

AGRA MUNICIPAL CORPORATION



Near SurSadan, M.G. Road Agra (U.P.) – 282002

Website: -www.nagarnigamagra.com

Email: -amcagra1@gmail.com

Ref. No: 357/DISBM/21

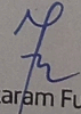
Dated: 20/10/2021

INVITATION OF TENDER

Agra Municipal Corporation invites online Technical and Financial Bids from eligible bidders to undertake "Solid Waste Management And Sanitation Management In UPSIDC Area"

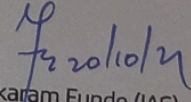
For detailed scope of work and tender conditions, prospective bidders may refer to RFP which can be downloaded from the web portal: <https://etender.up.nic.in> / AMC website: <https://nagarnigamagra.com>

Date of Publishing of Bid	21/10/2021
Bid Document Download Date	21/10/2021
Last Date and Time of Submission of Bid (Online)	08/11/2021 till 3:00 PM
Technical Bid Opening Date and Time	08/11/2021 at 5:00 PM
Financial Bid Opening Date and Time.	Will be intimated later to Technically Qualified bidders
Cost of Tender Document (Non-Refundable)	Rs. 10,000 +18% GST
Earnest Money Deposit (EMD)	INR 5,00,000/- (Rupees Five Lakh Only)
Contact Person for any clarification	Executive Engineer, AMC Contact No. 9319406016


Nikhil Tikaram Funde (IAS)
Municipal Commissioner *o/c*

Copy to,

1. In-Charge Advertisement for publication in Newspapers.


Nikhil Tikaram Funde (IAS)
Municipal Commissioner *o/c*

REQUEST FOR PROPOSAL
FOR SOLID WASTE
MANAGEMENT AND SANITATION
MANAGEMENT IN UPSIDC AREA
OCTOBER – 2021



AGRA NAGAR NIGAM

Near Sur Sadan, M. G. Road, Agra- 282001, U.P

Email: amcagra1@gmail.com

<http://www.naqarnigamagra.com>

Tender Details:	
Name of Work	Door to Door SW Collection & Transportation, Mechanized Sweeping of Roads / Streets,, manual cleaning of road/pavement/ footpath / paved path/Open Areas/ Parks. , litter collection, removal of dead animals, Drain Cleaning, Removal of garbage, litter, silt and blockages from street sides, Cleaning and removal of plant, wild grass, tree trimming & Leaves with safe disposal. Safe disposal of collected litter and debris and mechanised litter collection. High Pressure washing of pavements, footpath, dividers, medians, roundabout, street furniture, bus stop, signage &Monuments facia in UPSIDC Area.
Project Area	124.33 Hectare
Bid Issuing Authority	Agra Nagar Nigam, Agra
Date of Issue/ Publication	21/10/2021
Bid Document Cost	INR 10000/- + 18% GST on account of Municipal Commissioner, Agra Nagar Nigam, Payable at Agra. Account No. 38120131718 Branch – Nagar Mahapalika, Agra IFSC Code – SBIN0003707
Earnest Money	The Earnest Money Deposit (EMD) is INR 5Lakhs which will be in the form of DD/FDR/TDR of a Nationalised /Scheduled bank of India in favour of the “Commissioner, Municipal Corporation, Agra” payable at ‘Agra’ which will be returned to the unsuccessful Bidders after the award of contract. The Earnest Money of the successful Bidders will be retained as part of the Security Deposit.
Performance Guarantee	Submission of PBG through BG/FDR deposit. There is 10% performance guarantee of the annual project value and shall be deposited in the form of BG/FDR.
Due Date of Bid Submission	08/11/2021 till 3PM
Time and Date of Technical Bid Opening	08/11/2021 at 5PM
Validity of the Bid	90 days from the bid due date
Undertaking the work	Within 7 days of works order
Duration of Contact/ Work	The duration of the contract is 5 years

DISCLAIMER

The information contained in this Request for Proposal document ("RFP document) or subsequently provided to Applicant(s), whether verbally or in documentary or in any other form, by or on behalf of Agra Nagar Nigam/ Directorate of Urban Local Bodies, Uttar Pradesh (hereafter referred to as "Authority") or any of its employees or advisors, is provided to the Applicant(s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided in writing.

This RFP document is intended to be and is hereby issued only to the prospective Applicants. The purpose of this RFP document is to provide the Applicant(s) with information to assist the formulation of their Proposals. This RFP document does not purport to contain all the information that each Applicant may require. This RFP document may not be appropriate for all persons, and it is not possible for the Authority, its employees or advisors to consider the investment objectives, financial situation and particular needs of each Applicant who reads or uses this RFP document. The assumptions, assessments, statements and information contained in the RFP document may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP document and where necessary obtain independent advice from appropriate sources. The Authority, its employees and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, adequacy, correctness, reliability or completeness of the RFP document.

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

The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP document or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP document and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP document or arising in any way for participation.

The Authority also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Applicant upon the statements contained in this RFP document.

The Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP document before the last date of bid submission.

The issue of this RFP document does not imply that the Authority is bound to select an Applicant or to appoint the selected Applicant or Operators, as the case may be, for the Project and the Authority

reserves the right to reject all or any of the Applicants or Bids without assigning any reason whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Applicant and the Authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

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Section 1

Letter of Intent

The Agra Nagar Nigam, is inviting Request for Solid Waste Management And Sanitation Management In UPSIDC Area

The detail of the services is provided in the Terms of Reference in this RFP document and qualification requirement is at Instructions to Bidders.

1. A firm will be selected under “QCBS – Quality and cost-based selection” (minimum qualifying score technical score is 60%).

