring any liability to the Bidders.
  9. I/ We believe that we satisfy the Turnover criteria and meet the requirements as specified in the RFP document.
  10. I/ We certify that in regard to matters other than the security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority that could cast doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
  11. I/ We further certify that no investigation by a regulatory authority is pending either against us or against our CEO or any of our directors/ managers/ employees.
  12. I/ We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of the Bidder, or in connection with the Bidding Process itself, in respect of the above-mentioned Project and the terms and implementation thereof.
  13. In the event of my/ our being declared as the Selected Bidder, I/we agree to enter into a Agreement in accordance with the terms that has been provided to me/ us prior to the Bid Due Date. We agree not to seek any changes in the aforesaid draft and agree to abide by the same.
  14. I/ We have studied all the Bidding Documents carefully and also surveyed the site conditions, location, surroundings, climate, availability of power, water and other utilities for construction, access to site, handling and storage of materials, weather data, type of

Municipal Solid Waste that can be expected for generation, market linkage, applicable laws and regulations, and any other matter considered relevant for the Project. We understand that except to the extent as expressly set forth in the RFP, we shall have no claim, right or title arising out of any documents or information provided to us by the Authority or in respect of any matter arising out of or relating to the Bidding Process including the award of work.

15. I/ We agree and understand that the Bid is subject to the provisions of the Bidding Documents. In no case, I/we shall have any claim or right of whatsoever nature if the Project / Concession is not awarded to me/us or our Bid is not opened or rejected.
16. The Royalty has been quoted by me/us after taking into consideration all the terms and conditions stated in the RFP and our own estimates of costs associated with implementation of the project.
17. I/ We agree and undertake to abide by all the terms and conditions of the RFP document.
18. I/ We shall keep this offer valid for 180 (one hundred and eighty) days from the Bid Due Date specified in the RFP.
19. I/We hereby submit our Bid by offering a Royalty of Rs. \_\_\_\_\_ (in words \_\_\_\_\_ only) per Metric Ton (MT) of Municipal Solid Waste (MSW) feedstock processed at the facility, for undertaking the aforesaid Project in accordance with the Bid Document and the Concession Agreement.

Yours faithfully,

Date: (Signature, Name and Designation of the Authorised Signatory)

Place: Name & Seal of the Applicant Company

### ANNEXURE-X: PRE-BID QUERY FORMAT

Interested parties shall submit their queries in the following format

Sl. No	Clause No/ Page No	Query/ Modifications Requested	Remark/ Reason

Note:

Agency/s shall submit their query to Dy. Commissioner (Sanitation) through mail [dc-sanitation@bmc.gov.in](mailto:dc-sanitation@bmc.gov.in) on or before dt. ....(by 5:00 PM) as mentioned in the pre bid query submission due date.