

EXPRESSION OF INTEREST (EOI)

For

Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Issued on: January 2025

Employer	State Mission Director, SBM(U)
Represented by	State Mission Director SBM Directorate, Gomti Nagar Extension Lucknow – 226002 E-mail: sbmdlup@gmail.com , uplb.tc123@gmail.com

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Definitions

- a) **“Addendum”** means the clarification issued against the Interested Party’s query placed before the employer in writing It may be released in form of addendum or corrigendum.
- b) **“Authority”** means State Mission Directorate/ULB who have invited the bids for services.
- c) **“Employer”** means the Authority who have invited the bids for the services and/ or with which the selected Interested Party signs the Contract for the Services and to which the selected Interested Party shall provide services as per the terms and conditions of the scope of the work.
- d) **“Interested Party”** means any entity or associations of person or organization /companies / firms who have been requested to submit their EOI that may provide or provides the Services to the Employer under the Contract.
- e) **“Contract”** means the Contract signed by the Parties and all the attached documents listed in its Clause, that is the General Conditions (GC), the project Specific Conditions (SC), and the Appendices.
- f) **“Project specific information”** means such part of the Instructions to Interested Parties used to reflect specific project and assignment conditions.
- g) **“Day”** means calendar day.
- h) **“Government”** means (Authority) State Mission Directorate/ULB
- i) **“Instructions to Interested Parties”** means the document which provides Interested Parties with all information needed to prepare their EOI.
- j) **“Personnel”** means professionals and support staff provided by the Interested Party or by any Sub Interested Party and assigned to perform the Services or any part thereof; **“Foreign Personnel”** means such professionals and support staff who at the time of being so provided had their domicile outside the Government’s country; **“Domestic Personnel”** means such professionals and support staff who at the time of being so provided had their domicile in India.
- k) **“Proposal”** means the Technical Proposal.
- l) **“EOI”** means the Expression of Interest prepared by the Employer for the empanelment of Interested Parties.
- m) **“Assignment / job”** means the work to be performed by the Interested Party pursuant to the Contract.
- n) **“Terms of Reference” (ToR)** means the document included in the EOI as Section which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Employer and the Interested Party, and expected results and deliverables of the job.

Abbreviation:

GoUP	<i>Government of Uttar Pradesh</i>
C&D	<i>Construction and Demolition</i>
C&DS	<i>Construction and Design Services</i>
CA	<i>Chartered Accountant</i>
CAPEX	<i>Capital Expenditure</i>
CBG	<i>Compressed Biogas</i>
CPCB	<i>Central Pollution Control Board</i>
CPHEEO	<i>Central Public Health and Environmental Engineering Organisation</i>
CSWAP	<i>City Solid Waste Action Plan</i>
CTE	<i>Consent to Establish</i>
DPR	<i>Detailed Project Report</i>
EIA	<i>Environment Impact Assessment</i>
EOI	<i>Expression of Interest</i>
EPC	<i>Erection, Procurement and Commissioning</i>
FOM	<i>Fermented Organic Manure</i>
FY	<i>Financial Year</i>
GoI	<i>Government of India</i>
ICT	<i>Information and Communications Technology</i>
IFSC	<i>Indian Financial System Code</i>
INR	<i>Indian Rupees</i>
JV	<i>Joint Venture</i>
LFOM	<i>Liquid Fermented Organic Manure</i>
LLP	<i>Limited Liability Partnership</i>
MIS	<i>Management Information System</i>
MoEF	<i>Ministry of Environment & Forest</i>
MRF	<i>Material Recovery Facility</i>
MSW	<i>Municipal Solid Waste</i>
MSWM	<i>Municipal Solid Waste Management</i>
MT	<i>Metric Tonnes</i>
O&M	<i>Operation and Maintenance</i>
OPEX	<i>Operational Expenditure</i>
PPP	<i>Public Private Partnership</i>
PSU	<i>Public Sector Undertaking</i>
RDF	<i>Refuse Derived Fuel</i>
ROI	<i>Return on Investment</i>
SBM	<i>Swachh Bharat Mission</i>
SBM-U	<i>Swachh Bharat Mission - Urban</i>
SLF	<i>Sanitary Landfill Facility</i>
SMD	<i>State Mission Directorate</i>
SWM	<i>Solid Waste Management</i>
TP	<i>Technical Proposal</i>
TPD	<i>Tonnes Per Day</i>
ULB	<i>Urban Local Body(ies)</i>
VAT	<i>Value Added Tax</i>
VGF	<i>Viability Gap Funding</i>

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

NOTICE INVITING EXPRESSION OF INTEREST

Notification No.: *PMU/11818/42905-2/2025*

Date: *8/01/2025*

State Mission Directorate, Swachh Bharat Mission (Urban), Urban Development Department, Government of Uttar Pradesh, invites expression of interest for **Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management** for Urban Local Bodies of Uttar Pradesh.

EOI document can be accessed from the website <https://upsbmurban.in> and <https://etender.up.nic.in> from 09/01/2025 onwards. Other details can be seen in the EOI document.

Sd/- 
Mission Director

SCHEDULE OF EVENTS

S.NO.	EVENT	DATE	VENUE
1	Date for downloading EOI document	09.01.2025	
2	Last Date for Receiving Queries & Comments	16.01.2025 till 5:00 PM	sbmdlbup@gmail.com , uplb.tc123@gmail.com
3	Date of Pre-Bid Meeting	17.01.2025 At 12:00 PM	Revati Hall, 2nd Floor, SBM State Mission Directorate, Gomti Nagar Extension Lucknow – 226002
3	Last Date for Submission of Expression of Interest (EOI Due Date)	29.01.2025 Till 11:00 PM	
4	Opening of EOI	30.01.2025 04:00 PM	

- *Note: The schedule provided above is tentative and may be modified in whole or in part by the State Mission Director, SBM State Directorate, Lucknow, with prior notification to the Interested Parties.*

1 INTRODUCTION

Uttar Pradesh is the 4th largest state in terms of geographical area covering 9.0 per cent of the country's geographical area. It is also the most populous state in India consisting of 19.96 crore (199.6 million) inhabitants as per 2011 Census, out of which 15.51 crore live in rural areas and 4.45 crore in urban areas. There has been a net addition of about 1.09 crore persons in the urban areas during 2001-2011. Thus, about 16.50% of the total population and 11.80% of the urban population of India reside in Uttar Pradesh. As per Census 2011, out of 4041 statutory towns of India 651 were (i.e.,16.10 percent) exist in Uttar Pradesh and now the Statutory towns has increased to 762. Percentage of urban population to total population of the State stands at 22.28 as per 2011 Census.

However, the level of urbanization (22.28%) in the State is quite low as compared to all India figures of 31.16%. The decadal growth of urban population during 2001- 2011 has been 28.82 per cent as against 31.80 per cent during 1991-2001.

Administratively, Uttar Pradesh is divided into 75 districts under 18 divisions which are Agra, Aligarh, Azamgarh, Allahabad, Kanpur, Gorakhpur, Chitrakoot Dham, Jhansi, Devi Patan, Faizabad, Bareilly, Basti, Vindhyachal (Mirzapur), Moradabad, Meerut, Lucknow, Varanasi, and Saharanpur. There are 8 cities with million plus population (as per 2011 census). In 2024 there are 762 Urban Local Bodies (ULBs) in the state with about total area 6264.57 sq km.

The spread of Urban Local Bodies (ULB) according to their status is as follows:

Table 1: No. of Urban local bodies:

S.No	Urban Local Bodies	Numbers
1	Municipal Corporations	17
2	Nagar Palika Parishads (Municipalities)	200
3	Nagar Panchayats (Municipal Boards)	545
	Total	762

Source: localbodies.up.nic.in, 2024

The spread of Urban Local Bodies (ULB) according to population (as per 2011 Census) size is as follows:

Table 2: No. of Urban local bodies based on population:

S.No.	Urban Local Bodies with Population	Numbers
1	More than 10, 00,000 (1million)	08
2	Between 5,00,000 to 10,00,000	08
3	Between 3,00,000 to 5,00,000	04
4	Between 1,00,000 to 3,00,000	53
5	Between 50000 to 1,00,000	57
6	Between 20000 to 50000	336

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7	Less than 20,000	296
	Total	762

Source: localbodies.up.nic.in, 2024

2 EXISTING STATUS OF SWM

Under SBM 1.0 (2014 to, 30 SWM plants are being developed by State Mission Directorate through the implementing agency C&DS-Jal Nigam in the ULBS. Apart from the above SWM Processing Plants, under SBM-U 2.0, all the 762 ULBs of Uttar Pradesh have prepared City Solid Waste Action Plan (CSWAP). According to the CSWAPs of 48ULBs, identified gap is of more than 50 TPD for SWM processing facilities. The SBM Directorate department is in process of preparing Detailed Project Reports (DPRs) to supply, install, test and commission the machineries and equipment for 48 SWM Plants (Annexure IV) along with development of SLF with provision of O&M services.

