



**GREATER NOIDA INDUSTRIAL DEVELOPMENT AUTHORITY
GAUTAM BUDH NAGAR, UTTAR PRADESH**

EXPRESSION OF INTEREST (EOI)

for

**Setting up Waste Processing Plant in Greater Noida and
Converting Waste into Resource**

July 2024

Issued by:

Greater Noida Industrial Development Authority

Plot No. 1, Knowledge Park IV,
Greater Noida, Uttar Pradesh 201308.

Website: <https://www.greaternoidaauthority.in>

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Disclaimer

This Expression of Interest (Eol) for the " Setting up Waste Processing Plant in Greater Noida and converting waste into Resource" (hereinafter referred to as 'the Project'). Its primary objective is to provide potential participants with concise details about the Project and outline the scope of work involved. The core aim of this Eol is to solicit insights from prospective participants regarding the optimal resources that can be derived from wet, dry, domestic hazardous, electronic and all other types of waste generated in GNIDA.

While all efforts have been made to ensure the accuracy of information contained in this Eol document, this document does not contain all the information required by the participants. The participants are encouraged to conduct their own independent assessment, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their response. Greater Noida Industrial Development Authority (GNIDA or the Authority) and any of its employees or advisors shall incur no liability under any law, statute, rules, or regulations as to the accuracy or completeness of the Eol document.

GNIDA has issued this Expression of Interest with the best intention to explore the market for eligible and interested participants and has no compulsions to enter into definitive contractual agreements. This EOI does not guarantee conversion of this EOI into any definitive contractual agreements. GNIDA reserves the right to change any or all conditions/ information set in this Eol document by way of revision, deletion, updating or annulment through issuance of appropriate addendum as GNIDA may deem fit without assigning any reason thereof. GNIDA reserves the right to accept or reject any or all applications without giving any reasons thereof. GNIDA will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the applications to be submitted in terms of this Eol Document.

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EOI Data Sheet

S. No.	Particulars	Details
1	Name of Project	Setting up waste processing plant in Greater Noida and converting waste into resource
2	Authority's Project Representative	SM, Health Greater Noida Industrial Development Authority Plot No. 1, Knowledge Park IV, Greater Noida, Gautam Budh Nagar, Uttar Pradesh 201308 Email: health@gnida.in Website: www.greaternoidaauthority.in
3	Proposal Submission Start Date	15.07.2024, 11:00 PM (IST)
4	Last date for submitting response	29.07.2024, 05:00 PM (IST). All interested participants are requested to send their documents and presentation to health@gnida.in Marking copy to swmgnida@gmail.com
5	Presentation Date	02.08.2024, (12:00 Noon IST)
6	Response validity duration	180 days from the Last date of submission
7	EOI fee	INR 5000 in the form of Demand Draft (DD) in favour of Greater Noida Industrial Development Authority payable at Gautambudh Nagar. Scan copy of DD to be submitted along with other documents over email and original to be submitted at the time of presentation.

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1. Invitation for Expression of Interest

Greater Noida Industrial Development Authority (“GNIDA” or “the Authority”) invites Expression of Interest (Eol) for “setting up waste processing plant in Greater Noida and converting waste into resource” (“the Project”). Interested participants can download the document from the website www.greaternoidaauthority.in , and submit their “Expression of Interest” in the formats duly filled and signed with required enclosures, via email superscribed “setting up waste processing plant in Greater Noida and converting waste into resource”

2. Key Instructions

Interested participants should make note of the following key points:

- a) This Eol invitation document is not a Tender or Request for Proposal in any form and would not be binding on GNIDA in any manner whatsoever.
- b) GNIDA reserves the right to cancel the Eol invitation as a whole or in part without assigning any reasons.
- c) The participants are encouraged to conduct their own independent assessment, investigations and analysis and check the reliability, accuracy and completeness of the information at their end and obtain independent advice from relevant sources as required before submission of their response.
- d) GNIDA encourages interested participants to contact the Health Department for any query.
- e) GNIDA reserves the right to update, amend and supplement the information given in this document at its sole discretion before the last date and time of submission of the responses.
- f) Participants should submit their response in English language and as per formats provided in the last section of this document. Submission not conforming to the instructions or prescribed formats will be rejected.
- g) The key dates and information for the Project are given in Eol Datasheet.