Section 2: Instructions to Bidders

Part I Standard

2.1 Definitions

- a) **“Addendum”** means the clarification issued against the bidder’s query placed before the employer in writing It may be released in form of addendum or corrigendum.
- b) **“Employer”** means the Authority who have invited the bids for the services and/ or with which the selected Bidder signs the Contract for the Services and to which the selected bidder shall provide services as per the terms and conditions and TOR of the contract.
- c) **“Bidder”** means any entity or associations of person or organization /companies / firms who have been requested to submit their proposals that may provide or provides the Services to the Employer under the Contract.
- d) **“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.
- e) **“Project specific information”** means such part of the Instructions to Bidders used to reflect specific project and assignment conditions.
- f) **“Day”** means calendar day.
- g) **“Mechanized cleaning”** means Sweeping done through different types and size of Sweeping machines, Bulk Litter picking through Litter Picking equipment and High Pressure washing of surfaces,
- h) **“Government”** means (Authority) Directorate of Urban Local Bodies, Government of Uttar Pradesh.
- i) **“Instructions to Bidders”** means the document which provides Bidders with all information needed to prepare their proposals.
- j) **“Lol”** means the Letter of Intent being sent by the Employer to the bidders.
- k) **“Personnel”** means professionals and support staff provided by the Bidder or by any Sub Bidder 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.
- l) **“Proposal”** means the Technical Proposal and the Financial Proposal.
- m) **“RFP”** means the Request for Proposal prepared by the Employer for the selection of Bidders, based on the SRFP.
- n) **“SRFP”** means the Standard Request for Proposals, which must be used by the Employer as a guide for the preparation of the RFP.
- o) **“Assignment / job”** means the work to be performed by the Bidder pursuant to the Contract.
- p) **“Terms of Reference” (ToR)** means the document included in the RFP as Section 5 which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Employer and the Bidder, and expected results and deliverables of the job.
- q) **“GoUP”** means Government of Uttar Pradesh.
- r) **“3rdParty”** means Company/ Agency who would be responsible for monitoring the assets and work performance.
- s) **SBM** means Swachh Bharat Mission

2.2 Details

- 2.2.1 The Employer will select the Bidder meeting basic eligibility criteria as mentioned in document and in accordance with the method of selection specified in the document.
- 2.2.2 Detailed scope of the assignment/ job has been described in the document.
- 2.2.3 The date, time and address for submission of the proposals has been given.
- 2.2.4 Bidders should familiarize themselves with Local conditions and take them into account in preparing their Proposals. To obtain first-hand information on the Assignment/ job and Local conditions, the bidder may undertake physical survey of the ULB/s.
- 2.2.5 The Employer will provide at no cost to the Bidders the inputs and facilities specified in the document, assist the bidders in obtaining licenses and permits needed to carry out the Assignment/ job, and make available relevant project data and reports.
- 2.2.6 Bidders shall bear all costs associated with the preparation and submission of their proposals. The Employer is not bound to accept any proposal and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Bidders.

2.3 Clarification and Amendment of RFP Documents

- 2.3.1 Bidders may request a clarification on any clause of the RFP documents any request for clarification must be sent by standard electronic means to the Employer's address indicated and within the timeframe mentioned in the Data Sheet. Should the Employer deem it necessary to amend the RFP as a result of a clarification, it shall do so following the procedure under para. 2.3.2 below.
- 2.3.2 At any time before the submission of Proposals, the Employer may amend the RFP by issuing an addendum by standard electronic means. The addendum shall be sent to all Bidders as per stipulated timeframe mentioned in the Data Sheet and will be binding on them. Bidders shall acknowledge receipt of all amendments. To give Bidders reasonable time in which to take an amendment into account in their Proposals the Employer may, if the amendment is substantial, extend the deadline for the submission of Proposals.

2.4 Proposal Validity

- 2.4.1 Proposal validity to be set at 180 Days

2.5 Preparation of Proposals

- 2.5.1 The Proposal as well as all related correspondence exchanged by the Bidders and the Employer, shall be written in English language, unless specified otherwise.
- 2.5.2 In preparing their Proposal, Bidders are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.

- 2.5.3 While preparing the Technical Proposal, Bidders must give particular attention to the following:
- 2.5.4 Depending on the nature of the Assignment/ job, Bidders are required to submit a Technical Proposal (TP) in forms provided in the RFP. Submission of non-responsive Technical Proposal will result in the Proposal being deemed ineligible. Form Tech – I is a sample letter of technical proposal which is to be submitted along with the technical proposal.
- 2.5.5 The **Technical Proposal** shall not include any financial information. A Technical Proposal containing financial information may be declared as non-responsive.
- 2.5.6 **Financial Proposals:** The Financial Proposal shall be prepared using the attached Standard Forms. It shall list all costs associated with the Assignment/ job. If appropriate, these costs should be broken down by activity and timeline, if appropriate, into foreign (if applicable) and domestic expenditures. The financial proposal shall not include any conditions attached to it and any such conditional financial proposal shall be rejected summarily.

2.6 Taxes

- 2.6.1 GST as applicable at time to time will be payable.

2.7 Currency

- 2.7.1 Bidders must express the price of their Assignment/ job in India Rupees (₹).

2.8 Earnest Money Deposit (EMD) and Bid Processing Fees

2.8.1 Earnest Money Deposit

- a. The Applicant shall deposit an Earnest Money Deposit (EMD) of INR 5 lakhs in accordance with the provisions of this RFP document. The Applicant has to provide the EMD in favour of Agra Nagar Nigam”.
- b. Proposals not accompanied by EMD shall be rejected as non-responsive.
- c. No interest shall be payable by the Employer for the sum deposited as earnest money deposit.
- d. The EMD of the unsuccessful bidders would be returned within 30 days after acceptance of LoA by the selected bidder.

2.8.2 The EMD shall be forfeited by the Employer in the following events:

- a. If Proposal is withdrawn during the validity period or any extension agreed by the bidder thereof.
- b. If the Proposal is varied or modified in a manner not acceptable to the Employer after opening of Proposal during the validity period or any extension thereof.
- c. If the bidder tries to influence the evaluation process.
- d. If the bidder withdraws their proposal post signing of the LoA till the time project is completed.

2.9 Bid Processing Fees

2.9.1 All bidders are required to pay Rs10000/- + 18% GST in favour of the Employer through online payment. The Bid Processing Fee is Non-Refundable. Non-submission of Bid Processing fee along with the Technical Proposal will be treated as non-responsive bid.

2.10 Pre-Bid Meeting:

2.10.1 The interested bidder can attend Prebid meeting or they could send their enquiry on or before scheduled date.

2.11 Submission, Receipt and Opening of Proposal

2.11.1 The original proposal, both technical and Financial Proposals shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidders themselves. The person who signed the proposal must initial such corrections. Submission letters for both Technical and Financial Proposals should respectively be in the format of TECH-1, and FIN-1.

