



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

EXPRESSION OF INTEREST (EOI)

for

**Integrated Mechanical & Manual Sweeping of Main Roads
and Service Roads in Greater Noida**

November 2023

Issued by:

Greater Noida Industrial Development Authority

Plot No. 1, Knowledge Park IV,

Greater Noida, Uttar Pradesh 201308.

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

EOI for Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in
Greater Noida

Disclaimer

This Expression of Interest (Eoi) for "Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida" ('the Project') contains brief information about the Project and scope of work for the prospective Bidder. The purpose of Eoi is to provide the Bidder with information to assist the formulation of their response.

While all efforts have been made to ensure the accuracy of information contained in this Eoi document, this document does not contain all the information required by the Bidder. The Bidder 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 Eoi document.

GNIDA has issued this Expression of Interest with the best intention to explore the market for eligible and interested bidders 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 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 Eoi Document.

EOI for Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida

EOI Data Sheet

S. No.	Particulars	Details
1	Name of Project	EOI for Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida (Roads with width of 24m and 45m)
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 Presentation Date	23/11/2023, 04:00 PM (IST) (Board Room, 4th Floor, Admin Block, GNIDA, Knowledge Park IV, Greater Noida)
4	Proposal Due Date (PDD)	22/11/2023, 05:00 PM (IST). All interested participants are requested to send their documents and presentation to health@gnida.in
5	Response validity duration	180 days from the Last date of submission
6	EOI fee	Nil

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Greater Noida

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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 “Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida” (“the Project”). Interested Bidders 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 “Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida”

2. Key Instructions

Interested Bidders 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 Bidders 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 bidders to contact the Health Department.
- 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) Bidders 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 380 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 8-10 lacs. It is estimated that the city generates approximately 300-350 tons of waste every day from various sources.

As a part of holistic waste management strategy, the Authority has decided to undertake Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida. The Concessionaire is required to comply with Solid Waste Management Rules 2016, CPHEEO Norms, etc. for carrying out the scope of work.

4. Scope of Work

The total main road length having width equal to, or more than 24 m and 45 m is estimated to be approximately 200 km and 206 km, respectively. Authority has decided to undertake Mechanical sweeping of these roads & Manual Sweeping of adjacent service lanes. For the ease of implementation, GNIDA has bifurcated it into four separate Parts having total road length of approx. 50 kms each. The road inventory details for roads having width equal to, or more than 45 m are furnished in **Appendix 1**. However, bidders are encouraged to conduct their own survey and road assessment in Greater Noida for better understating of the serviceable area. The scope of work includes:

- Mechanical Sweeping of main roads (both sides of main verge) including providing vehicle and operation and maintenance of vehicle
- Manual Sweeping of service roads (both sides of main roads) roads along with Parking areas, Market areas (berms having pavers/tiles or without pavers/tiles) and footpaths between Market Corridors and the Parking areas.
- Deploy adequate number of vehicles and manpower for smooth execution of the project
- Suggest type of vehicle required for road sweeping (however, Truck Mounted road sweeping vehicle is preferred), footpath washing, transportation of collected garbage, inert and garden waste etc
- Ensure compliance with various laws and regulations applicable from time to time including CPHEEO norms
- Ensure that GPS system is installed in all the mechanized sweeping vehicles along with the four-way CCTV camera (Front, Rear, Left and Right) which can be integrated with multiple monitoring systems including web, android and IOS.
- Transportation of the collected waste/dust/dirt/inert in closed vehicles at the sanitary landfill facility located in Astauli or any other designated spot
- Removal of garbage lying in central verge, road berms, footpath, main roads, service roads and other serviceable area.
- Ensure proper sweeping and cleaning from all weekly markets (**Appendix 2**).
- Keep the Road Gully neat and clean from outside i.e. free from grass, leaves, dust etc.
- Adopt digital attendance system to monitor the staff through Mobile App based (Facial recognition plus geofencing enabled/ configurable). Provide real time data that can be integrated with Authority's ERP system/One Map/ ICCC using APIs/ suitable means to provide real time updates.
- Ensure availability and timely renewal of requisite permits, consents and NOCs.
- Set-up a 24x7 complaint redressal mechanism along with Complaint Cell or control room and ensure timely resolution of complaints.
- The Successful bidder shall employ and provide Sweepers, helpers, drivers, supervisors, managers, Vehicle mechanic, Operations Managers etc. as is required to manage the complete project.
- Identify location for setting up Workshop and parking of vehicles/machines. However, GNIDA may consider setting up parking and workshop facility waste at processing site at Astauli and Lakhnwali.
- Roads to be kept litter free from wall to wall all the time

A general overview of responsibilities is mentioned below.