3. Introduction

Swachh Bharat Mission (SBM) has added impetus to sanitation and waste management across India. In line with SBM, Greater Noida Industrial Development Authority has taken up multiple initiatives to improve sanitation and waste management activities. Greater Noida, spread over an area of about 222.22 sq. kms, is being developed as an integrated industrial town close to National Capital, New Delhi. It comprises of nearly 95 Sectors and 124 villages divided into 8 administrative zones called work circles. The population of Greater Noida as per 2011 census was ~ 1lac. The current population is estimated to be approximately 10-12 lacs.

One of the key goals of the SBM is to achieve 100% scientific processing of Municipal Solid Waste (MSW). As a component of a comprehensive waste management strategy, the Authority has opted to explore the most effective and efficient methods for processing and end products derived from wet, dry, domestic hazardous, electronic, horticulture, cow-dung and all other types of waste generated within the GNIDA area. This EOI specifically concerns waste that is being generated in Greater Noida. This scope of work for this EOI is described in

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subsequent paragraphs. The participant is required to comply with Solid Waste Management Rules 2016, Plastic Waste Management Rules 2016, Bio-medical Waste Management Rules, 2016, Hazardous and other Waste (management and Transboundary Movement) Rules 2016, E-Waste Management Rules 2016, State pollution control norms, CPHEEO Norms, etc. for carrying out the scope of work.

4. Vision

The vision for transforming waste management practices in Greater Noida aims to revolutionize the city into a model of cleanliness and sustainability. Through innovative technologies and strategic partnerships, the goal is to convert waste into valuable resources, paving the way for Greater Noida to become a shining example of effective urban waste management in the country.

5. Scope of Work

Participants are expected to present diverse waste treatment technologies for all type of waste generated in Greater Noida, including the resultant end products. Proposals are encouraged for centralized, decentralized, bulk generator-level, or standalone solid waste processing in GNIDA. The EOI aims to compile a comprehensive list of technologies that facilitate the conversion of diverse wastes into valuable resources in Greater Noida. Integrating advanced processing tech and sustainable practices to achieve specific objectives.

Resource Recovery: Implementing state-of-the-art techniques to extract valuable materials and energy from waste streams, thereby reducing reliance on finite natural resources and minimizing environmental impact.

Circular Economy: Fostering a circular economy model wherein waste is viewed as a valuable resource that can be reused, recycled, or repurposed to create new products and generate economic opportunities.

Environmental Sustainability: Mitigating pollution, greenhouse gas emissions, and landfill pressures by diverting waste from disposal sites and promoting responsible waste management practices.

For instance, from wet waste treatment, one can expect to obtain end products such as compost, biofertilizers, CNG, biogas, as well as heat and electricity generation. Similarly, dry waste treatment typically yields recyclable materials, refuse-derived fuel, secondary raw materials, alternative fuels, construction materials, and more. Likewise, domestic hazardous, electronic, and horticulture waste can be transformed into valuable resources through appropriate treatment methods.

The above list is not exhaustive and other technologies and end resources can also be proposed.