Under SBM 1.0, 86 legacy waste sites were identified, and remediation efforts were undertaken. As a result, 56 sites were successfully remediated, and work is ongoing at 26 sites. However, four sites remained pending, and three of these sites were later identified under SBM 2.0. Under SBM 2.0, a total of 148 legacy waste sites were identified in the CSWAP. As of now, 62 legacy waste sites in the ULBs, including 05 sites belonging to Nagar Nigams have more than 7000 MT waste per site and remaining legacy waste site have less than 7000 MT waste, that require remediation to reclaim the land under the Swachh Bharat Mission (SBM) 1.0 and 2.0. The department is in process of preparing Detailed Project Reports (DPRs) by dividing 56 ULB on 10 cluster and 6 individual sites for treatment of Legacy Waste. Despite the progress made, several issues have arisen during the ongoing and completed remediation processes. These concerns include RDF disposal plans, post-treatment plans for the remediated sites, and measures to prevent fresh waste from being disposed of at the remediated sites. These issues require serious consideration to ensure the long-term sustainability and effectiveness of the remediation efforts. It is essential to develop a comprehensive plan to address these concerns and ensure that the remediation of the remaining legacy waste sites is completed efficiently and effectively.

Currently under SBM 1.0, two C&D plants are operational, and two more have been approved to commence work. Additionally, five plants are in the tendering stage and will be part of the scope of work. Under SBM 2.0, the CSWAP data identifies 20 Non-Attainment Cities (NCAP) in Uttar Pradesh that are eligible for C&D plants. Out of these, four cities have a gap in C&D plant infrastructure, necessitating the establishment of new plants. Therefore, a total of nine C&D plants with capacities ranging from 20 TPD to 200 TPD will be considered under the scope of work.

The State Mission Directorate (SMD) is putting up its best efforts to achieve the service level benchmarks for the waste processing, Legacy, and C&D waste. The SMD is committed to provide

all the support to the ULBs, whether in terms of providing resources, funds, etc. or through capacity building support. However, it is observed that the actual progress of implementation is quite slow on the ground, the reasons of which can be attributed to the following:

- Poor level of source segregation due to public ignorance leading to the mixed waste reaching the processing plant.
- Presence of high amount of inert in the solid waste posing difficulties in the waste processing operations.
- Seasonal variation in the moisture content of waste leading to the large amount of leachate generation.
- Unavailability of suitable technologies to process such waste quantities with high moisture and inert content.

Some case studies have been included in upcoming section to give an idea about the challenges faced by ULBs of state. Interested Parties may take reference and learnings from the past experiences to propose solutions in a manner that would tackle the existing challenges and projects could be implemented for efficient processing of different components of waste.

Case studies & learning from implemented projects:

Case Study 1: Challenges of the Waste Processing Facility operating in the ULBs.

Uttar Pradesh's waste management infrastructure, consisting of 735 Material Recovery Facilities (MRFs), 899 compost pits and 25 functional municipal solid waste (MSW) plants, faces significant operational inefficiencies and technological limitations. Many Urban Local Bodies (ULBs) rely on outdated methods or resort to open dumping, causing severe environmental and public health impacts. Common challenges include the unsegregated waste sent to processing plants and operational issues in facilities designed for wet and dry waste.

Key challenges observed in different types of waste processing plants are detailed below:

1. Refuse Derived Fuel (RDF) Disposal Problems and Open Dumping

Inadequate RDF Disposal Mechanisms: RDF generated by MSW plant, during legacy waste remediation and MRF plants often lacks proper disposal or utilization channels, leading to stockpiling or improper burning. This contributes to environmental pollution.

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Open Dumping Practices: Inefficiencies in waste processing capacities and logistical challenges result in significant amounts of mixed waste being dumped in open areas, creating pollution and health risks.

2. Vendor-Driven Operational Problems in Waste Management Plants

Poor Vendor Performance: Many plants, including composting facilities and MRFs, fail to operate at optimal capacity due to negligence or inadequate management by vendors.

Intermittent Operations: Field visits frequently reveal that plants do not operate continuously, leading to waste accumulation and delays in processing.

3. Material Recovery Facility (MRF) Challenges

Suboptimal Efficiency: MRFs are often underperforming, recovering recyclable materials at a lower rate than their design capacity.

Contaminated Recyclables: Improper sorting and segregation practices result in high levels of contamination, reducing the usability and market value of recovered materials.

4. Compost Plant Challenges

Contaminated Compost: Compost produced in MSW plants is often of low quality and highly contaminated, rendering it unsuitable for agricultural or horticultural purposes.

Operational Inconsistencies: Composting processes are frequently disrupted due to unsegregated feedstock, irregular waste supply, and inadequate maintenance.

Case Study 2: Challenges of the Waste to Energy (Incineration based)/Bio CBG plant Facility operating in the ULBs.

Uttar Pradesh currently boasts one operational waste-to-energy plant and one functional CBG plant, with an additional four CBG plants and five waste-to-energy plants currently under construction. However, the development of these crucial infrastructure projects faces challenges, including:

Construction Delays: Many projects are experiencing delays, exceeding initial deadlines such as Varanasi waste to charcoal plant and CBG plants in Gorakhpur and Lucknow.

Technological Modifications: Frequent modifications to the planned technology during the construction phase can further complicate projects and potentially increase costs Example: CBG plants in Prayag raj, Gorakhpur and Lucknow, WTE plant in Muzaffarnagar.

Case Study 3: Challenges of a C&D Waste Processing Facility operating in the ULBs.

9 C&D waste plants are operational in ULBs, with a waste processing capacity of 50-100 TPD.

Underutilization: C&D waste plants often operate below capacity due to insufficient segregation of waste at the source and ineffective collection mechanisms.

Substandard Recycling: Many C&D plants fail to produce quality recycled materials, resulting in poor market acceptance and demand.

Case Study 4: Challenges of the Dumpsite remediation in the ULBs.

When a dumpsite is remediated by a vendor, ULBs often face challenges in the post-remediation phase due to the absence of a proper post-closure plan. Without a comprehensive plan, long-term issues like methane emissions, fire risks, and leachate contamination may remain unaddressed. Additionally, RDF disposal at alternate sites can lead to the creation of new dumpsites, exacerbating environmental problems. These gaps in planning and implementation hinder the effectiveness of the remediation process and perpetuate environmental hazards. Across the 59 sites remediated in ULBs, common challenges such as improper post-closure management, unaddressed methane emissions, and new RDF dumpsites have been consistently observed. ULBs with similar problem example Bareilly, Kanpur etc.

3 OBJECTIVES:

The launch of the Swachh Bharat Mission 1.0 (SBM-U), in combination with the promulgation of key regulations such as the Solid Waste Management (SWM) Rules 2016, and Plastic Waste Management Rules, C&D waste management rules, 2016 created a crucial platform for India to enhance its progress in implementing effective and efficient solid waste management/legacy waste remediation/C&D waste management systems. These measures collectively set the stage for more structured approaches in addressing the complex challenges posed by waste generation and disposal in urban areas across the country. However, to ensure that the successes achieved under SBM-Urban 1.0 are sustained in the long term, it is essential to develop and maintain adequate waste processing infrastructure. The implementation of waste management must be accelerated and scaled up significantly under the updated guidelines and goals of SBM-Urban 2.0. This renewed effort is critical for fulfilling the broader vision of a "Garbage-Free" Urban India.

Considering the above requirements, the objective of this EOI is to invite proposals from interested parties and organizations with a proven track record in the waste management sector for tackling the waste management and processing of Urban Local Bodies as mentioned. It is desired that these entities should have the necessary expertise and technical capabilities

to process and dispose of waste in a manner that is both environmentally sustainable and compliant with regulatory standards.

Furthermore, these proposals must account for the challenges faced by the ULB's of the state with handling mixed waste streams, particularly those with high moisture content and significant amounts of inert materials, which can complicate effective waste management and disposal practices. Addressing the above issues is essential for fulfilling the following objectives of the Urban Local Bodies in the state:

- a. successful implementation of the goals set forth under SBM-U 2.0
- b. ensure effective compliances w.r.t. SWM Rules 2016, C&D Waste Management Rules 2016, Plastic Waste Rules 2016, etc. including amended regulation and any new regulation published by GoUP and GoI.
- c. fulfilling the compliances put forth by Hon'ble National Green Tribunal directives and National Clean Air Program
- d. make the cities and ULBs reduce their carbon footprint in respect of waste.

As per SBM 2.0 guideline municipal solid waste composition is wet Waste 55%, Dry Waste 35%, Domestic Hazardous waste Minor, Other Waste (Drain Silt & Inert) 10% To inert waste (not more than) 10%.

