



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

EXPRESSION OF INTEREST (EOI)

for

**Comprehensive E-waste Management System for
Collection, Transportation, Processing, and Safe Disposal
in Greater Noida**

November 2024

Issued by:

Greater Noida Industrial Development Authority

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

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

Disclaimer

This Expression of Interest (EOI) aims to explore "Comprehensive E-waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida" (hereinafter referred to as 'the Project'). The aim of this EOI is to solicit insights from prospective participants regarding the best mechanism that can be handle the E-waste being generated in GNIDA at all the levels of its value chain. Its objective is to provide potential participants with concise details about the project and scope of work involved.

While all efforts have been made to ensure the accuracy of information, this EOI does not contain all the information required by the participants. The participants are encouraged to conduct their own independent assessment, investigation, analysis and check the reliability, accuracy and completeness of the information and obtain independent advice from relevant sources as required before submitting the response. Greater Noida Industrial Development Authority (GNIDA or the Authority) or 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 EOI document.

GNIDA has issued this EOI 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 EOI 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 EOI Document.

EOI Data Sheet

S. No.	Particulars	Details
1	Name of Project	Comprehensive E-waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida
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	25.11.2024, 11:00 PM (IST)
4	Last date for submitting response	15.12.2024, (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	To be communicated via email
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 Gautam Budh 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 (EOI) for "Comprehensive E-waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida". Interested participants can download the document from the website www.greaternoidaauthority.in and submit their response in the prescribed formats duly filled and signed with required enclosures, via email superscribed in EOI Data Sheet.

2. Key Instructions

Interested participants should make note of the following key points:

- a) This EOI 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 EOI 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 can contact the Health Department, GNIDA for any queries.
- 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 EOI 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 ~ 1 lakh. The current population is estimated to be approximately 8-10 lacs.

Due to rapid urbanization in most of the cities, management of electronic waste is becoming a challenge. Therefore, it is required to implement sustainable electric waste management projects. GNIDA intends to engage an end-to-end service provider for management of E-waste generated within Greater Noida. The scope would include collection, transportation, processing and reuse/ scientific disposal of E-waste.

GNIDA is committed to achieve the goals of Swachh Bharat Mission of 100% scientific processing of waste. In view of this, GNIDA wants to encourage firms that are involved in collection transportation and processing of waste on a smaller scale and self-sustainable model.

As per the E-Waste (Management) Rules 2016 *“e-waste’ means electrical and electronic equipment, whole or in part discarded as waste by the consumer or bulk consumer as well as rejects from manufacturing, refurbishment and repair processes.”*

E-waste can be collected in several categories as defined in the E-waste management rules such as laptops, mobiles phones, earphones etc. are as a whole or their spare parts. The segregated items can further break to its smallest unit level and make new products out of them. They can also extract precious materials from collected E-waste.

Objective

Project objectives are aligned with the objectives of Swachh Bharat Mission (Urban). The key objectives of the project are as follows:

- a) Modern and scientific E-waste collection and transportation, processing, and disposal as per E-waste management rule 2016 & E-waste amended rules 2018 in Greater Noida
- b) To effect behavioural change regarding healthy sanitation practices & good waste management
- c) Generate awareness about necessity of E-waste management.
- d) Capacity Augmentation of Authority in the desired sectors

4. Scope of Work

GNIDA invites “Expression of Interest” from the entities/ operators/ NGOs interested to show case their interest in collection, transportation, processing & disposal of electronic waste.

The agency is required to carry out electronic waste management across residential, industrial, commercial, institutional areas and etc of Greater Noida. In order to achieve it, the required agency has to develop a mechanism of collection, transportation and recycling / disposal in accordance with E-waste management rules, 2016 & E-waste amended rules 2018.

Intended scope for E-Waste Management include, but not limits to following activities.

- i. Collection of E-waste from designated collection points. Vendor will also be responsible to carry out IEC activities for awareness and behavioural change and encourage citizens for source segregation of e-waste
- ii. Mobilizing resources for collection, transportation and processing
- iii. Civil Construction of the treatment/ processing facility including land levelling, foundation, super structure etc.
- iv. Construction and operation of the processing facility using suitable technology

- v. Segregation of waste and selling it to authorized dealers
- vi. Sale of recovered material from the processing of waste
- vi. Ensuring tie ups/ adequate arrangements to disposing off hazardous waste
- vii. Storage facility for e-waste.
- viii. Setting up IT system for monitoring operations (CCTV, data management, digital weighment system etc.)
- ix. Vendor will be required to obtain necessary permissions/approvals from relevant authority for specific processes/machineries it proposes to use at the facility (as applicable)