EOI for Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida

Responsibilities of GNIDA	Responsibilities of Vendor
i. Finalising and earmarking land for setting up workshop and parking facility for vehicles ii. Facilitate the Concessionaire in obtaining requisite permits, approvals, NOCs etc. iii. Providing room in GNIDA office for setting up control room	i. Mobilize resources for Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida ii. Deploy adequate number of vehicles and manpower for smooth execution of the project. 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

Revenue sources for Vendor can be:

- i. Rate per running KM
- ii. Monthly Rate

5. Participation Criteria for this EOI

The EOI proposal submitted by the participants clearing the following criteria will be eligible for evaluation (only eligible participants will be called for presentation) along with duly filled Forms attached along with this EOI document:

S. No.	Eligibility Conditions	Documentary proof to be submitted
1	The Bidder should be an Indian entity registered under the Companies Act Or Partnership firm/ (s) registered under the Partnership Act of 1932 or registered (converted to) under the Indian Limited Liability Partnership Act, Or registered under the Indian Societies Act / Indian Trust Act / Indian Religious and Charitable Trusts Act / Section-8 company Or registered as a not for profit organization under the Companies Act or the relevant State Acts in India. The entity/ ies should be registered in India.	1. Company Registration certificate/Partnership Deed/ Trust Deed/ Section 8 Company Certificate 2. PAN card copy 3. GST registration
2	Average Annual turnover (Start-ups may be exempted from this criteria, provided they are associated with professionals with a proven track record in planning and implementation of Mechanical and Manual road sweeping work at city level)	Audited Financial statements – Balance Sheets, Profit and Loss Accounts, Annual Reports, CA certificate
3	The bidder should have in the last 7 years completed or currently working on similar projects in	As per format

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	implementation of Mechanical and Manual road sweeping work at city level having minimum population of 5 Lakh (Start-ups may be exempted from this criterion, provided they are associated with professionals with a proven track record in planning and implementation of Mechanical and Manual road sweeping work at city level)	
4	The Bidder should have Income tax, PAN, GST Registration, any other competency certificate (if any) proving Institutional (Offices) nature of the organization and nature of activities (Offices) to be carried out.	Respective certificates

6. Presentation of Interest

Interested participants are kindly requested to submit their presentations in PDF format to the provided email address. 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.
 - Set the context by emphasizing the unique challenges faced by traditional road sweeping work 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 road sweeping, resourceful ICT/ Digital Tools/Technology usage, T&P maintenance, Environment, Health and Safety Policy & Practice, compliance, and reporting.
 - Showcase your strategies for efficient labour coordination & management, customer service, and conflict resolution considering active labour unions in Greater Noida area.
- 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, accounting for a sustainable 5-year horizon.
 - 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.

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- Exemplify how you are going to utilise IEC and BCC initiatives to promote cleanliness of roads by citizens
- 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 road sweeping work at city level.
- Showcase how your solutions have brought positive change to similar contexts.

All participants will be called for presentation at a later date.

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.

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8. 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 Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads in Greater Noida

Dear Sir,

With reference to your EOI document dated _____, I/We the undersigned am/are hereby Expressing our Interest for Integrated Mechanical & Manual Sweeping of Main Roads and Service Roads 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)
Company Seal _____
(Name of the Entity): _____
(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)	Company	
(d)	Address	
(e)	Telephone / Mobile No.	
(f)	E-Mail Address	

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Annexure 3: Financial Capability

Particulars	Annual Turnover (INR)
2019 – 2020	
2020 – 2021	
2021 – 2022	
2022 – 2023	
<i>Total</i>	<i>Average Annual Turnover</i>

Note: Copy of the Audited Balance sheet and ITR duly certified, shall be attached as proofs.