CPCB sponsored a project to NEERI on "Assessment of Status of Municipal Solid Wastes Management in Metro Cities and State Capitals" with a view to establishing database on National level for selected 59 cities. The selected cities include 35 metro cities and 24 State capitals. The objective of the study is to collect field data on composition and characteristics of municipal solid waste along with determination of waste generation rates. Field studies for all the 59 cities have been completed. Studies have revealed that waste generation rate varies from 0.12 to 0.60 kg per capita per day. Analysis of physical composition indicates total compostable matter in the waste is in the range of 40-60 percent while recyclable fraction was observed between 10 and 25 per cent. The moisture content in the MSW was observed to vary from 30 to 60 per cent while the C:N ratio was observed to be in the range of 20-40.

4 SCOPE OF WORK

The interested parties are required to demonstrate practically and financially viable technology as per the given SWM scope for setting up solid waste processing/legacy waste remediation/C&D waste processing facilities in Urban Local Bodies of Uttar Pradesh. The technology proposed by the Interested Party shall be approved by Ministry of Environment & Forest, Municipal Solid Waste Management Rules, 2016, C&D waste management rules, 2016 and other applicable laws, rules, guidelines, and best engineering practices. The proposal should broadly cover the details of the technology/processes with brief estimates and support required from the State Government. Please refer to the **Annexure-IV** for the technical details to be covered in the proposals.

A. Solid Waste Management

Under SBM-U 2.0, all **762 Urban Local Bodies (ULBs)** in Uttar Pradesh have prepared City **Solid Waste Action Plans (CSWAPs)** to address their solid waste management needs. These plans provide a comprehensive assessment of:

- Existing municipal solid waste management (MSWM) systems.
- Current and projected waste generation (till 2026).
- Waste segregation into wet and dry categories.
- Processing capacity and the identified gaps.
- **Interested Party/ Agency Expectations:** Agencies are invited to propose **innovative and compliant technologies** for municipal solid waste management. The shortlisted technologies will proceed to an RFP process for the **supply, installation, testing, and commissioning** of machinery and equipment for SWM plants, including the development of **sanitary landfills (SLFs) and operations & maintenance (O&M)** facilities.

The selected agencies will be responsible for providing solutions that address the following key requirements:

- **Regulatory Compliance:** Ensure adherence to Solid Waste Management Rules, 2016; Plastic Waste Management Rules; CPCB, MoEF, and CPHEEO guidelines; and all other applicable regulations. Incorporate best practices and effective funding models to ensure sustainable operations. emphasize comprehensive environmental assessments, including air and groundwater monitoring.
 - **Integrated Solutions:** Deliver end-to-end solutions for processing Dry waste management (MRF/ RDF/ Waste to Energy), wet waste management (Compost. Biomethanation), or both, including scientific disposal of inert& processing rejects or inert/ reject utilization.
- Ensure scientific disposal of rejects and inert waste in compliance with regulations.
- **Residual Management:** Safely handle and dispose of residues, effluents, and emissions generated during waste processing.
- **Proposal Submission:** Submit detailed plans for **supply, installation, testing, and commissioning** of SWM facilities based on ULB waste generation and processing gaps. Propose solutions for Processing both dry and wet waste. Achieving zero-landfill operations by fully utilizing all outputs, including inert materials.
- **Innovative Technologies:** Offer scalable and adaptable solutions that cater to diverse waste types and volumes. Provide cluster-level or integrated approaches to enhance waste management efficiency.
- **Scalability and Customization:** Ensure flexibility to address the varying needs of different ULBs.

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

- **Integration:** Ensure seamless compatibility with existing SWM systems and municipal technology platforms.
- **Digital Solutions:** Incorporate ICT/MIS solutions to monitor and manage waste processing activities. Enable integration with Directorate/ULB-level Command Control Units for efficient oversight.
- Define success metrics for new technologies or approaches to be adopted such as reduced landfill dependency, specific carbon reductions, or recovery rates.
- **Cost structure and funding model:**
 - High-level cost estimates for implementing the proposed technologies.
 - Details of any innovative funding models focusing on the CAPEX and OPEX with ROI.
 - Any available grant funding or government incentive schemes that may be leveraged.

These initiatives will be implemented in the following ULBs categorized as outlined below:

Table 3: SWM Processing Categories (annexure IV):

Categories of SWM Plant	No. of ULBs
More than 500 TPD	1
300 to 500 TPD	1
100 to 300 TPD	8
50 to 100 TPD	34

- The scope of work is subject to change as per the mandate of the Authority.

B. Legacy Waste Remediation

As part of SBM-U 2.0, 148 legacy waste sites (list attached in annexure) across Uttar Pradesh have been identified and included in City Solid Waste Action Plans (CSWAPs). 86 Sites have less than 7,000 MT of waste. And, 62 Sites (including 10 cluster) have between 7,000 MT and 3 Lakh MT of waste (Annexure V). The scope is limited to 62 sites.

Interested Party/Agency Expectations: Agencies are required to propose innovative, compliant technologies for legacy waste remediation, focusing on reducing environmental impact, reclaiming land, and recovering resources. Shortlisted solutions will proceed to the bidding stage through an RFP.

Scope of Work for Selected Technology Developers:

i. Technology Solutions:

- Segregation of waste into Wet (organic), Dry (recyclables & non recyclables/ RDF), and inert categories.
- Process biodegradable waste into compost, bioenergy (biogas/ CBG), FOM, LFOM.

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- Recover resources like plastics, metals, and other recyclables.
- Safely dispose of inert waste or repurpose it for construction materials.
- Mitigate harmful emissions, leachate, and odors.
- End to end solution or an integrated solution for remediation waste.
- Solution to Handle, manage and dispose any residue, left over, effluents, and emissions in the process in accordance with local and national rules and regulations.
- The **CPCB and SBM-U 2.0** emphasize comprehensive environmental assessments, including air and groundwater monitoring, as a precursor to remediation.

ii. **Implementation Plan:** Submit detailed timelines, manpower needs, equipment specifications, and logistical requirements.

iii. **Environmental Safeguards:** Include mandatory pre- and post-remediation environmental monitoring and public awareness campaigns to address social and environmental concerns.

iv. **Post-Remediation:** Provide site monitoring and maintenance plans along with recommendations to prevent future waste accumulation and the safe and sustainable use of reclaimed land, which is essential for compliance with CPCB and SWM Rules 2016. focusing on sustainable uses such as parks, parking lots, or green zones etc.

v. **Residual Waste Management:** Propose safe handling and disposal of residues, effluents, and emissions as per regulations.

vi. **Proposal Submission:** Include itemized, component-wise plans for the installation, testing, and commissioning of remediation machinery and equipment.

vii. **Scalability:** Ensure solutions are scalable and adaptable to varying waste volumes and types across ULBs.

viii. **Customization:** Address diverse requirements specific to different ULBs.

ix. **Digital Integration:** Offer ICT-based solutions to monitor activities, including MIS systems, with provisions for integration into ULB or Directorate Command Control Units.

x. **Cost structure and funding model:**

- High-level cost estimates for implementing the proposed technologies.
- Details of any innovative funding models focusing on the CAPEX and OPEX with ROI.
- Any available grant funding or government incentive schemes that may be leveraged.

xi. The scope of work is subject to change as per the mandate of the Authority.

C. C&D waste management

The effective management of Construction and Demolition (C&D) waste in Uttar Pradesh is a priority for the state government to address rapid urbanization, increasing construction

activities, and associated environmental concerns. In alignment with the Construction and Demolition Waste Management Rules, 2016, the Urban Development Department and Urban Local Bodies (ULBs) in Uttar Pradesh are implementing strategies to streamline C&D waste management processes. a total of nine C&D plants with capacities ranging from 20 TPD to 200 TPD will be considered under the scope of work. The list of plants is attached in Annexure VI.

These plans provide a comprehensive assessment of:

- Existing municipal C&D waste management (MSWM) systems.
- Current and projected waste generation (till 2026).
- Waste segregation into required categories.
- Processing capacity and the identified gaps.

Interested Party/ Agency Expectations: Agencies are invited to propose **innovative and compliant technologies** for C&D waste management. The shortlisted technologies will proceed to an RFP process for the **supply, installation, testing, and commissioning** of machinery and equipment for plants.

The selected agencies will be responsible for providing solutions that address the following key requirements:

- **Regulatory Compliance:** Ensure adherence to C&D Management Rules, 2016; Plastic Waste Management Rules; CPCB, MoEF, NCAP, SBM and CPHEEO guidelines; and all other applicable regulations. Incorporate best practices and effective funding models to ensure sustainable operations.
- **Integrated Solutions:** Deliver end-to-end solutions for processing C&D waste management scientific disposal of inert& processing rejects or inert/ reject utilization.
- **Residual Management:** Safely handle and dispose of residues, effluents, and emissions generated during waste processing.
- **Proposal Submission:** Submit detailed plans for **supply, installation, testing, and commissioning** of C&D facilities based on ULB waste generation and processing gaps. Propose solutions for Processing of different type of C&D waste such as soil, Concrete, cement, aggregator, metal, bricks, wood etc.
- **Innovative Technologies:** Offer scalable and adaptable solutions that cater to diverse waste types and volumes. Provide cluster-level or integrated approaches to enhance waste management efficiency. waste technologies like mobile processing units or modular plants, ensuring scalability.
- **Market Linkages:** Propose mechanisms to connect processed C&D materials with construction projects, encouraging material reuse.