A general overview of responsibilities is mentioned below:

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Responsibilities of GNIDA	Responsibilities of Vendor
<p>i. Finalising and earmarking land for setting up the project.</p> <p>ii. Facilitate the Concessionaire in obtaining requisite permits, approvals, NOCs etc.</p> <p>iii. Access road/ electricity/ water/ streetlight/ drainage/ sewer will be provided by the GNIDA up to the Plot.</p> <p>iv. Providing room in GNIDA office for setting up control room, if required</p>	<p>i. Deploy adequate number of equipment's and manpower for smooth execution processing and disposal.</p> <p>ii. Establish market linkages for by-products from waste processing.</p> <p>iii. Timely submit monthly reports to the Authority.</p> <p>iv. Ensure compliance with various laws and regulations applicable from time to time.</p> <p>v. Ensure availability and timely renewal of requisite permits, consents, and NOCs.</p> <p>vi. Set-up a complaint redressal mechanism and ensure timely resolution of complaints.</p> <p>vii. Hand over peaceful possession of the site to Authority, upon completion or termination of contract, without any encumbrances and liability whatsoever</p>

GNIDA will allocate land for waste processing and treatment. However, ownership of the land will remain with GNIDA in accordance with the Uttar Pradesh state solid waste policy and applicable rules and regulations.

Uttar Pradesh Government has notified "Uttar Pradesh Solid Waste Management Policy vide GO no. 1940/नौ-5-18-360सा/2016, which can be accessed at <https://urbandevelopment.up.nic.in/>. As per page number 22 of the policy: 2. *Promotion of Private participation and investment in Solid Waste Management (collection, segregation, transportation, processing and disposal)*.

(a) In cases where the private investor or partner's requirement is only the land on long term lease (25-30 years) and the solid waste from the Urban Local Body:

Any proposal from Private Entity / Investor / NGO / Organization received in the Government / Directorate or Urban Local Body for Solid Waste Management activities in any ULB area or group of ULBs in the State, without asking for any financial assistance, whether one time or recurring, the proposal will be scrutinized by the State Level Committee constituted for the purpose, and permissions for implementation of the project will be granted based on the recommendations of the Committee by the authority competent to approve the grant of long term lease of the ULB land.

Proposed revenue streams for sale of end products from treated waste. Explore potential methods of compensating GNIDA with mutual agreement from both parties.

The approval will be with the following conditions:

- i. The land required for the implementation of the project available with the ULB will be given on lease with lease rent @Rs. 1 per sq. mt. /year as per UP SWM Policy;

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- ii. The land assigned to the developer would not be used for any other activity expect for approved project activities.
- iii. The project proponent is not allowed to mortgage the land or take loan the land.
- iv. GNIDA will not provide any funds for the establishment of plants.
- v. GNIDA may assist in facilitating the transportation of waste to the processing plant.
- vi. Access road / electricity / water / streetlight / drainage / sewer will be provided by the GNIDA up to the Plot.
- vii. The concessionaire will be entitled to sale or charge for the products and by-products produced in the process of solid waste management.
- viii. The Agency have to fulfil MSW-2016 & other applicable Government Norms.
- ix. The Agency have to obtain required permission from concern Department at his own.
- x. In case of non-implementation of Plant within 03 Years, the land will automatically go back to GNIDA. However, the ownership of land shall always remain with GNIDA.
- xi. The concessionaire must submit an affidavit. If performance standards are not met after three notices, the concessionaire may be asked to vacate. GNIDA reserves the right to reclaim the land.
- xii. The concessionaire have to bear all electricity charge, water charge, running cost (Capex/Opex), site development & any other charge and tax liabilities at his own cost.
- xiii. When drafting proposals, it's important to factor in the possibility that the agency may need to handle both mixed waste and segregate it internally.

6. Participation Criteria for this EOI

GNIDA is looking for participants who have innovative ideas for converting waste into valuable resources and products. Participants could be students, startups, NGOs, private companies, and others.

Participants must present their ideas according to the specified presentation of interest outlined in Section 7. Additionally, participants are required to submit pdf versions of Annexure 1 and Annexure 2 in the formats provided in Section 9 along with the presentation to health@gnida.in marking copy to swmgnida@gmail.com

7. Presentation of Interest

Interested participants are kindly requested to submit their presentations in PDF format to the provided email address. The Presentation can be made in hybrid mode i.e. online & offline (whichever is convenient to the participants). The presentation should talk about the following aspects.

i. Introduction and Company Overview:

- Introduce the presenting company and provide an overview of its background, experience, and expertise in similar ventures.