On Behalf of (Name of the Bidder)

Signature of the Authorized Person

Name:

Designation:

Annexure 4: Details of Relevant Works Completed in Last 7 Years

#	Name of Client and Place of Operation (City, State)	Scope of Project (Road sweeping), Kilometres cleaned annually	Project Value (INR)	Project Start and End date (MM.YYYY)	Commercial Operation Date (COD) (MM.YYYY)	ICT/ Technology usage in past projects
1						
2						

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Annexure 5: Project Concept

Provide data for project conceptualization information:

S. No.	Particulars	Details
1	Fixed infrastructure required (Type of civil/permanent structure with estimated area for parking, workshop etc)	i. ii. iii. iv. v.
2	Whether flexible with the site layout and fixed infrastructure	Yes/ No
3	Proposed Digital interventions/ Technologies for monitoring of vehicle tracking, road coverage etc	i. ii. iii.
4	Manpower required for overall project	i. ii. iii.
5	Type of sweeping vehicles to be used for cleaning roads, washing footpath, transporting collected waste etc	i. ii. iii.
6	Approximate Operational cost (enclose break-up and assumptions)	INR _____ Lacs per month
7	Approximate Capital (equipment/ machinery/ movable assets) cost	INR _____ Lacs
8	Estimated Revenue generation (enclose break-up and assumptions)	INR _____ Lacs per month
8	Bid Value	i. Running km ii. Average Monthly rate iii. Other, (specify)

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

Appendix 1: Road Inventory Details

All main roads of Greater Noida having width equal to, or more than 45 m are divided into four different parts which are described below. However, bidders are encouraged to conduct their own survey and road assessment in Greater Noida for better understating of the serviceable area.

S. No.	Name of Road	Road Length (In Km)	Right of Way (ROW) (In Mtr)	Area in Hectares
Part-1				
1	तिगरी रोड़ से गौड सिटी-2 कोने टी पॉइन्ट तक (नाले के साइड का रोड़)	0.9	24	2.16
2	गौड सिटी-2 टी पॉइन्ट से एण्ड पॉइन्ट तक (गौड सिटी-2 के पीछे का रोड़/गौड इंटरनेशनल स्कूल एवं द मदर स्कूल महागुन के बीच का रोड़)	0.9	45	4.05
3	गौड सिटी-1 टी पॉइन्ट एंज.के.जी. पॉम ग्रीन से टिगरी 60 मीटर रोड़ तक	0.9	60	5.4
4	130 मी0 रोड़ से (एम्स गौफ्स टाउन एवं ब्लू सफायर प्लाजा) से शाहबेरी तक (ए.बी.ई.एस. कॉजेल वाला रोड़)	0.6	45	2.7
5	130 मी0 रोड़ (इण्डियन ऑयल पेट्रोल पम्प, सुपरटेक ईकोविलेज-2) से सुपरटेक ईकोविलेज-2 एण्ड पॉइंट तक (सुपरटेक ईकोविलेज-2 एवं आस्था ग्रीन के बीच का रोड़)	0.5	45	2.25
6	130 मी0 रोड़ एक मूर्ति गोल चक्कर से रेलवे लाइन तक (सुपरटेक ईकोविलेज-3 एवं अजनारा गोल चक्कर होते हुये)	2.46	60	14.76
7	सेक्टर-16 रेजीडेन्सियल जी. एच-05 से जी.एच-03 तक (पीछे वाली रोड़)	0.4	45	1.8
8	एस.के.एल. वर्ल्ड स्कूल एवं निराला स्पायर से सुपरकास्ट तक (निराला स्पायर, विक्टर वन एवं के ग्रीन-1 एवं एस.के.एल. वर्ल्ड स्कूल के बीच का रोड़)	1.1	45	4.95
9	एस.के.एल. वर्ल्ड स्कूल से सुपरटेक ईकोविलेज-3 एवं अजनारा गोल चक्कर तक (अजनारा, निराला एम्पायर, गुलशन होम एवं सुपरटेक ईकोविलेज-3 के बीच का रोड़)	0.61	45	2.74
10	अजनारा एवं सुपरटेक ईकोविलेज-3 गोल चक्कर से रोजा याकूबपुर एवं मिलक लच्छी के बीच तक (फुल रोड़)	1.4	60	8.4
11	रोजा याकूबपुर एवं मिलक लच्छी के बीच से 130 मी0 रोड़ मिलक लच्छी रोटर तक (रोटोकॉम्स कम्पनी के साइड का रोड़)	0.7	60	4.2
12	130 मी0 रोड़ पंचशील ग्रीन्स एवं अजनारा होम्स से पंचशील सोसाइटी के एण्ड पॉइंट तक (पंचशील एवं अजनारा के बीच का रोड़)	0.4	45	1.8
13	टेकजोन-4 गौड सिटी गोल चक्कर के पास टी पॉइंट (यामाहा कम्पनी वाले 60 मी0 रोड़) से नोएडा लिंक ब्रिज गोल चक्कर तक (टेकजोन-4 पीछे पुस्ते के साथ वाला रोड़)	2.9	60	17.4
14	ए.सी.ई. सफाया के पास 60 मी0 रोड़ (यामाहा वाले रोड़) से ए.सी.ई. सफायर के पीछे पुस्ता वाले रोड़ तक (ए.सी.ई. सफायर से ए.सी.ई सफायर के पीछे वाले रोड़ पर जुड़ने वाली रोड़)	0.74	45	3.33
15	टेकजोन-4 हनुमान मन्दिर गोल चक्कर से पुस्ता ब्रिज तक (नोएडा एवं ग्रेटर नोएडा को जोड़ने वाली रोड़, टेकजोन-4 का रोड़)	2	60	12
16	पंचशील हाईट्स टी पॉइंट से मिस्टी हाउस (टेकजोन-4)	1	45	4.5