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- **Scalability and Customization:** Ensure flexibility to address the varying needs of different ULBs.
- **Integration:** Ensure seamless compatibility with existing C&D waste management systems and municipal technology platforms.
- **Digital Solutions:** Incorporate ICT/MIS solutions to monitor and manage waste processing activities. Enable integration with Directorate/ULB-level Command Control Units for efficient oversight.
- **Cost structure and funding model:**
 - High-level cost estimates for implementing the proposed technologies.
 - Details of any innovative funding models focusing on the CAPEX and OPEX with ROI.
 - Any available grant funding or government incentive schemes that may be leveraged.
- The scope of work is subject to change as per the mandate of the Authority.

5 EVALUATION PROCESS

- a) Technical Committee (“Committee”) set up with the representatives of the State SBM Directorate, other concerned Departments, and a panel of nominated experts in the field will review the submission with respect to eligibility and qualifications criteria prescribed in this EOI.
- b) Based on the technical review, the Committee will make a recommendation on the short-listed Applicants to the Authority. Accordingly, the Authority may invite the shortlisted Applicants to make detailed presentation on proposed methodology and work plan.
- c) The Committee reserves the right to accept any or none of the Applications submitted and will evaluate Applications based on technology cum cost basis. If the Authority rejects or annuls all the Applications, it may, in its discretion, invite all eligible Applicants to submit fresh Applications hereunder.

5.1 Pre-Qualification CRITERIA

- a) To be eligible, the applicant must fulfill the following essential pre-qualification criteria: -

Table 4: Pre-qualification Criteria

S. No.	Eligibility Criteria	Supporting Documents
1.	The Interested Party must be a private company, firm, LLP, or other entity incorporated in India under the Companies Act of 1956/2013 or any other applicable law currently in force in India, with a minimum incorporation period of three years. The	Copy of Certificate of Incorporation / Relevant document issued by Government

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

	Interested Party is required to submit a certified true copy of its Certificate of Incorporation.	
2.	The Interested Party or its associate companies must not have been blacklisted, debarred, or terminated for non-performance under any contract by any Government, Government Board, Urban Local Body within the country, Corporation, Statutory Board, Public Sector Undertaking (PSU), or the Government of any sovereign country within the last three years.	Self-Certification by the Interested Party(affidavit)
3.	The Interested Party must have a valid GSTN certificate.	Copy of GSTN Certificate
4.	The interested parties should have met the one of the following criteria either 4.1 past project experience (4.1.1/4.1.2/4.1.3) or 4.2 patent/innovative technology.	
4.1 4.1.1	<p>Past project experience</p> <p>For municipal solid waste:</p> <p>The Interested party should have one completed project of Municipal Solid waste processing facility with any of the approved technologies along with O&M facility in India in any of Central or State Government/ urban Local bodies in India of minimum 80% of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid.</p> <p style="text-align: center;">Or</p> <p>The Interested party should have two completed project of Municipal Solid waste processing facility with any of the approved technologies along with O&M facility in India for any of Central or State Government/ urban Local bodies in India of minimum 50% of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid.</p> <p style="text-align: center;">Or</p> <p>The Interested party should have three completed project of Municipal Solid waste</p>	<ul style="list-style-type: none"> • Copy of contract agreement / work orders and successful completed/ ongoing satisfactory performance certificate by competent Authority with proof of concept.

	<p>processing facility with any productive technologies along with O&M facility in India in any of Central or State Government/ urban Local bodies in India of minimum 40 % of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid.</p>	
4.1.2	<p>For C&D waste processing facilities: The Interested party should have one completed project of C&D waste processing facility with any of the approved technologies along with O&M facility in India in any of Central or State Government/ urban Local bodies in India of minimum 80% of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid.</p> <p style="text-align: center;">Or</p> <p>The Interested party should have two completed project of C&D waste processing facility with any of the approved technologies along with O&M facility in India for any of Central or State Government/ urban Local bodies in India of minimum 50% of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid.</p> <p style="text-align: center;">Or</p> <p>The Interested party should have three completed project of C&D waste processing facility with any productive technologies along with O&M facility in India in any of Central or State Government/ urban Local bodies in India of minimum 40 % of the higher side of range in TPD capacity within last 3 years till the date of submission of this bid</p>	<ul style="list-style-type: none"> • Copy of contract agreement / work orders and successful completed/ ongoing satisfactory performance certificate by competent Authority with proof of concept.

<p>4.1.3</p>	<p>For legacy waste remediation of dumpsite facility: (a) One Project of Minimum (80% of higher TPD capacity*365* 5 Year) Metric Ton Or b) Two Projects of Minimum (50% of higher TPD capacity*365* 5 Year) Metric Ton Or c) Three Projects of Minimum (40% of higher TPD capacity*365* 5 Year) Metric Ton</p>	<ul style="list-style-type: none"> • Copy of contract agreement / work orders and successful completed/ ongoing satisfactory performance certificate by competent Authority with proof of concept.
<p>4.2 4.2.1</p>	<p>Patent or innovative proven technology If, The Interested Party have innovative patent approved technology (like complete solution of waste lifecycle, reduction of pollution and cost-effective solution etc.)/Start up with innovative proven technology along with one year experience in solid waste processing plant/legacy waste remediation of dumpsite/C&D waste processing plant facilities utilizing approved technologies, along with operation and maintenance (O&M) in India, for any Central or State Government or Urban Local Bodies at least one project within the past three year as of the bid submission date. [The Interested party should have completed at least one project of Municipal Solid waste processing facility/C&D waste processing facility/Legacy waste dumpsite remediation facility with any of the approved technologies along with O&M facility in India in any of Central or State Government/ urban Local bodies in India of minimum 10 TPD capacity within last 3 years till the date of submission of this bid.]</p>	<p>a. Copy of contract agreement / work orders and successful completed/ ongoing satisfactory performance certificate by competent Authority with proof of concept. And b. Patent Certificate (issued by competent authority), (only applicable for those who applying in the for- Patent technology.) or startup India registration certificate (Validity as per Govt of India norms) and c. MSME registration certificate and d. verified report/recommendation letter from a Central/State Government body or an international organization regarding proveness of the proposed technology.</p>

5.	<p>The Interested Party must demonstrate prior experience in the sale / disposal / recycling / upcycling / end – of – cycle of end products or RDF (Refuse-Derived Fuel), or related products to a cement plant / Industrial furnace (of any Co-processing Plant) or similar facility, or in implementing innovative practices for on-site solutions for end products.</p>	<ul style="list-style-type: none"> • Joint agreement with Facility along with proof of sale/supply. (Along with the proof of address of the plant & ownership details) • Interested Parties need to submit the Delivery challan along with vehicle registration number logbook (if asked for during the procurement process) • Should be facilitating the visit of the plant – mentioned in the agreement above (if asked for during the procurement process)
6	<p>The Interested Party must demonstrate prior experience in the development of a sanitary landfill, including operation and maintenance (O&M) facilities, within the past three years.</p> <p>Or</p> <p>Zero Landfill Processing Model (with proof of complete lifecycle operation which includes byproducts / inert)</p>	<ul style="list-style-type: none"> • Copy of contract agreement / work orders and successful completed/ ongoing performance certificate by competent Authority. (Along with the proof of address of the facility & ownership details) <p>Should be facilitating the visit of the facility – mentioned in the agreement above (if asked for during the procurement process)</p>
7. 7.1	<p>For Past project experience</p> <p>The Interested Party should have average Annual Turnover of last three (3) financial years, i.e., 2021-22,2022-23 & 2023-24 at-least INR annually of the overall project estimated capital cost as mentioned below:</p> <p>Up to 100 TPD- 3.6 Cr. (Considering Estimated Project Capital Cost = 12 Cr., so turnover is 30% of Project Cost)</p> <p>101- 300 TPD- 12 Cr. (Considering Estimated Project Capital Cost = 36 Cr., so turnover is 30% of Project Cost)</p>	<p>A copy of the audited balance sheet, with the turnover section clearly highlighted, along with a certificate from the Statutory Auditor, must be submitted as proof of turnover. Additionally, a copy of the audited profit and loss statement and audited balance sheet of the company for the last three years, or a certificate from the Statutory Auditor/CA clearly specifying the annual turnover for the specified years, must be provided.</p>

7.2	<p>301- 500 TPD- 18 Cr. (Considering Estimated Project Capital Cost = 60 Cr., so turnover is 30% of Project Cost)</p> <p>Above 500 TPD- Above 27 Cr. (Considering Estimated Project Capital Cost = Above 90 Cr., so turnover is 30% of Project Cost)</p> <p>Or</p> <p>Patent/Innovative proven technology</p> <p>Shall be exempt from financial criteria.</p>	(Mandatory to share for all type of interested party)
8. 8.1	<p>The Interested Party must have positive Net Worth Project cost at the close of the preceding financial year as on date of 31.3.2024. In each of the Financial Years, Mention the Net Worth of last 3 Financial Years preceding the Bid Due Date.</p> <p>Bidder should be a profit-making company and should not have incurred any loss in the last three financial years.</p> <p>Or</p> <p>For patent/innovative proven technology</p> <p>Shall be exempt from net worth.</p>	<p>CA Certificate for Net Worth along with audited balance sheet.</p> <p>(Mandatory to share for all type of interested party)</p>
9.	Interested Party should not be declared insolvent/ bankrupt in the last three years.	Notarized Self-Declaration Certificate of Rs. 100 Stamp Paper

b) Interested Parties are required to submit documents demonstrating their eligibility for each of the above criteria. Relevant sections in the submitted documents must be highlighted to clearly indicate compliance with each eligibility criterion. Failure to include all required documents and proposal will result into not being successful in empanelment. Undertakings for future submission of any of these documents will not be accepted. However, the Authority reserves the right to request additional documents or seek clarifications on the submitted documents. All documents must be submitted in hard copy (one set).

c) Upon verification, evaluation, or assessment, if any information provided by the Interested Party is found to be false, incorrect, or incomplete, their bid will be summarily rejected without further correspondence.