2.11.2 An authorized representative of the Bidders shall initial all pages of the original Technical and Financial Proposals. The authorization shall be in the form of a written power of attorney accompanying the Proposal or in any other form demonstrating that the representative has been duly authorized to sign.

2.11.3 Applicant (authorized signatory) shall submit its offer for preliminary qualification, technical and financial proposal e-procurement system. However, Tender Document Fees, and Earnest Money Deposit (EMD) should be deposited as per details provided in the bid document. The bid document complete in all respect is to be submitted on or before the time of last date of submission of bid through e-procurement system. The Authority will not be responsible for delay in submission due to any reason.

2.11.4 The Bid shall be typed or written in indelible ink and signed by the authorized signatory of the Applicant who shall also initial each page, in blue ink. All the alterations, omissions, additions or any other amendments made to the Bid shall be initialled by the person(s) signing the Bid. Bidder shall submit their offer only in online electronic format both for technical and financial proposal and all documents should be digitally signed. However, scan /screenshot of transfer of Proposal fees, EMD and all original papers related to Bank guarantee, power of attorney etc. as mentioned in Table and should be uploaded along with the technical bid.

2.12 Proposal Evaluation

2.12.1 From the time the Proposals are opened to the time the Contract is awarded, the Bidders should not contact the Employer on any matter related to its Technical and/or Financial Proposal. Any effort by Bidders to influence the Employer in the examination, evaluation, ranking of Proposals, and recommendation for award of Contract may result in the rejection of the Bidders' Proposal.

- 2.12.2 Evaluation of Technical Proposals:** while evaluating the Technical Proposals, tender committee shall have no access to the Financial Proposals until the technical evaluation is concluded, and the competent authority accepts the recommendation.
- 2.12.3** The tender committee shall evaluate the Technical Proposals based on their responsiveness to the Terms of Reference and by applying the evaluation criteria, sub-criteria specified in the Data sheet. In the first stage of evaluation, a Proposal shall be rejected if it is found deficient as per the requirement indicated in the Data sheet for responsiveness of the proposal. Only responsive proposals shall be further taken up for evaluation. Evaluation of the technical proposal will start first and at this stage the financial bid (proposal) will remain unopened. The qualification of the bidder and the evaluation criteria for the technical proposal shall be as defined in the Data sheet.
- 2.12.4** Public opening & evaluation of the Financial Proposals: Financial proposals of only those firms who are technically qualified shall be opened publicly on the date & time specified the Data sheet, in the presence of the Bidders' representatives who choose to attend. The name of the Bidders, their technical score (if required) and their financial proposal shall be read aloud.
- 2.12.5** The tender committee will correct any computational errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount, or between word and figures, the former will prevail for both the cases. In addition to the above corrections the items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items.
- 2.12.6** After opening of financial proposals, appropriate selection method shall be applied to determine the bidder who will be declared winner and be eligible for award of the contract. The methods of selections are described in the RFP document [The employer shall mention here which method out of all listed method shall be applied for selection of bidder for this assignment / job].
- 2.13 Award of Contract**
- 2.13.1** The Employer shall issue a Letter of Intent to the selected Bidder and promptly notify all other Bidders who have submitted proposals about the decision taken.
- 2.13.2** The bidders will sign the contract after fulfilling all the formalities/pre-conditions including Performance Guarantee as mentioned in the standard form of contract within 15 days of receipt of the letter of intent.
- 2.13.3** The Bidder is expected to commence the Assignment/ job on the date and at the location specified in the document.
- 2.13.4** If at any point of time post award of contract, the winning bidders withdraws their proposal then the LoA may be awarded to the bidder coming 2nd in the evaluation process subject to their agreement on undertaking the work on the lowest rate quoted in the bid.

2.14 Confidentiality

- 2.14.1 Information relating to evaluation of Proposals and recommendations concerning awards shall not be disclosed to the Bidders who submitted the Proposals or to other persons not officially concerned with the process, until the publication of the award of Contract. The undue use by any Bidder of confidential information related to the process may result in the rejection of its Proposal and may be subject to the provisions of the Employer's antifraud and corruption policy.
- 2.14.2 The employer reserves the right to verify all statements, information and documents submitted by the Applicant in response to the RFP. Any such verification or the lack of such verification by the Employer to undertake such verification shall not relieve the Applicant of its obligation or liabilities here under nor will it affect any rights of the Employer here under.
- 2.14.3 The selection process shall be governed by and construed in accordance with the laws of India and Distt. Courts at Agra and High Court of judicature at Prayagraj shall have exclusive jurisdiction and all disputes arising under pursuant to and/or in connection with the Selection Process.

2.15 JV/Consortium

- 2.15.1 In case the Bidder is a JV/Consortium, the members thereof should furnish a Power of Attorney in favour of any member, which member shall thereafter be identified as the Lead Member, in the Joint Venture/Consortium Agreement in the Application Form (2) at Appendix signed by the members of the JV/Consortium.
- 2.15.2 Where the Bidder is a JV/Consortium entity, it shall be required to comply with the following additional requirements:
- a) Number of members in a JV/Consortium shall not be more than 2(two).
 - b) The Bid should contain the information required for each member of the JV/Consortium;
 - c) Joint Venture/Consortium is allowed with the condition that the equity of lead partner shall be 51% (in JV/Consortium maximum numbers of partners may be Three).
 - d) Equity for non-lead members shall not be less than 10%.
 - e) The Bid should include a brief description of the roles and responsibilities of individual members, particularly with reference to financial, technical and/or other obligations;
 - f) An individual Bidder cannot at the same time be a member of a JV/Consortium bidding for the tender. Further, a member of a Bidder JV/Consortium cannot be member of any other Bidder Consortium bidding for the tender;
 - g) Members of the JV/Consortium shall enter into a binding Joint Bidding Agreement, substantially in the form specified at Application Form (2) (the "Joint Venture Agreement"), for the purpose of submitting a Bid. The Joint Bidding Agreement, to be submitted shall, inter alia:

- i. Convey the intent for the purpose of domiciling the Project and no other purpose, with shareholding/ commitments in accordance with this tender, which would enter into the Agreement and subsequently perform all the obligations in terms of the Agreement, in case the Project is awarded to the Consortium;
 - ii. Clearly outline the proposed roles and responsibilities, if any, of each member;
 - iii. Subject to approval from the Lenders and the Authority, after the trial run period has finished, non-lead Member of the Consortium can exit the JV, subject to the approval of the Lead Members.
 - iv. Include a statement to the effect that all members of the Consortium shall be liable jointly and severally for all obligations of the RFP in relation to the Project until the Financial Close of the Project is achieved in accordance with the Agreement; and
 - v. Except as provided under this document and the Bidding Documents, there shall not be any amendment to the Joint Bidding Agreement without the prior written consent of the Authority.
- 2.15.3** any entity which has been barred by the Central/State Government, or any entity controlled by it, from participating in any project, and the bar subsists as on the date of the Bid, would not be eligible to submit a Bid either individually or a member of a Consortium.
- 2.15.4** Any entity participating as a single bidder or as a part of a JV/ Consortium in any of the cities will not be allowed to form a second JV. A single entity cannot be a part of more than one JV/Consortium. Non-compliance of this clause will lead to dis-qualification of all submitted bids.
- 2.15.5** A Bidder including any JV/Consortium Member or Associate should, in the last 3 (three) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder, JV/Consortium Member or Associate, as the case may be, nor has been expelled from any project or contract by any public entity nor have had any contract terminated any public entity for breach by such Bidder, JV/Consortium Member or Associate.
- 2.15.6** The Technical and Financial capability of Lead member (51% shareholding) will be considered for Qualification/Evaluation, while of non-lead members technical and financial capability will be eligible for evaluation only if the entity has more than 10% shareholding in the JV will be considered for Technical evaluation.
- 2.15.7** Lead member should have at least 51% compliance to Technical and Financial requirements singly.

DATA SHEET

S.No.	Particulars	Details
1.	Name of the Employer:	Agra Nagar Nigam, Agra
2.	Name of the Assignment/ job:	Door to Door MSW Collection, Transportation and Mechanized Sweeping of Roads / Streets, manual cleaning of road/pavement/ footpath / paved path /Open Areas/ Parks, litter collection, removal of dead animals, Drain Cleaning, Removal of garbage, litter, silt and blockages from street sides, Cleaning and removal of plant, wild grass, tree trimming & Leaves with safe disposal. Safe disposal of collected litter and debris and mechanised litter collection. High Pressure washing of pavements, footpath, dividers, medians, roundabout, bus stand, street furniture, signage & Monuments facade in UPSIDC Area.
3.	Date & time and address for submission of proposal/ bid:	08/11/2021 till 3PM
4.	The Employer's representative is:	Executive Engineer
	Address:	Room No. 225, Nagar Nigam Agra, Near Sur Sadan, M.G Road, Agra-
	Telephone:	Mob: 9319406016
	E-mail:	amcagra1@gmail.com
5.	Proposals must remain valid days after the submission date, i.e. until:	180 days
6.	Contact	Executive Engineer
	The address for requesting clarifications is:	Agra Nagar Nigam through online on amcagra1@gmail.com
	Contact No.-	9319406016
	Email:	amcagra1@gmail.com
7.	Proposal Submission	In addition to technical proposal, Bidders are required to submit financial proposal (prescribed forms attached). Submission of the technical and financial proposal in improper form will render the proposal liable to be rejected.
8.	Taxes	GST will be paid by the employer as per government guidelines
9.	Bidder to state the cost in	Indian Rupees (INR; ₹)
10.	Evaluation Criteria: Criteria, sub-criteria, for evaluation of Technical Proposals have been prescribed:	Detailed evaluation as mentioned below this Table of Data Sheet.

11.	Method of Selection	<p>QCBS (60 Technical : 40 Financial) based selection</p> <p>Stage 1a: Pre-Qualification: a) Bidders who qualify in the Eligibility Criteria will be considered for Technical Evaluation in Stage 1b</p> <p>Stage 1b: Technical Qualification: Bidders who qualify the following will move to Stage 2: a) Eligibility as per RFP requirement. b) Test of Responsiveness complete (complete document submission). c) Minimum score of 60% marks.</p> <p>Technical Score $S(t) = S(c) * 0.60$ (Weightage of 60%) Where, S(c) is the score obtained in process 1b.</p> <p>Stage 2: Financial Proposal Requirement for eligibility in Stage 2: a) Cleared stage 1 (1a and 1b with minimum 60% marks in stage 1b). b) Financial proposal as per the requirements (eligibility and document) of RFP c) Test of Responsiveness complete (complete document submission).</p> <p>Financial Score $(F_s) = F(m)/F(e) * 0.40$ (Weightage of 40%) Where Fm = Minimum Financial Quote F(e) = Bid under evaluation</p> <p>Total Score $(H) = S(t) + F(s)$ Bidder with the highest Total Score (H1) will be selected</p> <p>In-case of a tie; the bidder with a higher technical score will be qualified, on further tie the bidder with higher average annual turnover of last 3 consecutive financial years 2017-18, 2018-19, 2019-20 will be qualified. (Calculations will be adjusted to two decimal places for both commercial bid and Technical Score calculations, if required)</p>
12	ULB for Implementation	This tender will be for UPSIDC Area.

2.16 Procedure for Detailed evaluation of Technical qualifications (Pre-Qualification)

The firms will be shortlisted against the eligibility criteria. Those who qualify / fulfil these criteria shall be considered for technical evaluation.