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17	1 मूर्ति/चैरी काउंटी गोल चक्कर से रियान स्कूल होते हुये 60 मी0 यामाहा कम्पनी वाले रोड़ अर्था एस.ई.जैड. तक	1.8	45	8.1
18	130 मी0 रोड़ खैरपुर रोटररी से सेक्टर-10 के एण्ड पॉइंट तक (टेकजोन-7 एवं सेक्टर-10 के बीच का 80 मी0 रोड़)	0.9	80	7.2
19	सेक्टर-10 एवं सेक्टर-11 के बीच का 60 मी0 रोड़ (1450 मी0-200मी0 विवादित भूमि =1250 मी0)	1.25	60	7.5
20	130 मी0 रोड़ सैनी रोटररी से सेक्टर-10 के एण्ड पॉइंट तक (सेक्टर-12 एवं सेक्टर-10 के बीच का 80 मी0 रोड़)	1	80	8
21	तुस्याना कट से तिगरी चौक तक (वाया गौड सिटी रोटररी)	12	51.85	62.22
22	खैरपुर रोटररी से पर्यला पुल (वाया गौड सिटी रोटररी)	7.8	130	101.4
	Total	42.26	1235.85	286.86
	Area Deduction for structure, Electric pole, Tree etc. Lumsum @ 5%			14.34
		Total Hectare		272.52
Part-2				
1	DSC Road upto Entry point	6.3	45	28.35
2	SK Road (Entry Point to LG Chowk, Gamma-1)	4	80	32
3	Tusyana Road	2	60	11.6
4	DSC Road to Khairpur Rotary	7.3	130	94.9
5	DSC Road (Partial) From Surajpur Entry Point to Dadri Railway Fatak	6.9	45	31.5
6	DSC Road to Jaitpur Rotary	5.3	130	68.9
7	LG Rotary to Gamma-2 and Delta-3 Rotary (Till Sai Mandir Rotary)	2.3	60	13.8
8	130 Mtr Road Golf Forest Roary to Delta-3 ACE Platinum/AVJ Hights T-piont (Road between Sakipur and U.P.S.I.D.C)	1.7	60	10.2
9	130 Mtr road rainbow Park to 60 Mtr Yamaha Road (Till The Millineum School)	2.3	45	10.35
10	Durga Rotary Surajpur to Max Hospital, Via ITBP to temporary Dumping ground and CISF Camp Corner.	3.4	45	15.3
11	Yamaha cut to police line mode	1.6	24	3.84
12	Police Line mode to Tusyana Cut	1	22.57	2.26
13	Peripherel Road between Delta I,II & III			
	A	0.8	60	4.8
	B	0.8	60	4.8
	C	0.8	60	4.8
	D	2.4	60	14.4
14	Wipro Rotary to till Sector- Lambda	2	105	21
15	Delta I & II Rotary to 130 Mtr road (Road between Sector- Eta-1 and K.P.-4)	1	60	6
16	Aster Public School Rotary to, Till Amarpali Society (Road between Sector- Eta-1 and Zeta-1)	1.6	60	9.6
17	Road Between Sector- Eta-II and Zeta- II	0.6	60	3.6
	Total	54.1	1271.57	392