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d) Bids from any Interested Party that does not meet the above Eligibility Conditions will not be considered. The Interested Party must also submit the required Annexures with a declaration signed by an authorized signatory. A Power of Attorney copy should also be included.

e) Each Annexure will be treated as a separate bid for purposes of evaluation, processing, and ordering.

f) **No Consortium/JV is allowed in this EOI.** The experience of the parent or subsidiary company of the Interested Party will also be considered for evaluation. However, the previous experience of the entity in a JV/Consortium will be considered for evaluation only if the Interested Party being evaluated is the lead Interested Party (holding more than 51% partnership) in the experience being presented. In such cases, if the Interested Party is showcasing its experience as the lead partner with more than 51% equity/holding, the entire experience will be considered for evaluation.

Note: - Selection of agencies does not guarantee the allocation of work. The selection of agencies from the empaneled list will be at the sole discretion of the Department/Urban Local Bodies (ULBs).

[Phase-I Selection and empanelment of agencies/ organization for a period of 2 year extendable upto next 3 years on yearly basis and having expertise in the processing of MSW / C&D waste or remediation of legacy waste site by different technology (this EOI only for step 1)

Phase II selection of Interested Party with a tenure of more than 10 years at the ULB level will be conducted through a separate RFP process issued by the respective ULBs (not part of this EOI). At the time of RFP process, a detailed project report (DPR) of the ULBs will be provided to understand the characteristics and situation of the ULB.]

5.2 Technology evaluation and scoring

The technical evaluation will be conducted only for those Interested Parties who meet the essential pre-qualification eligibility criteria and shall be call for presenting the proposed technology at the Employer's. The technology shall be scored and ranked as per the methodology proposed in subsequent sections.

The technical presentation categorised based on categories, Interested Party can apply in all categories subject to the experience in the mentioned following categories:

— Solid waste management processing:

Category 1: 50- 100 TPD,

Category 2: 100-300 TPD,

Category 3: 301-500 TPD,

Category 4: More than 500 TPD

— Legacy waste Remediation

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Category 1: 7000 MT to 50000 MT,

Category 2: 50000 MT and above

— **C&D waste Processing**

Category 1: below 100 TPD,

Category 2: Above 100 TPD

A detailed technical evaluation of the Expression of Interest (EOI) will be performed for submissions that satisfy the following conditions and will present during technical presentation. The criteria, sub-criteria, and marking system for the detailed evaluation will be outlined as follows:

Table 5: Criteria for scoring:

Criteria	Weightage
<ul style="list-style-type: none"> • Detailed description of the proposed technology/ methodology with support of previous projects, • Work plan • DPR in brief • Plant architecture and design details (proposed), including equipment specification, power/energy requirement to run plant, pollution mitigation measures and carbon reduction measures. • Highest solid waste processing/Bioremediation Waste processing/C&D waste processing sites handled by the firm. • Innovative plant machineries and technology (Novel approach)/Patent Technology • ICT / Digital Monitoring and Execution plan • Method proposed for processing of solid waste processing plant/legacy waste remediation of dumpsite/C&D waste processing plant. • prior experience in Market development in the sale / disposal / recycling / upcycling / end – of – cycle of end product or compost or RDF (Refuse-Derived Fuel), or LFOM or similar products to a cement plant / Industrial furnace (of any Co-processing Plant) or similar facility, or in implementing innovative practices for on-site solutions for end products. <p>Or</p> <ul style="list-style-type: none"> • Zero Landfill solid waste Processing Model (with proof of complete lifecycle operation which includes byproducts / inert) • Sites Post closure monitoring plan. (Only applicable for legacy waste site) <p>(All the details will be provided with the support of previous projects experiences handled by the agencies)</p>	30%
Detailed description of the proposed business Model	15%

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<ul style="list-style-type: none"> • Proposed project cost • CAPEX • Annually OPEX • Revenue streams • Details of ROI (for assessing commercial viability) • Best possible project structuring (i.e. EPC, PPP, etc.) 	
<p>Previous experiences of with respect to proposed technology:</p> <ul style="list-style-type: none"> • No. of years: • No. of projects handled. • Business model: • issues faced and resolved with solution therein. 	5%
<p>Land required for <i>setting solid waste/C&D waste processing equipment (may be linked to the waste quantities)</i></p> <ul style="list-style-type: none"> • <i>Type of technology</i> • <i>Land required (the minimum Land required would get maximum marks)</i> 	5%
<p>Estimated time to be taken for <i>project execution (in month)</i>.</p> <p>1. <i>For documentation and permission</i></p> <p>2. <i>Construction and commissioning</i></p> <p>3. <i>post closure monitoring plan of legacy waste site (applicable for legacy waste only)</i></p> <p><i>(Marking with reference to technology)</i></p>	5%
<p>Support required in terms of <i>Tipping/ Processing fee, in following cases:</i></p> <ul style="list-style-type: none"> • <i>Entire Capex to be borne by Agency and subsequent operations.</i> • <i>Capex support from the Govt. and the Agency shall do the operations only.</i> • <i>entire Capex and OPEX support required from Govt</i> 	5%
<p><i>For commissioning of bioremediation facility what are the infrastructure support will be installed by the Interested Party or what are the support required from the ULB.</i></p> <ul style="list-style-type: none"> • <i>Land</i> • <i>Water supply</i> • <i>Sewerage pipeline</i> • <i>Electricity</i> • <i>Waste Transportation</i> • <i>Processing machineries</i> • <i>Manpower</i> • <i>Pollution control board approval including Environmental clearance.</i> <p><i>(1) Commissioned Projects, (CTO approval)</i></p> <p><i>(2) Under Construction Projects, (CTE approval)</i></p> <p><i>(3) EIA/Environmental clearance</i></p>	20% <i>(Marking based on minimum dependency on ULBs).</i>

<ul style="list-style-type: none"> • <i>Post closure monitoring responsibilities. (only for legacy waste remediation)</i> • <i>Mention if any other support required</i> 	
<p><i>Detail Scope of future expansion and scalability of project (with timeline for SWM & C&D waste)</i></p> <ul style="list-style-type: none"> • <i>Upto 5 years</i> • <i>10-year,</i> • <i>20 years or more.</i> <p>Or</p> <p>Post closure monitoring of legacy waste remediated site</p> <ul style="list-style-type: none"> • <i>Upto 5 years</i> • <i>10-year or more.</i> 	5%
<p>Cost Structure and innovative funding model</p> <ul style="list-style-type: none"> • <i>Any available grant funding or government incentive schemes that may be leveraged.</i> 	10%

The Interested Parties who will score above 60 marks will be considered for empanelment.

Note:

1. Details in the table above are to be provided as elaborately as feasible. Details of any patented/ unique technologies maybe marked as such.
2. All responding agencies may be invited to make detailed presentations on their proposed technology/ methodology before the Technical Committee evaluation.
3. All the above details will be provided with the support of previous projects experiences handled by the agencies.
4. The evaluation of EOI shall be done by a committee appointed by Employer.

6 INSTRUCTION TO INTERESTED PARTIES:

6.1 Completeness of Response

- a) Interested Parties are advised to carefully study all instructions, forms, terms, requirements, and other information in the bid documents. Submission of a bid will be considered as having been made with a full understanding of the EOI document and its implications.
- b) The response to this EOI must be complete in all respects. Failure to provide all the required information or submitting a proposal that is not substantially responsive to the EOI documents may result in the rejection of the proposal at the Interested Party's risk.
- c) The Interested Party must comply with all terms and conditions specified in this document, and their offer must be unconditional.