Sl. No	Procedure for Detailed evaluation of Technical qualifications.	
	The firms will be shortlisted against the eligibility criteria. Those who qualify/fulfill these criteria, shall be considered for technical evaluation.	
	Particulars	Supporting Documents to be submitted
1	The Bidder/JV/Consortium should be a public/ private LTD. company, Partnership firm, Non-profit organization, Society registered entity incorporated in India under the (Indian) Companies Act 1956 / 2013 or a company formed under any other law for the time being in force. The Bidder shall be required to submit a true copy of its Incorporation Certificate.	Copy of Certificate of Incorporation.
2	The Bidder/JV/Consortium must have a valid GSTN certificate.	Copy of GSTN Certificate
3	The Bidder/JV/Consortium should not be blacklisted/ debarred/ Terminated under any contract by Agra Municipal Corporation.	Self-Certification by the bidder
4	<p>The Bidder/JV/Consortium should have completed/ *Ongoing project of Mechanized sweeping along with integrated cleaning of municipal roads or public places with any of Central or State Government/Local bodies (i.e. Municipal Corporation/PSU's. /Railways/Metro/Private Townships/ Government/Urban Local bodies (i.e. Municipal Corporations/ PSU's/ Railways/ Metro/ Private Townships by mechanical sweepers for at least INR 5Crores (cumulative) in the last 3 financial years till submission of tender document i.e. 2017-18,2018-19& 2019-20. (*Ongoing: If the work is ongoing then the bidder should have received atleast 50% payment of that contract till submission of tender document).</p> <p>Or</p> <p>The Bidder/JV/Consortium should have completed/ *Ongoing project of SWM (Door to door collection) with any of Central or State Government/Local bodies (i.e. Municipal Corporation/PSU's. /Railways/Metro/Private Townships/ Government/Urban Local bodies (i.e. Municipal Corporations/ PSU's/ Railways/ Metro/ Private Townships by mechanical sweepers for at least INR 60Lacs (cumulative) in the last 3 financial years till submission of tender document i.e. 2017-18, 2018-19 & 2019-20 (*Ongoing: If the work is ongoing then the bidder should have received atleast 50% payment of that contract till submission of</p>	Copy of contract agreement / work orders and successful completed performance certificate by competent Authority along with TDS Certificate.

	tender document).	
5	<p>The Bidder/JV/Consortium should have experience of mechanized cleaning of at least 25 kms roads (Linear Length)(cumulatively) in a day or any other B.T. (Bitumen) surface or concrete surface per day using any road sweeping machine of at least 3m³ for a minimum period of 12 consecutive months within last 3 financial years (2017-18, 2018-19 & 2019-20). For Central or State Government/Local bodies (i.e. Municipal Corporations/PSU's/Railways/Metro/Private Townships.</p> <p>Or</p> <p>The Bidder/JV/Consortium should have experience of door to door collection of at least 50 TPD Solid Waste (cumulatively) for a minimum period of 12 consecutive months within last 3 financial years (2017-18, 2018-19 & 2019-20). For Central or State Government/Local bodies (i.e. Municipal Corporations/PSU's/Railways/Metro.)</p>	Copy of contract agreement / work orders and successful performance certificate by competent Authority.
6	The Bidder/JV/Consortium should comply with the Technical Specifications as per the RFP and shall submit the make, model, complete technical specifications and quantity of the Equipment and manpower to be deployed.	Self-Certification/ declaration by the bidder
7	The Bidder/JV/Consortium should comply with the Technical Specifications as per the RFP and shall submit the make, model, complete technical specifications and quantity of the Equipment and manpower to be deployed.	Self-Certification/ declaration by the bidder
9.	Bidder/JV/Consortium should have average Turnover of last three (3) financial years, i.e., 2017-18, 2018-19 & 2019-20 should be atleast INR2Crore.	Copy of the audited profit and loss account along with audited balance sheet of the company showing turnover of the company for last three years
10	Bidder/JV/Consortium should not have incurred any loss in the last three years of operation i.e. 2017-18, 2018-19, 2019-20	Audited balance sheet to be submitted for the same

The detailed technical evaluation of Proposals satisfying minimum eligibility conditions as above shall be done. The Criteria, sub-criteria and point system for detailed evaluation shall be as follows:

S. No.	Specific experience of the bidder firm	M.M (100)	Document Proof
A	Average Annual Turnover for the last 3 consecutive years i.e. 2017-18, 2018-19 and 2019-2020 (As per the bank / CA statement)	10 Marks	Net worth statement from CA
1	₹2Cr - ₹3 Cr	3 Marks	
2	>₹3Cr. – ₹5Cr.	5 Marks	
3	>₹5Cr. – ₹7Cr.	7.5 Marks	
4	Above ₹7Cr.	10 Marks	
B	Experience of door to door collection with any of the Government / Local bodies / (i.e. Municipal Corporation / Local Bodies) or PSU's. (Aggregate of current running project) within last 3 years i.e., 2017-18, 2018-19 and 2019-20. (Average for minimum 1 continuous year period)	15 Marks	Experience certificate along with Work Order/ Contract copy
1	50-100TPD	5 Marks	
2	101-150TPD	7.5 Marks	
3	151-200TPD	12 Marks	
4	200TPD above	15 Marks	
C	Experience of Mechanical Sweeping in linear length (kms) with any of the Government / Local bodies / (i.e. Municipal Corporation / Local Bodies) or PSU's. (aggregate of current running project) through Road Sweeping Machine of over 2m ³ capacity within last 3 years i.e., 2017-18, 2018-19 & 2019-20.	15 Marks	Experience certificate along with Work Order/ Contract copy
1	Minimum 25 Kms of Mechanical Sweeping	7.5 marks	
2	Above 25 – 50 Kms of Mechanical Sweeping	10 marks	
3	More than 50 Kms of Mechanical Sweeping.	15 marks	
D	Asset details (Bidder should be owning Mechanized Road Sweepers with hopper capacity above atleast 3m ³ (assets not more than 3 years to be provided)	10 marks	Asset desc. / Specification Procurement Details. Year of Purchase (Regn copy to be attached)
1	Upto 01 mechanized road sweepers	5	
2	Between 1– 3 mechanized road sweepers	7.5	
3	Above 3 mechanized road sweepers.	10	
E	Minimum Human Capital related to Cleaning	5 marks	Self-Certification by the bidder with Challan copies
1	Minimum 100 to 120 Persons	2	
2	Between 120 – 150	3	
	3	Above 150	5
F	Experience of Mechanical Cleaning services with any of the Government / Local bodies / (i.e. Municipal Corporation / Local Bodies) or PSU's. (aggregate of different projects) within last 3 years i.e. 2017-18, 2018-19 & 2019-20.	15	Experience certificate along with Work Order/ Contract copy
1	Minimum 45000 sqm carpet area to 75000sqm	7.5	
2	>75000 sqm – 100000sqm	10	
3	>100000 sqm – 150000sqm	12.5	
4	More than 150000sqm carpet area	15	