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	Area deduction for structure, Electric pole, tree etc Lumsum@5%=			19.60
			Total Hectare	372.4
Part-3				
1	होली पब्लिक स्कूल गोलचक्कर से सिग्मा-1, 2, 36, 37 गोलचक्कर तक (सेक्टर-36 एवं सिग्मा-1 के बीच का रोड) (Peripheral Road between Sector 36 & 42 (Sigma-I))	0.87	60	5.22
2	सिग्मा-1, 2, 36, 37 गोलचक्कर से 130 मीटर रोड सिग्मा-4 एवं 37 गोलचक्कर तक (सेक्टर-37 एवं सिग्मा-2 के बीच का रोड) (Peripheral Road between Sector 37 & 43 (Sigma-II))	0.87	60	5.22
3	सेक्टर-36, 37, पाई-2 चोराहे से सिग्मा-1, 2, 36, 37, गोलचक्कर तक (सेक्टर-36 एवं सेक्टर-37 के बीच का रोड) (Peripheral Road between Sector 36 & 37)	0.73	60	4.38
4	सेक्टर-36, 37, पाई-1(सेक्टर-32) चोराहे से ऐच्छर टी-प्वाइन्ट तक (सेक्टर-36 एवं ऐच्छर, पाई-1(सेक्टर-32) के बीच का रोड) (Peripheral Road between Sector 32 & 36)	0.95	60	5.7
5	130 मी0 रोड सेक्टर-37, पाई-2(सेक्टर-33) गोलचक्कर से सेक्टर-37 एवं सेक्टर-पाई-2, ऐच्छर चोराहे तक (सेक्टर-37 एवं पाई-2(सेक्टर-33) के बीच का रोड) (Peripheral Road between Sector 33 & 37)	0.95	60	5.7
6	आई.टी.बी.पी. गोलचक्कर से गैल सोसायटी पाई-2 गोलचक्कर तक (सेक्टर-27 एवं पाई-1(सेक्टर-32) के बीच का रोड) (Peripheral Road between Sector 27 & 32)	0.75	60	4.5
7	130 मी0 रोड मुथरापुर गोलचक्कर से ग्राम घोड़ी के पास मा0 कांशीराम सोसायटी के पास पुल तक (Mathurapur Rotary to Hon. Kanshiram Yojna, Sector Xu-II)	2.8	60	16.8
8	ओमीक्रोन-3 एवं म्यू गोलचक्कर (मैट्रो डिपो के पीछे वाला गोलचक्कर) से म्यू-2 ई.डब्ल्यू.एस. फ्लैट सोसायटी के कोने तक	0.75	45	3.37
9	म्यू-2 ई.डब्ल्यू.एस. फ्लैट सोसायटी कोने से म्यू-2 ई.डब्ल्यू.एस. फ्लैट सोसायटी गेट तक	0.2	45	0.9
10	ओमीक्रोन-3 एवं म्यू गोलचक्कर (मैट्रो डिपो के पीछे वाला गोलचक्कर) से ओमीक्रोन-2, 3, म्यू गोलचक्कर (ओमेक्स पालमग्रीन गोलचक्कर) तक	1.1	60	6.6
11	130 मी0 रोड मिगशन अल्टीमो सोसायटी गोलचक्कर (सेक्टर-ओमीक्रोन-2 एवं 3 के बीच का रोड घोड़ी तक) से ग्राम घोड़ी तक	1.8	60	10.8
12	ओमीक्रोन-2, 3, म्यू गोलचक्कर (ओमेक्स पालमग्रीन गोलचक्कर) से स्कोलर होम स्कूल-ओमीक्रोन-1 गोलचक्कर (ओमीक्रोन-1, 1ए, जू-1 गोलचक्कर) तक (560+870 = 1430 मी0)	1.43	60	8.58
13	स्कोलर होम स्कूल-ओमीक्रोन-1 गोलचक्कर (ओमीक्रोन-1, 1ए, जू-1 गोलचक्कर) से ओमीक्रोन-1ए, जू-1।। के बीच से होते हुए डाढा रोड की तरफ टी-प्वाइन्ट तक	0.44	60	2.64
14	130 मीटर रोड सुपरटैंक सिजार गोलचक्कर से डी0एम0आई0सी0 के पास पीपल पुल तक (मां0 कांशीराम सोसायटी के पीछे पुल तक)	2.6	60	15.6
15	130 मीटर रोड डाढा गोलचक्कर (ओमीक्रोन-1ए, सिग्मा-4 130 मी0 गोलचक्कर) से डी0एम0आई0सी0 के पास पुल तक (ग्राम डाबरा से आगे तक)	2.6	60	15.6
16	ग्राम घोड़ी गोलचक्कर मां0 कांशीराम रोड (ज्यू-2, ज्यू-1, ग्राम घोड़ी गोलचक्कर) से डाढा छोटा गोलचक्कर तक (ज्यू-1, ज्यू-2 एवं ज्यू-3 के बीच)	2.2	60	13.2