6.2 EOI Preparation Costs

- a) The Interested Party shall bear all costs associated with participation in this process, including, but not limited to, expenses related to conducting informative and due diligence activities, attending meetings, discussions, and presentations, preparing the Expression of Interest (EOI), providing any additional information requested by the Authority to facilitate the evaluation process, and negotiating a definitive contract, as well as all other activities related to the bidding process. The Authority shall not be liable for any costs incurred, irrespective of the conduct or outcome of the bidding process.
- b) This EOI does not obligate the Authority to award a contract or enter into negotiations.
- c) Additionally, no reimbursable costs may be incurred in anticipation of an award or for the preparation of this bid.
- d) All materials submitted by the Interested Party as part of the bid will become the property of the relevant Urban Local Body (ULB).

6.3 Clarification and Amendment of EOI document:

- a) At any time prior to the deadline for bid submissions, the Authority may modify the bid document through an amendment, either on its own initiative or in response to a clarification requested by a prospective Interested Party.
- b) Any amendments will be notified and uploaded on the Authority's website or the specified website for the information of all intending Interested Parties.
- c) Before the submission of the Expression of Interest (EOI), the Employer may amend the EOI by issuing an addendum via standard electronic means. This addendum will be sent to all Interested Parties within the timeframe stipulated in the Data Sheet and will be binding. Interested Parties must acknowledge receipt of all amendments. To provide Interested Parties with reasonable time to account for the amendments in their EOIs, the Employer may extend the submission deadline if the amendment is substantial.
- d) To afford prospective Interested Parties reasonable time to incorporate any amendments into their bids, the Authority may, at its discretion, extend the deadline for the receipt of bids.
- e) Depending on the nature of the assignment/job, Interested Parties are required to submit a Technical Proposal (TP) using the forms provided in the EOI. Submission of a non-responsive Technical Proposal will result in the proposal being deemed ineligible. Form Tech – 1 is a sample letter of the technical proposal that must be submitted along with the Technical Proposal.
- f) The Technical Proposal must not include any financial information. Any Technical Proposal containing financial information may be declared non-responsive.

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7 APPLICATION PROCESS

The Expression of Interest (EOI) document will be available for download on the e-procurement tendering website <https://etender.up.nic.in> Interested Applicants are invited to submit their applications in accordance with the terms specified in this document.

8 BID PROCESSING FEES

The Bid Processing Fee is non-refundable. The cost of the EOI document is ₹5,000 (Indian Rupees Five Thousand Only), to be paid through RTGS/NEFT to the following account details:

Bank Name: Punjab National Bank

Branch Name: Vipul Khand Gomti Nagar, Uttar Pradesh, Lucknow 226010

Account Name: STATE MISSION DIRECTOR SBM URBAN

Account No.: 4483000100033545

IFSC: PUNB0448300

Please note that any EOI submitted without the bid processing fee will be considered non-responsive and will be rejected.

9 VALIDITIES OF EOI

The EOI shall remain valid for a period of not less than 180 days from the EOI due date. The Urban Local Body (ULB) Lucknow reserves the right to reject any EOI that does not meet the specified requirements.

DATA SHEET

Table 6: Details of Employer

S. No.	Particulars	Details
1.	Name of the Employer:	State Mission Director, SBM
2.	Name of the Assignment/ job:	Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW), Legacy waste remediation and C&D Waste.
3.	Last Date & time and address for submission of EOI/ bid:	29/01/2025 up to 11:00 PM (Online Submission)
		https://etender.up.nic.in
4.	The Employer's representative is:	
	Address:	State Mission Director SBM Mission Directorate, Gomti Nagar Extension Lucknow – 226002 E-mail: sbmdlup@gmail.com , uplb.tc123@gmail.com
5.	EOI must remain valid days after the submission date, i.e., until:	180 days
6.	Interested Parties may send in their queries till Date:	16/01/2025 till 05:00 PM
7.	Pre-Bid Meeting Date:	17/01/2025 at 12:00 PM Venue: Revti Hall, 2nd Floor, SBM Mission Directorate, Gomti Nagar Extension Lucknow – 226002
8.	Contact	+91-8189077787
	Email:	sbmdlup@gmail.com , uplb.tc123@gmail.com
9.	Method of Evaluation	Technical Evaluation

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		<p>Stage 1a: Pre-Qualification: a) Interested Parties who qualify in the essential Eligibility Criteria will be considered for Technical Evaluation in Stage 1b</p> <p>Stage 1b: Technical Qualification: Interested Parties who qualify the following will be empaneled in the respective categories:</p> <ul style="list-style-type: none"> a) Eligibility as per EOI requirement. b) Test of Responsiveness complete (complete document submission). <p>Minimum score of 60% marks in the technical evaluation</p>
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EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/C&D Waste

Annexure 1: Bid Form

(To be submitted on the Letterhead of the responding agency)

To,

State Mission Director

SBM Mission Directorate,

Gomti Nagar Extension Lucknow 226002

Reference: EOI Notification no _____

Dated _____

Subject: Submission of proposals in response to the EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste by different technology in Urban Local Bodies of Uttar Pradesh is invited.

Dear Sir,

Having examined the EOI document, we, the undersigned, hereby submit our proposal in response to your EOI Notification No. <xxx> dated <<>> for the empanelment of agencies for solid waste processing facilities in Urban Local Bodies of Uttar Pradesh, in full conformity with the said EOI document.

i. We have read the provisions of the EOI document and confirm that they are acceptable to us. We further declare that any additional conditions, variations, or deviations found in our EOI shall not be acceptable.

ii. We agree to abide by this EOI, which consists of this letter, our detailed response to the EOI, and all attachments, for a period of 180 days from the submission closing date stipulated in the EOI document.

iii. We hereby declare that we are not involved in any major litigation that may impact or compromise our ability to deliver the services required under this assignment, and we are not under any declaration of ineligibility for corrupt or fraudulent practices.

iv. We hereby declare that we are not insolvent, in receivership, bankrupt, or being wound up; our affairs are not being administered by a court or judicial officer; our business activities have not been suspended; and we are not subject to legal proceedings for any of the aforementioned conditions.

v. We undertake that, in competing for (and, if awarded, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India, namely the "Prevention of Corruption Act, 1988."

vi. We understand that the Purchaser is not bound to accept any bid submitted.

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/C&D Waste

Place:

Date:

Interested Party's Company Seal:

Authorized Signatory's Signature:

Authorized Signatory's Name and

Designation:

Note: The Interested Party shall necessarily provide a copy of 'Power of Attorney / Letter of Authorization authorizing the signatory for signing the Bid on behalf of the Interested Party.

Annexure 2: Particulars of the Interested Party

S.NO.	INFORMATION SOUGHT	DETAILS TO BE FURNISHED
1.	Name and Registered address of the bidding Company. Specify Telephone Number, Fax Number, Website address of the bidding Company	
2.	Incorporation status of the firm (public limited /private limited/partnership, etc.)	
3.	Year of Establishment	
4.	Date of registration	
5.	ROC Reference No.	
6.	Details of company registration	
7.	Details of registration with appropriate authorities for service tax, income tax, sales tax / VAT	
8.	Key Person (s) details at Head Office / Registered Office. Specify Name, Designation, Address, Email, Phone nos. and Mobile Number	
9.	Name, Designation, Address, Email, Phone nos. and Mobile Number of Authorized Person for this empanelment	
10.	Classification i.e., Machines specification with estimated price, please specify	
11.	Number of years' experience in setting up of Solid waste processing plant	
12.	Turnover from sale of <<quoted products >>in last 3 years	

As of this date the information furnished in all parts of this form is accurate and true to the best of my knowledge.

Annexure 3: Technical Proposal – Standard Forms

FORM TECH-1

LETTER OF EOI SUBMISSION

[Location, Date]

To,

[Name and address of Employer]

Dear Sir,

We, the undersigned, offer to provide services for the EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste by different technology in Urban Local Bodies of Uttar Pradesh through the EPC/PPP mode, in accordance with your EOI dated [Insert Date] and our proposal.

We are submitting our proposal, which includes this Technical Proposal along with the requisite EOI processing fees and funding model.

We hereby declare that all information and statements made in this EOI are true and acknowledge that any misrepresentation may lead to our disqualification.

If negotiations are held during the validity period of the EOI, we undertake to negotiate based on the proposed staff. Our proposal is binding upon us and subject to modifications resulting from contract negotiations.

We understand that you are not bound to accept any proposal received.

Yours sincerely,

Authorized Signatory *[In full and initials]*

Name and Title of Signatory:

Name of Firm:

Address:

FORM TECH-2

Form 2: INTERESTED PARTY’S ORGANIZATION ANDEXPERIENCE

Form 2A: Format for Details of Interested Party

1.Details of Interested Party

	Name of Interested Party with full address	
	Tel. No.	
	Fax No.	
	Email	
	Year of Incorporation.	
	Name and address of the person holding the Power of Attorney.	
	(i) Place of Business.	
	(ii) Date of Registration.	
	Name of Bankers with full address.	
	GSTN Registration Number (copy).	
	Permanent Account Number (copy).	
	Are you presently debarred / Blacklisted by any Government Department /Public Sector Undertaking /Any Employer? (If Yes, please furnished details)	
	Name and details (Tel / Mobile / E mail) of contact persons	

Form 2B: Format for Financial Capability of the Interested Party

(Equivalent in Rs. crores)

Interested Party*	__(Name of Interested Party)				
FY	2021-22	2022-23	2023-24	Total	Average
Annual Turnover					
Net Worth					
<p>Certificate from the Statutory Auditor</p> <p>This is to certify that__(Name of the Interested Party) has annual turnover as shown above against the respective years.</p> <p>Name of the audit firm:</p> <p>Seal of the audit firm:</p> <p>Date:</p> <p><i>(Signature, name and designation of the authorized signatory)</i></p>					

The Interested Party must demonstrate its financial capability based on its own financial statements. The financial capability of the Interested Party's parent company, subsidiary, or associate company may also be considered in the computation of the Interested Party's financial capability.