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- Set the context by emphasizing the unique challenges faced by traditional waste management including waste characterization, processing and disposal, selling of by-products in cities.
- ii. **Understanding of Scope of Work:**
 - Demonstrate a thorough understanding of the outlined scope of work, emphasizing how the company plans to fulfil each component effectively.
- iii. **Holistic Vision and Approach**
 - Describe how your visionary approach aligns with the objectives of operational excellence, efficient processing, and treatment, establishing market linkages for by-products, resourceful ICT/ Digital Tools/Technology usage, Environment, Health and Safety Policy & Practice, compliance, and reporting.
 - Showcase your strategies for efficient labour coordination & management with other agencies working in GNIDA, customer service, and conflict resolution considering active labour unions in Greater Noida area.
 - Suggest Penal clauses for different Key performance Indicators.
 - Suggest number of years of contract for which tender can become viable.
- iv. **Project Management**
 - Present your strategic project management methodology that ensures efficient planning, coordination, and successful execution.
 - Illustrate how you will prioritize and implement project for maximum impact.
 - Indicative project cost and broad assumptions for various revenue and cost heads
- v. **Balanced Infrastructure Evaluation**
 - Explain your method of assessing current and future infrastructure needs, ensuring sustainability over a minimum 15-year timeframe.
 - Describe your data-driven approach to identifying gaps and proposing well-rounded solutions.
- vi. **Resource-Optimized Planning**
 - Present your innovative strategies for optimizing existing infrastructure in a way that enhances capacity and efficiency.
 - Demonstrate how you plan to integrate technology and eco-friendly practices for measurement.
 - Demonstrate quantity of waste & type of waste required, land required and revenue sharing model
- vii. **Illustrative Case Studies:**
 - Share relevant case studies from your portfolio that exemplify successful implementations of processing and treatment of solid waste at city level.
 - Showcase how your solutions have brought positive change to similar contexts.

8. Selection Process

The EOI is issued only with a purpose of collection of information from interested parties and GNIDA reserves the right to proceed ahead with the Project. However, the applications received shall be reviewed carefully and interactions with the applicants will be likely scheduled before finalisation of Project terms and conditions.

9. Formats for submission of information

Annexure 1: Format for Covering Letter

[On the letterhead of applicant]

Date:

To,

Senior Manager, Health

Greater Noida Industrial Development Authority

Plot No. 1, Knowledge Park IV,

Greater Noida, Gautam Budh Nagar, Uttar Pradesh 201308

Sub: Expression of Interest (EOI) for setting up waste processing plant in Greater Noida and converting waste into resource

Dear Sir,

With reference to your EOI document dated _____, I/We the undersigned am/are hereby Expressing our Interest for setting up waste processing plant in Greater Noida and converting waste into resource.

I/We understand that based on responses, the Authority shall finalize the concept and other requirements. Further, the issue of this EOI does not imply that the Authority is bound to appoint any applicant, as the case may be, for the Project.

I/We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

(Name and Title of the Signatory)

In the capacity of

Name of the Entity: (To be left blank in case of individual)

Registered Address of the Entity: _____

Email ID: _____

Contact Number: _____

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Annexure 2: Details of the Applicant

[Please capture all relevant information]

S. No.	Particulars	Details
1. (a)	Name of Entity	
(b)	Registered Address	
(c)	Postal Address	
(d)	Telephone / Mobile No.	
(e)	E-Mail Address	
(f)	Type of entity	
(g)	Registration number of Entity	
(h)	PAN No	
(i)	GST Registration No.	
2	Details of individual(s) who shall serve as the point of contact/ communication for GNIDA:	
(a)	Name	
(b)	Designation	
(c)	Address	
(d)	Telephone / Mobile No.	
(e)	E-Mail Address	