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17	ग्राम डाढ़ा कट (ज्यू-3 की तरफ रोड) से 130 मी0 रोड सिरसा रोटर्री तक (बेनेट यूनिवर्सिटी होते हुए)	3.2	60	19.2
18	सिग्मा-3, 4, ईकोटेक एक्टेशन-1 ब्रिज गोलचक्कर से खानपुर गोलचक्कर तक (एसियन पेन्ट से आगे वाला गोलचक्कर)	1.4	60	8.4
19	एसियन पेंट कम्पनी से (ग्राम खानपुर गोलचक्कर होते हुए) से 130 मी0 रोड ग्राम सिरसा गोलचक्कर तक	1.9	60	11.4
20	खानपुर रोटर्री से ओपो कम्पनी एवं इमलिया 6% आबादी के कोने तक (गांव इमलिया तक सीधा रोड)	2.1	60	12.6
21	कासना पेट्रोल पम्प के पीछे (ईकोटेक एक्टेशन-1 बीच में) से DONG Kukitleal India Pvt. Ltd. टी-प्लाइंट तक	1.1	45	4.25
22	105 मी0 रोड मैट्रो गोलचक्कर से ओमीक्रोन-3 एवं म्यू गोलचक्कर (मैट्रो डिपो के पीछे वाला गोलचक्कर) तक	1	60	6
23	105 मी0 रोड मैट्रो डिपो गोलचक्कर से बोडाकी की तरफ ग्राम जुनपत से आगे कट तक	1	105	10.5
24	ओपो कम्पनी के पिछे का रोड	3.26	45	14.67
25	ओपो कम्पनी के साईड की रोड (ओपो से ग्राम लुक्सर तक)	1.8	45	8.1
26	सिल्वर सिटी से 130 मी0 रोड तक	1.2	45	5.4
27	विप्रो रोटर्री से पाई-11 रोटर्री तक (सिल्वरी सिटी सोसाटी के सामने का रोड)	1.2	60	7.2
28	सिरसा से मथुरापुर रोटर्री	3.6	130	46.8
29	मथुरापुर रोटर्री से जैतपुर रोटर्री (105 मी0)	3.5	130	45.5
30	130 मी0 रोड मिगशन विन सोसाइटी गोलचक्कर से सेक्टर थीटा जैतपुर-मकोड़ा गोलचक्कर तक	1.2	80	7.2
31	Peripheral Road between sigma IV & Madhya	1.2	30	3.6
32	Madhya Circle to Eldeco	1.8	60	10.80
33	Peripheral Road Between Sigma III & Sigma IV	0.8	60	4.80
34	Peripheral Road Between Sigma I & Sigma II	0.8	60	4.80
35	Peripheral Road Between Delta III Block O & M	0.8	60	4.80
	Total	53.9	2185	332.03
	Area deduction for structure, Electric pole, tree etc Lumsum@5%=			16.60
	Total Hectare			315.43
Part-4				
1.	Peripheral road connection Alpha, Beta, Gamma	2.3	60	13.8
2.	Road connection SK road with P- Sector	2.4	60	14.4
3.	Road connection Golf Course and Swarn Nagari	1.5	60	9
4.	Honda siel to Delphi	1.4	60	8.4
5.	University Road (A)	3.5	21	7.35
6.	University Road (B)	3.5	45	15.75
7.	Kasna Bus Stand to University Road (Gharbara Road)	3.5	24	8.4
8.	JP Greens and Stadium Rotary to JP Greens, Nawada T-Point.	0.8	60	4.8