**** Interested Party should fill in details as per the row titled Annual turnover in the row below.***

Form 2C: Engagement Experience

List projects in the last Three years which are similar to that required in the EOI.

S.No.	Name of the Project	Name & Type of Client (Govt./Semi - Govt./Private)	Type of project (solid waste/C&D waste/ Remediation)	Scope of the Project	Estimated Project Cost	Project Structuring PPP/ EPC	Status of the Project (Completed/under execution/under planning process)	Details/proof of Agreement/ letter of intent/work order etc.

(In addition to above format, scan copies of completion certificate/certification of work undertaken to be also included for each of the project)

Authorized Signatory

Name and Title of Signatory:

Name of Firm

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal
Solid Waste (MSW)/ Legacy
waste remediation/ C&D Waste management.

(Proposed Methodology & Support Required)

Detailed description of the proposed technology/ methodology	
Detailed description of the proposed business Model	
Previous experiences of proposed technology/ methodology/ business model and issues faced therein	
Space required for <i>setting</i> processing equipment (<i>may be linked to the waste quantities</i>)	
Estimated time to be taken for complete <i>project execution</i>	
Method proposed for processing of waste, if any: <ol style="list-style-type: none"> 1. <i>Pre-sorting</i> 2. <i>Biodegradable component</i> 3. <i>Recyclables</i> 4. <i>Dry Waste/ RDF</i> 5. <i>Waste to Electricity</i> 6. <i>Leachate Treatment</i> 7. <i>Disposal on SLF</i> 	
<i>Estimated cost for setting up the facility (Capital Investment)</i>	
<i>Support required in terms of Tipping/ Processing fee, in following cases:</i> <ol style="list-style-type: none"> i.) <i>Entire Capex to be borne by Agency and subsequent operations.</i> ii.) <i>Capex support from the Govt. and the Agency shall do the operations only</i> 	
<i>Best possible project structuring (i.e. EPC, PPP, etc.)</i>	

Note:

1. Details in the table above are to be provided as elaborately as feasible. Details of any patented/ unique technologies maybe marked as such.
2. All responding agencies may be invited to make detailed presentations on their proposed technology/ methodology before the Technical Committee.

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

FORM TECH-3

Letter for Non-Blacklisting

[Location, Date]

To,

[Name and address of Employer]

Subject: Letter of Declaration for not have been Blacklisted

We, [Name of Firm], along with our associate companies and group companies, confirm that we have not been blacklisted, debarred, or had any contracts terminated, except for reasons of convenience by the employer, by any government, government board, corporation, company, statutory body, PSU company, non-government organization, government of any sovereign country, private agencies, or funding agencies in the last three years.

For *[Name of Firm]*,

Authorized Signatory [In full and initials] Name and Title of Signatory:

Name of Firm:

Address:

FORM TECH-4

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Power of Attorney for signing of Application

Know all men by these presents, we, [.....Name of the Firm] with its registered office at [.....Address], hereby irrevocably constitute, nominate, appoint, and authorize Mr./Ms. [.....Name], son/daughter/wife of [.....Parent's Name], presently residing at [.....Address], who is currently employed with us in the position of [.....Position], as our true and lawful attorney (hereinafter referred to as the “Attorney”)

The Attorney is empowered to act in our name and on our behalf for all acts, deeds, and things necessary or required in connection with or incidental to the submission of our application for pre-qualification and bid for the Expression of Interest for the empanelment of agencies for solid waste processing facilities in Urban Local Bodies of Uttar Pradesh (the “Project”) proposed or being developed by the Authority. This includes, but is not limited to, signing and submitting all applications, bids, and other documents; participating in pre-application conferences; providing information/responses to the Authority; representing us in all matters before the Authority; signing and executing all contracts, including the Concession Agreement, and undertakings consequent to the acceptance of our bid; and generally dealing with the Authority in all matters related to or arising from our bid for the said Project until the execution of the Concession Agreement with the Authority.

We hereby agree to ratify and confirm all acts, deeds, and things done or caused to be done by our Attorney pursuant to the powers conferred by this Power of Attorney, and all such acts shall be deemed to have been done by us.

IN WITNESS WHEREOF WE,, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF 2024

Witnesses:

- 1.
- 2.

(Notarized)

.....

(Signature)

(Name, Title, and Address of the Attorney)

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Notes:

- The execution of the Power of Attorney must comply with the procedures established by applicable law and the charter documents of the executing parties. If required, it should be executed under a common seal, affixed in accordance with the relevant procedures.
- Wherever required, The Applicant must submit the extract of the charter documents and any relevant documents, such as a board or shareholders' resolution or a power of attorney, that authorize the person executing this Power of Attorney to delegate powers on behalf of the Applicant.
- For Powers of Attorney executed and issued outside India, the document must be legalized by the Indian Embassy and notarized in the jurisdiction where it is issued. However, Powers of Attorney from countries that are signatories to the Hague Convention of 1961 are exempt from Indian Embassy legalization if they carry a valid Apostille certificate.

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Annexure IV: List of ULB's for solid waste management processing facilities

S.No	District Name	ULB Name	Population 2011 (as per CSWAP)	Estimated Current Population (2023)	Total Waste Generation (TPD)-2023	Total Wet Waste TPD	Total Dry Waste	Total Waste Processing Capacity (Operational)	Total Gap in processing (TPD)
1	KUSHINAGAR	HATA (NPP)	105425	134522.3	60.54	33.297	27.2	10	51
2	KAUSHAMBI	BHARWARI (NP)	108000	137808	62.01	34	27.9	10	52
3	KASGANJ	KASGANJ (NPP)	101277	129229.45	58.15	31.9	26.1	5	53
4	AZAMGARH	AZAMGARH (NPP)	110983	141614.31	63.73	35	28.6	10	54
5	GHAZIPUR	GHAZIPUR (NPP)	110698	141250.65	63.56	34.9	28.6	9	55
6	AZAMGARH	BILARIAGANJ (NP)	104336	133132.74	59.91	32.9	26.9	5	55
7	GHAZIABAD	MURADNAGAR (NPP)	105558	134692.01	60.61	33.3	27.2	5	56
8	HARDOI	HARDOI (NPP)	126851	161861.88	72.84	40.	32.7	17	56
9	FIROZABAD	SHIKOHABAD (NPP)	107404	137047.5	61.67	33.9	27.7	5	57
10	SAMBHAL	CHANDAUSI (NPP)	114383	145952.71	65.68	36.124	29.556	5	58
11	CHANDAULI	MUGHALSARAI (NPP)	109650	139913.4	62.96	34.628	28.332	5	58
12	ETAH	ETAH (NPP)	118517	151227.69	68.05	37.4275	30.6225	10	58
13	BASTI	BASTI (NPP)	114657	146302.33	65.84	36.212	29.628	7	59
14	AMBEDKAR NAGAR	AKBARPUR (NPP)	111447	142206.37	63.99	35.1945	28.7955	5	59
15	GHAZIABAD	MODINAGAR (NPP)	130325	166294.7	74.83	41.1565	33.6735	15	60
16	GONDA	GONDA (NPP)	114046	145522.7	65.49	36.0195	29.4705	0	60
17	KUSHINAGAR	KUSHINAGAR (NPP)	127851	163137.88	73.41	40.3755	33.0345	10	63
18	PRATAPGARH	BELA PRATAPGARH (NPP)	119942	153045.99	68.87	37.8785	30.9915	5	64