A general overview of responsibilities is mentioned below:

Responsibilities of GNIDA	Responsibilities of Vendor
<ul style="list-style-type: none"> i. Finalising and earmarking land for setting up the project. ii. Facilitate the Concessionaire in obtaining requisite permits, approvals, NOCs etc. iii. Access road/ electricity/ water/ streetlight/ drainage/ sewer will be provided by the GNIDA up to the Plot. iv. Providing room in GNIDA office for setting up control room, if required 	<ul style="list-style-type: none"> i. Deploy adequate number of equipment's and manpower for smooth execution collection, transportation, processing and disposal. ii. Establish market linkages for by-products from waste processing. iii. Timely submit monthly reports to the Authority. iv. Ensure compliance with various laws and regulations applicable from time to time. v. Ensure availability and timely renewal of requisite permits, consents, and NOCs. vi. Set-up a complaint redressal mechanism and ensure timely resolution of complaints. vii. Hand over peaceful possession of the site to Authority, upon completion or termination of contract, without any encumbrances and liability whatsoever

GNIDA will allocate land for secondary storage, 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.

Proposed revenue streams are 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 assigned to the developer would not be used for any other activity expect for approved project activities.
- ii. The project proponent is not allowed to mortgage the land or take loan the land.
- iii. GNIDA will not provide any funds for the establishment of plants.
- iv. Access road / electricity / water / streetlight / drainage / sewer will be provided by the GNIDA up to the outer boundary of the site/battery limit.
- v. The concessionaire will be entitled to sale or charge for the products and by-products produced in the process of E-waste management.

- vi. The Agency have to fulfil E-waste management rules-2016& E-waste amended rules 2018 and other applicable Government Norms.
- vii. The Agency have to obtain required permission from concern Department at his own.
- viii. 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.
- ix. 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.
- x. The concessionaire has to bear all electricity charge, water charge, running cost (Capex/Opex) within the site, site development & any other charge and tax liabilities at his own cost.

5. Participation Criteria for this EOI

GNIDA is looking for participants who have innovative ideas and proven track record of in E-waste management. Participants could be startups, NGOs, private companies, and others.

Participants must present their ideas according to the specified presentation of interest outlined in Section 6. Additionally, participants are required to submit pdf versions of Form 1, Form 2, Form 3, Form 4, Annexure 1 and Annexure 2 in the formats provided in Section 8 along with the presentation to health@gnida.in marking copy to swmqnida@gmail.com

6. 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.
- 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.
- vii. Illustrative Case Studies:**
- Share relevant case studies from your portfolio that exemplify successful implementations of E-waste management at city level.
 - Showcase how your solutions have brought positive change to similar contexts.

7. 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.

8. Formats for submission of information

Form 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 Comprehensive E-waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida

Dear Sir,

With reference to your EOI document dated _____, I/We the undersigned am/are hereby Expressing our Interest in Comprehensive E-waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida.

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: _____

Form 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	

Form 3: Format for Financial Capability of the Bidder

(Equivalent in Rs. crores)

Applicant*(Name of Bidder)				
FY	2021-22	2022-23	2023-24	Total	Average
Annual Turnover					

Certificate from the Statutory Auditor

This is to certify that(Name of the Bidder) has received the payments and annual turnover as shown above against the respective years.

Name of the audit firm:

Seal of the audit firm

Date:

(Signature, name and designation of the authorized signatory)

The Agency should provide the Financial Capability based on its own financial statements. Financial Capability of the Bidder's parent agency/firm or its subsidiary or any associate agency/ firm will not be considered for computation of the Financial Capability of the Bidder.

* Bidder should fill in details as per the row titled Annual turnover.

Form 4: Engagement Experience

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

Assignment name:	Value of the contract (in current INR):
Country:	Duration of assignment (months):
Name of Employer:	Total No of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current INR):
Start date (month/year): Completion date (month/year):	
Narrative description of Project:	

(Along with the details the bidder is also required to submit the certificate of completion/ Work undertaken for each of the projects)

Annexure 1: Project conceptualization information including approach and methodology:

Provide per tonne rates

S. No.	Particulars	Details
1	Indicative space requirement for managing one tonne of E-waste	_____ Sq. Mtr
2	Proposed Lease rent for Land provided by GNIDA	Rs. _____ /Sq. Mtr
3	Fixed infrastructure required (type of civil/permanent structure with estimated area for packaging, sorting, storage; and area required for any other related activity to complete the process)	i. ii. iii. iv. v.
4	Proposed Technologies, Equipment, Processes to be deployed (with respective purpose). Space requirement and broad estimate of cost	i. ii. iii. iv. v.
5	Green/ Open area around the site	_____ % of the site area
6	Site layout and fixed infrastructure	Yes/ No
7	Manpower required to collect, transport and process e-waste from collection points	_____ persons for collection and _____ persons for operations of processing facility
8	Type of collection vehicles and number of vehicles to be deployed for collection and transportation of e-waste.	
9	Capacity of the processing facility	
10	Technology adopted and list of equipment and BOQ	

EOI for Comprehensive E-Waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida

S. No.	Particulars	Details
11	Approximate Operational cost (enclose break-up and assumptions)	INR _____ Lakhs per month
12	Approximate Capital (equipment/ machinery/ movable assets) cost	INR _____ Lakhs
13	Proposed price list for E-waste as per tentative price list in Annexure 2	
14	Interested in sharing profits with GNIDA in the form of royalty	
15	Project Tenure	

Note: Each page of supporting documents should be duly signed by the applicant.

EOI for Comprehensive E-Waste Management System for Collection, Transportation, Processing, and Safe Disposal in Greater Noida

Annexure 2: Tentative Price list for E-waste

S. No	Products	Functional Full Unit INR /KG	Non-Function Full Unit INR /KG
1	Dryers	50.00	10.50
2	Refrigerators	50.00	10.53
3	Microwaves	50.00	12.50
4	Dishwashers	40.00	10.50
5	Air Conditioners	78.50	26.50
6	Ovens & Cookers	30.50	10.50
7	Washing Machines	40.00	10.50
8	Fans	25.00	10.00
9	Phones Mobile Accessories	100.00	10.50
10	Earphones/Headphones	30.50	10.50
11	Speakers (Audio Systems)	30.50	10.50
12	PC Accessories	70.00	15.17
13	TV LCD	70.00	22.36
14	Portable BT Speakers/MP3 Players	50.00	14.02
15	MP3 Accessories	50.00	10.00
16	Digital Cameras	100.00	10.17
17	Printers	70.00	19.00
18	Tablet	100.00	10.50
19	Mixer Grinder	40.00	10.00
20	Router	246.50	82.50
21	Laptop	792.50	264.50
22	Computers	150.00	31.83
23	Smartphones	764.50	255.17
24	Feature Phone	666.50	222.50
25	Vacuum Cleaner	50.00	10.50
26	Geyser	50.00	10.50
27	Water Purifier/RO	50.00	10.50
28	Cameras	60.00	10.50
29	TV LED	80.41	27.14
30	Induction Stove	50.00	10.50
31	Iron	50.00	10.50
32	Amplifier	50.00	28.25
33	CPU Cabinet	572.00	194.00
34	Docking Station	99.50	33.50
35	Facsimile	50.00	3.31
36	Hard Disk	70.00	33.50
37	LAN Card	70.00	21.83
38	CRT Monitor	70.00	7.42
39	Motherboard	834.50	278.50
40	Panel and Exchange	519.50	173.50
41	Pen Drive	204.50	68.50
42	Plotter	2783.50	928.19
43	Power cable	309.50	103.50
44	RAM	125.75	42.25
45	Connector	60.00	16.17
46	Scanner	80.00	2.88
47	Set-top Box	73.25	24.75
48	Telephone	78.50	26.50
49	UPS 30KVA	2469.50	823.50
50	Access	1044.50	348.50
51	Electric Kettle	134.50	45.17
52	Graphic Card	1044.50	348.50
53	Inverter	60.00	17.94
54	Keyboard	75.00	16.88
55	Light Fittings	47.00	16.00
56	Mouse	236.00	79.00
57	Patch Cable	50.00	16.00
58	Photocopier	89.00	30.00
59	Point UPS Battery	70.00	10.00
60	Power Extension Cord	50.00	10.50
61	USB Converter	50.00	10.00
62	Router - Small	169.50	56.83
63	Server	80.00	24.39
64	SMPS	70.00	20.13
65	Tablet	100.00	27.67
66	UPS 600VA	75.00	13.90
67	Wire (Copper) Fitting Wire	80.00	200.00
68	Wire (Copper) Data Wire	80.00	200.00
69	Wire (Copper) Lead Wire	80.00	200.00
70	Wire (Aluminum) More than 40mm	50.00	40.00
71	Wire (Aluminum) More between 20-40mm	50.00	40.00
72	Wire (Aluminum) Less than 20mm	50.00	40.00
73	DVD/VCD/VCR	163.02	54.67
74	Video Camera	1044.50	348.50
75	Water Cooler	50.00	10.00