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9.	Sai mandir Delta-3 Rotary to Nato ki Madheya Sigma-3 CNG Rotary, Ecotech-1 Ext. Rotary	6.66	60	39.96
10.	Nato ki Madheya Sigma-3 CNG Rotary to Ecotech-1 Ext. Rotary	0.5	45	2.25
11.	Peripheral Road along sector 40-41	1.18	80	9.44
12.	Institutional area (Expressway Under Pass to KP-3 Big Rotary)	2.46	132	32.47
13.	Knowledge park-3, Namoli Rotary to Rohlapur T-Point.	0.5	60	3
14.	KP-3 Big Rotary to Pusta (NIET Road)	0.51	60	3.06
15.	Vishwa Bharti School, SK Road to Sector Delta-1 and Delta-2, Labour Chowk Rotary	1.7	60	10.2
16.	Jagat Farm Rotary to Gamma-2 and Beta-2 Omaxe Mall Rotary.	2	60	12
17.	SK Road Honda cut to University Road (Via Vrinda City)	2.6	60	15.6
18.	SK Road Kasna Bridge to university road	3.2	80	25.6
19.	Sector P4 to SC/ST Hostel Road	1	60	6
20.	Sector P4 Gate to I-Con Apartment till Army Institute	2.5	45	11.25
21.	LG Circle to Kalinga University (A)	1.5	25	3.75
22.	LG Circle to Kalinga University (B)	0.9	60	5.4
23.	Peripheral Road between Chi & Pi (A)	1.2	30	3.6
24.	Peripheral Road between Chi & Pi (B)	1.2	45	5.4
25.	Kasna Bridge to Asian Paint Com.	2	60	12
26.	LG Chowk, Gamma-1 to Kasna bridge	6	80	48
	Total=	56.51	1492	330.88
	Area deduction for structure, Electric pole, tree etc Lumsum@5%=			16.544
			Total Hectare	314.336
	Total Road Length in kilometres (Part 1+2+3+4)			206.77

Note: Additionally, please consider the roads with a width equal to or more than 24m, covering an area of approximately 200 km. For the ease of implementation, GNIDA will bifurcated it into four separate Parts having total road length of approx. 50 kms each.

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Appendix 2: Weekly Market (Indicative)

S.N.	Day	Area
1	Monday	Sector 16B, Delta 1
2	Tuesday	Bisrakh, Sector 36
3	Wednesday	Beta 2, Mu, Zeta 1
4	Friday	P3
5	Saturday	Bisrakh, Gamma 1, Sector 1
6	Sunday	Beta 2

Appendix 3: Sanitary Landfill Facility

Sanitary Landfill Facility (SLF) exists in the premises of processing site at Astauli