S. No.	Specific experience of the bidder firm	M.M (100)	Document Proof
F	Presentation before the technical committee constituted by the Authority:	30 marks	Approach and Methodology with elaborate plan on each factor.
1	The PPT/Document should have the following components (not exhaustive):		
2	a) Technical profile of the company	6	
3	b) Existing Workforce plan for the project	6	
4	c) Machine Deployment plan (including make, model & technical specification of machines and procurement plan)	6	
5	d) Monitoring and Execution plan (Focus on automated systems through GPS, Vehicle mounted camera, VTS etc.)	6	
6	e) ICT capability of the bidder and ICT plan for the project (GIS capability, Dashboard, monitoring portal, app. Etc.)	6	
	The price bids of only those bidders who qualify technically (above 70 marks) will be considered for financial evaluation.	Total 100 Marks	

Section 3: Terms of Reference

3.1 Background

Uttar Pradesh: Brief Profile 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. Out of 4041 statutory towns of India 652 (i.e. 16%) exist in Uttar Pradesh. Percentage of urban population to total population of the State stands at 22.28 as per 2011 Census whereas; this percentage was 20.78 in 2001. Thus, an increase of 1.50 percentage points has been recorded in the urban population during 2001-2011. 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 At present there are 652 Urban Local Bodies (ULBs) in the state with total area 6264.57 sq km. A large number of ULBs are of very small population. 585 out of 652 ULBs have population of less than one lakh.

Agra Nagar Nigam, has an objective of providing Door to Door MSW Collection, Cleaning and debris collection from Open Areas, Parks, Mechanized Sweeping of Roads / Streets, mechanized, manual cleaning of pavement / footpath / paved path within UPSIDC area. Manual Sweeping, litter collection, removal of dead animals, Drain Cleaning, Removal of garbage, litter, silt and blockages from street sides, Cleaning and removal of plant, wild grass and tree trimming & Leaves with safe disposal. Safe disposal of collected litter and debris and mechanised litter collection, High Pressure washing of pavements, dividers, medians, roundabout, bus stand, street furniture, signage & Monuments facia services in UPSIDC area.

Industrial Estate was setup by Agra Nagar Nigam and it has four sites A, B,C&EPIC. It is a planned and developed area therefore all the roads are of sufficient width and road surface is in good quality. Negligible encroachment can be found on roads. No market area and street vendors are identified on roads. Roads and their adjacent area would be cleaned daily to make them neat & clean 24x7. Overall, objective is to make area clean, maintain good aesthetic ambience, control AQI and to maintain the pollution level as per guidelines.

Agra Nagar Nigam shall carry out the bid process for selection of Successful Bidder. Accordingly, Agra Nagar Nigam intends to select the suitable operator who will be eligible to undertake:

- a) Solid Waste Management
- b) Sanitation Management

3.2 Project Background

The bidder shall be responsible for the collection of segregated Solid Waste from door to door and their transportation, entire process of Mechanical and manual sweeping and cleaning, open areas, Parks, Collection, Storage transportation and unloading of litter and debris to the designated place & on the top from monitoring of such services which gives city a good ambience as per SWM Rules, 2016 and CPHEEO guidelines. ([http://cpheeo.gov.in/upload/uploadfiles/files/chap11_\(1\).pdf](http://cpheeo.gov.in/upload/uploadfiles/files/chap11_(1).pdf)) and directions from Hon'ble court / NGT and from Govt. time to time.

3.3 Objective

The purpose of this project would be to create an efficient and effective road cleaning mechanism in the UPSIDC area, with the following objectives:

- a. To perform Door to Door collection of solid waste in a segregated manner.
- b. To make the area litter and dust free.
- c. To meet the objectives of Swachh Bharat Mission (SBM) and National Clean Air Programme.
- d. To ensure an integrated cleaning solution for roads.
- e. To improve the existing standards of public health and environmental quality by establishing efficient mechanism of waste collection, area, parks, and road cleaning.
- f. To ensure clean and hygiene collection and transportation system of road sweeps.
- g. To improve the productivity of man, materials and equipment through introduction of GIS based technology & its monitoring system.
- h. To ensure effective redressal of road sweeping related complaints again through the GIS technology.
- i. To help in making citizen of UPSIDC area a part of "Swachh Bharat Mission" Movement.

3.4 Scope of Work

The Operator shall ensure to conduct sweeping and cleaning of the selected area including Main Roads, service roads, Arterial Roads (streets, narrow streets, gullies) footpaths, road berms, central verge, curb channels, curb stones gully etc., which means complete solution for RoW (Right of Way), the objective is to keep the areas litter and dust free. Collection of SW with following SWM Rules, 2016 under the initiative of Door to Door Collection system from each unit in UPSIDC area and their transportation at designated transfer point.

The type of work to be conducted is as under:

- a. Mechanical sweeping will be performed on divider roads as per the time & frequency table.
- b. The operator needs to ensure that where ever the mechanized sweeping of road in not possible, that particular stretch of the road area has to be manually swept to ensure cleanliness. Frequency of manual cleaning including litter picking to be worked out at 7 days/week.
- c. Swept roads shall be kept litter and dust free during the next day operation hours, from entire wall-to-wall basis. Sweeping of Roads/ Streets/ Lanes would include Bitumen, Pakka, Footpath, Ramps and kuccha portions including sides – Corner to corner. The cleaning of sitting desk/bench will be carried out frequently.
- d. Undesirable wild grass and vegetation on the side berms, footpaths, medians of all roads shall be removed by the Operator.
- e. Clearance of upto 1Mts open drains running along with the carriage way.
- f. Door to Door collection of waste in segregated form (Wet, Dry, Sanitary and Domestic hazardous) all the household, commercial, institutional, industrial units and shops including street vendors situated in the area.
- i. The Operator will be responsible for safe collection and transportation of small quantity of loose materials/ debris deposited on or along the roads, service lanes, central verge and footpaths/ road berms by mechanical sweepers or manually and if any dead animal like Dogs & Cats are found on these roads and in the vicinity area under contract, are to be collected and transported to the nearest dumping site as provided by the Authority and Big animals like Cows, Horses etc. are to be reported immediately to concerned Authority for further needful action.
- ii. Operator shall deploy an Emergency Response Team which shall be available at such places wherein the cleaning is required pursuant to the receipt of any complaint during day hours (Through ULB or Directly by citizens through Manual/Electronic means).