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

S.No	District Name	ULB Name	Population 2011 (as per CSWAP)	Estimated Current Population (2023)	Total Waste Generation (TPD)-2023	Total Wet Waste TPD	Total Dry Waste	Total Waste Processing Capacity (Operational)	Total Gap in processing (TPD)
19	MORADABAD	MORADABAD (M. Corp)	887871	1132923.4	509.82	280.401	229.419	435	65
20	PILIBHIT	PILIBHIT (NPP)	127988	163312.69	73.49	40.4195	33.0705	5	68
21	SHAMLI	KAIRANA (NPP)	128720	164246.72	73.91	40.6505	33.2595	5	69
22	UNNAO	GANGAGHAT (NPP)	131290	167526.04	75.39	41.4645	33.9255	5	70
23	FATEHPUR	FATEHPUR (NPP)	193193	246514.27	110.93	61.0115	49.9185	40	71
24	BHADOHI	BHADOHI (NPP)	139342	177800.39	80.01	44.0055	36.0045	9	71
25	BADAUN	BUDAUN (NPP)	159285	203247.66	91.46	50.303	41.157	5	71
26	LALITPUR	LALITPUR (NPP)	133305	170097.18	76.54	42.097	34.443	5	72
27	SITAPUR	SITAPUR (NPP)	177234	226150.58	101.77	55.9735	45.7965	15	72
28	FIROZABAD	FIROZABAD (M.CORP)	604214	770977.06	346.94	190.817	156.123	5	77
29	RAEBARELI	RAE BARELI (NPP)	191316	244119.22	109.85	60.4175	49.4325	17	83
30	MATHURA	MATHURA-VRINDAVAN (M. Corp)	657046	838390.7	377.28	207.504	169.776	267	85
31	BULANDSAHAR	KHURJA (NPP)	160961	205386.24	92.42	50.831	41.589	5	87
32	MAINPURI	MAINPURI (NPP)	179288	228771.49	102.95	56.6225	46.3275	5	88
33	AMROHA	AMROHA (NPP)	198471	253249	113.96	62.678	51.282	25	89
34	DEORIA	DEORIA (NPP)	182145	232417.02	104.59	57.5245	47.0655	5	100
35	BAHRAICH	BAHRAICH (NPP)	186223	237620.55	106.93	58.8115	48.1185	5	102
36	JALAUN	ORAI (NPP)	187137	238786.81	107.45	59.0975	48.3525	5	102
37	HATHRAS	HATHRAS (NPP)	201434	257029.78	115.66	63.613	52.047	13	103
38	GHAZIABAD	KHODA MAKANPUR (NPP)	190005	242446.38	109.1	60.005	49.095	5	104
39	BULANDSAHAR	BULANDSHAHR (NPP)	230024	293510.62	132.08	72.644	59.436	20	107

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

S.No	District Name	ULB Name	Population 2011 (as per CSWAP)	Estimated Current Population (2023)	Total Waste Generation (TPD)-2023	Total Wet Waste TPD	Total Dry Waste	Total Waste Processing Capacity (Operational)	Total Gap in processing (TPD)
40	MIRZAPUR-CUM-VINDHYACHAL	MIRZAPUR-CUM-VINDHYACHAL (NPP)	234871	299695.4	134.86	74.173	60.687	17	108
41	SAMBHAL	SAMBHAL (NPP)	220813	281757.39	126.79	69.7345	57.0555	15	112
42	HAPUR	HAPUR (NPP)	262983	335566.31	151	83.05	67.95	5	131
43	FARRUKHABAD	FARRUKHABAD-CUM-FATEHGARH (NPP)	276581	352917.36	158.81	87.3455	71.4645	8	151
44	MAU	MAUNATH BHANJAN (NPP)	278745	355678.62	160.06	88.033	72.027	5	155
45	RAMPUR	RAMPUR (NPP)	325313	415099.39	186.79	102.7345	84.0555	5	182
46	SAHARANPUR	SAHARANPUR (M. Corp)	705478	900189.93	405.09	222.7995	182.2905	50	340
47	BAREILLY	BAREILLY (M. Corp)	903668	1153080.4	518.89	285.3895	233.5005	25	500
48	LUCKNOW	LUCKNOW (M. Corp)	3086629	3938538.6	2166.2	1191.41	974.79	268	1598

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Annexure V: List of ULB's for Legacy waste remediation sites

S.N.	Cluster No.	District	ULB Name	Legacy waste Quantity
1	1	Meerut	NP LAWAR (MEERUT)	30153.53
2		Muzaffarnagar	JANSATH NP (Muzaffarnagar)	13383.20
3		Muzaffarnagar	NP BUDHANA(MUZAFFARNAGAR)	15076.00
4		Muzaffarnagar	NP MIRANPUR(MUZAFFARNAGAR)	11562.00
5		Muzaffarnagar	NP SHAHPUR(MUZAFFANAGAR)	7826.74
6		SAHARANPUR	NP AMBEHTA(SAHARANPUR)	10557.00
7		SAHARANPUR	NPP GANGOH(SAHARANPUR)	45506.00
8	2	BAGHPAT	Baraut NPP	15280.09
9		MEERUT	NP KITHAUR (MEERUT)	24107.22
10		Muzaffarnagar	NPP KHATAULI(MUZAFFARNAGAR)	14263.00
11	3	Bijnor	Jhalu NP (Bijnor)	11998.90
12		Bijnor	Kiratpur NPP (Bijnor)	8775.93
13		Bijnor	Najibabad NPP (Bijnor)	22421.34
14		Muzaffarnagar	NP PURQUAZI(MUZAFFARNAGAR)	10124.68
15	4	JHANSI	NPP GURSARAI(JHANSI)`	12208.57
16		JHANSI	NPP MAURANIPUR(JHANSI)	14451.57
17		Mahoba	Mahoba NPP	41448.11
18	5	Farrukhabad	Kaimganj NPP (Farrukhabad)	10197.12
19		Farrukhabad	Mohammadabad NP(Farrukhabad)	8196.99
20		Hardoi	Shahabad, NPP (Hardoi)	10856.94
21		Kannauj	Gursahaiganj NPP (Kannauj)	27499.86
22		Mainpuri	Bewar NP (Mainpuri)	13439.79
23		Mainpuri	Bhogaon NP (Mainpuri)	16295.51
24		Mainpuri	Ghiraur NP (Mainpuri)	9316.67
25		Mainpuri	Karhal NP (Mainpuri)	7147.29
26		Mainpuri	Kusmara NP (Mainpuri)	8930.31
27		Unnao	Bangarmau, NPP (Unnao)	8042.00
28	6	Pratapgarh	Bela Pratapgarh NPP(Pratapgarh)	31.7.24
29		Raebareilly	Lalganj NP (Raebareilly)	9481.00
30		Raebareilly	Salon NP (Raebareilly)	8879.00
31	7	AZAMGARH	Azamgarh NPP	43882.43
32		AZAMGARH	NP SARAI MIR (AZAMGARH)	10218.81
33		Ghazipur	Saidpur NP	9054.57
34	8	Bareilly	Faridpur, NPP (Bareilly)	20152.88
35		Budaun	Bisauli, NPP (Budaun)	17215.46
36		Budaun	Kakrala NPP(Budaun)	7160.38

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

S.N.	Cluster No.	District	ULB Name	Legacy waste Quantity
37		Budaun	Sahaswan NPP (Budaun)	27834.67
38		Budaun	Usawan, NP (Budaun)	9153.21
39		Pilibhit	Bisalpur NPP (Pilibhit)	15296.48
40		Pilibhit	Puranpur NPP(Pilibhit)	9525.79
41	9	Moradabad	AgwanpurNP (New) (Moradabad)	7754.25
42		Moradabad	BhojpurDharampur NP (Moradabad)	10985.94
43		Moradabad	Bilari NPP (Moradabad)	13707.48
44		Moradabad	Kanth NP (Moradabad)	16800.05
45		Moradabad	Kunderki NP (Moradabad)	13572.16
46		Sambhal	Sirsi NP (Sambhal)	9575.75
47	10	Bulandseher	NP AURANGABAD(BULANDBSHHR)	27208.43
48		Bulandseher	NP BUGRASI(BULANDBSHHR)	11597.52
49		Bulandseher	NP KAKOD (BULANDBSHHR)	8989.78
50		Bulandseher	NP KHANPUR(BULANDBSHHR)	12934.26
51		Bulandseher	NP PAHASU(BULANDBSHHR)	8625.24
52		Bulandseher	NPP SIKARPUR(BULANDBSHHR)	16964.34
53		Bulandshahr	NPP Dibai -Bulandseher	15861.62
54		GB Nagar	NP BILASPUR (GB NAGAR)	8168.00
55		GB Nagar	RabupuraNP(GB Nagar)	7538.40
56		Ghaziabad	Modinagar NPP	42586.30
57	Nagar Nigams	Kanpur Nagar	Kanpur NN	742935.00
58		Lucknow	Lucknow NN	633911.00
59		Moradabad	Moradabad NN	580000.00
60		Agra	Agra NN	463249.00
61		Aligarh	Aligarh NN	200000.00
62	SBM 1.0 Site	Banda	Banda NPP	73000.00

EOI for Selection and Empanelment of Agencies/Organizations having expertise in the processing of Municipal Solid Waste (MSW)/ Legacy waste remediation/ C&D Waste management.

Annexure VI: List of ULB's for C&D waste management

CONSTRUCTION & DEMOLITION (C&D) Proposed Plants		
S.N	ULB	Plant Capacity
1	Kanpur	200
2	Lucknow	100
3	Meerut	100
4	Saharanpur	70
5	Firozabad	50
6	Jhansi	50
7	Loni (NPP)	50
8	Prayagraj	50
9	Ayodhya	20

Note: ULBs work is subject to change as per the mandate of the Authority.