- g. It is the responsibility of the bidder to maintain a computerized central monitoring control room for the entire activities like Door to Door Collection, Cleaning of open areas, Parks,, mechanical vehicles manned with an operator capable of handling the monitoring systems and support the Nagar Nigam in efficiently tracking the vehicles on a daily basis and provide monthly reports to the 3rd party / authority with actual GPS based vehicle movement report. All vehicle monitoring to be enabled with real time monitoring which will be developed by Operator and will be installed at Integrated Command and Control Centre of Agra Nagar Nigam. The generated report should also include real time pictures of all activities (min no.0.5 per Kms, per Pass) of the work undertaken through mechanical sweeping (Vehicle mounted cameras (front and reverse both) can be used for this as well).
- h. The operator shall be responsible for removal of loose material and small animals like dogs/cats/goats etc. However, for clearing large animals the operators should coordinate with the municipal corporation.
- i. The operator is fully liable to supply all resources as and when required by Agra Nagar Nigam during any occasional requirement.
- j. Develop IEC material and undertaking awareness drives for the activities specified in Section 15 (zg) of Solid Waste Management Rules 2016 and as per the indicative table below for bringing behaviour change with various stakeholders in waste management like waste recyclers, waste pickers, waste generators, waste processors etc.
- k. All IEC activities along with type and number of activities shall be planned mutually between ANN and the Bidder. All material and manpower required of successful IEC shall be arranged and paid by the Bidder. The Bidder shall be allowed to sublet the IEC activities to specialized agencies/NGOs. 2% of monthly bill be kept in the escrow account for IEC activities, which will be spent by the Bidder in consultation with the Authority. In case the Bidder hires agency other than itself then that agency must possess at least following credentials in activities.
- l. Successful Bidder will conduct a survey and submit a list of all the domestic waste generating units (Non-Bulk) for the approval from Agra Municipal Corporation.
- m. Community awareness building for behaviour change and Information Education Communication (IEC) Programs related to solid waste management, sanitation, health and hygiene, economic and social well-being of rag pickers, sanitary workers, vulnerable groups etc. livelihood, composting etc.
- n. Capacity building of local groups on livelihood, social safeguard, sanitation, health and environment impact due to improper disposal and handling of solid waste.
- o. The Bidder shall impart project specific training to such hired agency prior to undertaking this assignment.

- p. Whenever services of the hired agency staff are found / noticed unsatisfactory by ANN they shall be removed/terminated by the Bidder immediately as per direction of Competent Authority.
- q. Increased knowledge of community at large about the importance of proper disposal of waste and its health, environmental and economic benefits. Production of compost from bio-degradable waste and utility items from plastic waste linked to market/other appropriate, increased livelihood opportunities for the informal waste sector.
- r. Community participation and building habit of paying user charges by enabling an environment among stakeholders to communicate the idea that sanitation is not an inherent right but a shared responsibility with a substantial role for the citizen.
- s. Bidder must ensure compliance of Solid waste Management Rules 2016 as per scope of work.

Indicative Awareness building activities for Door to Door collection

Sr. No.	Awareness Activities
1	Cleanliness Drives under Swachh Bharat Mission with or without public participation.
2	Printing of colored awareness material (A4 size) for Segregation of waste. Behavior Change regarding littering and dry waste storage.
3	Conduct demonstration drives regarding segregation & onsite wet waste processing using actual equipment's in the waste generator premises, schools, colleges and institutions premises as per generator category stated above.
4	Street shows for demonstrating the behavior change regarding segregation of waste, littering and onsite wet waste processing through short films, pamphlets distribution and wet waste equipment's.
5	Consultation meetings with CSR companies, NGOs, RWAs, elected representatives, waste recyclers and entrepreneurs engaged in waste management and manufacturers to implement the activities planned for achieving the circular economy way of waste management.
6	Awareness program for not disposing plastic and solid waste in water bodies.
7	Awareness about ban enforced by Govt. of U.P. on usage of plastic carry bag, single used disposable items made up of plastic/ thermocol.
8	Community participation and developing habit of paying user charges

Time and Frequency Table

S.N.	Description	Area	Road Type	Frequency	Days/ Week/ Month
1	Mechanized Sweeping	Left & Right side of carriage ways & Centre verge if any. (Road with dividers only).	As allocated	Daily	24x7
2	High Pressure Washing	High Pressure washing of pavements, footpaths dividers, medians, roundabout, bus stand, street furniture, signage & Monuments facia.	As allocated	Daily	24x7
3	Litter Collection	Entire Service Area	As Allocated (8hrs/day)	Daily -Day & Night	24x7
4	Manual Sweeping, litter collection, Debris Clearance including drain cleaning (less than 1mts along the side of roads, wherever present). (Appropriate use of Air Blower Rag Picker Stick etc. by the team)	Entire Service Area	As per Annexure (Manual Sweeping)	Daily	24x7
5	Wild Grass Removal	Entire Service Area	Along the Road	weekly	24x7
6	Pruning Of Trees (Alongside	Entire Service Area	Along the Road	15 days	24x7

S.N.	Description	Area	Road Type	Frequency	Days/ Week/ Month
	roads and on the central verge complete right of way (ROW))				
7	Lifting of Dead Animal	Entire Service Area	All	Immediate	24x7
8	Door to Door Collection	Entire Service Area	All	Daily	24x7

Other Conditions :-

1. All eco-friendly mechanical sweeping machines 6 m³ and 3 m³ to be equipped with GPS devices and both front and rear camera.
2. All PPEs equipments provided to the staff should be as per BIS standards.
3. The operator shall also appoint authorized person, who shall be responsible for day to day coordination with designated officials of Nagar Nigam regarding overall operations and management
4. All hired vehicles must comply the PUC norms and fulfil all regulatory requirements like valid registration, insurance and PUC certificate. However, all new machines/equipment/tools which will have registration within 2020 must be BS6 compliant only.
5. The operator shall ensure 100% attendance of the operator(s) and other workers (hereinafter referred to as manpower) and equipment at all the times and furnish daily performance MIS of work executed as per schedule of operation under real time monitoring framework.
6. The Operator has to share a detailed operations plan for each month (Schedule plan has to be shared by the operator at the beginning of each month), for all the activities like D2D MSW Collection, Cleaning of Open Areas, Parks, and stretch of mechanical and manual sweeping.
7. Battery/Ecofriendly operated Air blower to be used ahead of sweeping machines to bring the litter / leaves and dust from the pavements / all difficult to reach areas on the path of the machine for easy collection by the sweeping machines.
8. The operator would use Litter Picking machine in areas as assigned by the Authority on everyday basis.
9. Every cleaning worker to be equipped with Litter Picking stick for comfortable collection of bulk litter like polythene, paper etc.

10. Bush and Grass Cutting at ground level and hand-held distance to be necessarily done mechanically with help of hand-held fuel operated brush cutters.
11. All deployed vehicle must comply pollution mitigation measures and regulation during their operation and entire concession period.
12. The collected drain silt and other waste materials from their assigned activities will be transported to designated site in consultation with Agra Nagar Nigam.
13. The Operator shall ensure that the employees are in proper dress, and also ensure placement of safety devices and signage's at Project Site during the working hours, as per the specification. Every Worker, Supervisor and Manager to be equipped at all times during working hours: Safety. Caps / Helmets, Nose Mask, Rain Coats, Gloves, Radium Jackets, Safety Boots.
14. All PPE equipments provided to the staff should be as per BIS standards.
15. The Operator shall deploy adequate number of waste transportation vehicles ensuring that all collected litter and debris is transferred to the allocated waste disposal site without any spillages (usage of covered waste transportation vehicles).All vehicles to be used for transportation should be under permissible pollution norms with valid registration and Insurance. The Operator has to co-ordinate with existing door to door collection agencies/ ULB for co-ordinated litter collection plan. The concerned ULB/ Municipal Corporation to facilitate the same.
16. Operator to provide complete list with break-up of transportation vehicles, tools, consumables and manpower for 5 years operation.
17. All the vehicles operated by the operator should be in complete compliance to Motor Vehicle Act / Amendment Sept 2019.
18. All the vehicles operated by the operator should be in complete compliance to safety including Beacon lights, reverse alarm and other safety devices as per specification to be fitted on all vehicles and machines.
19. All vehicles and other ancillary items of this project to meet the project objectives must be good in quality and the cost of same will be borne by operator only.
20. The Operator shall provide the communication system/ equipment including GPS system at his cost in each vehicle as well as at control room location with required network (Hardware & Software) facility so as to have effective communication between Operator and various controlling and monitoring agency. A public address system shall also be provided to enable the machine operator to guide the public as and when required during working at the Project Site in the event of any emergency, mishap etc. Further, the proposed IT equipment can be installed at Integrated Command and Control Centre of Agra Nagar Nigam.
21. The Operator shall provide Beat System for the area requiring manual sweeping which shall ensure creating of Beats for ~1 km area with sweeping area of 5000 Sq.Mts area coverage per worker. However, in any case operator must follow the street seeping norm as stipulated in CPHEEO Manual 2016 and the same is annexed in Annexure.
22. The operator must fulfil the Labour Law Act, 1988 and The Contract Labour (Regulation & Abolition) Act, and Rules, 1970 and other applicable rules during the entire concession period.
23. The operator must ensure that there should not be any pollution due to their ongoing activities and they must implement the mitigation measures for particulate and gaseous pollution due to

- their activities. Further, it will be liability of operator to avoid any loss of material and objects due to their mishandling.
24. The performance of operator will be evaluated by ULB/third party during the entire concession period in their framed IT enable indicator.
 25. The operator is fully liable to clean all the fixed community asset like Bench, Gazebo, and other attractive recreational items on regular interval.
 26. In any case, operator is fully liable to follow all applicable Acts/rules/Guidelines and Directions of Hon'ble NGT/Supreme Court.
 27. The entire activities of operator must be equipped with IT enable mechanism to get monitored by ULB/third party in their prescribed format.
 28. The monitoring of all activities will be carried out by Sanitary Supervisors/Sanitary Inspectors/Zonal Sanitary Officer of Agra Nagar Nigam and they are fully responsible for appraisal of performance of operator on hourly basis.
 29. Data Collection and Computerization of all waste generators for the door to door segregated waste collection services for creation of MIS data base to be used for monitoring Key Performance Indicators and Payments:
 30. The services of door to door segregated waste collection requires that each user/ establishment to whom this service is extended must be documented and sensitized for better and efficient mode of segregated MSW collection at source. This requires not only enlisting of all waste generators in service area but also an effective IEC for creation of demand of services as well as capacity building of waste generators related to his role and responsibility in proper waste collection mechanism of the Municipal area. A simple form for enlisting the waste generators for this service and intimation of user charge per month will be undertaken for enrollment of each household /establishment /waste generator in the Municipal area for this service.
 31. It will be the responsibilities of successful bidders to prepare route plan for collection & transportation of the solid waste within UPSIDC area.
 32. Bidders are advised that in case an alternative routing be proposed, it does not need to be constrained by municipal boundaries. However, where possible, Bidders are to propose routes that prescribe resource efficiency (vehicle/manpower) so that the waste is collected efficiently each day.
 33. Bidders are advised that the Authority is interested in receiving proposals that maximize the efficiency of the deployed vehicles and manpower with utmost quality benchmark. In this regard, the Authority will accept proposals that identify co-collection opportunities.

Note : The details about Road, Household, Open Areas, Parks, is annexed as Annexure.

A. Time Schedules for implementation of daily work schedule

The Successful operator shall adhere to the time schedule set out as decided by the ANN for implementation of the Project. The successful bidders shall also ensure additional cleaning requirement on festival and other contingency caused by rain and other natural disasters requiring appropriate garbage and other clearing.

S. No.	Activity	Time Schedule
1.	Mechanical Sweeping & Cleaning activities	Preferably at night or as per time allotted.
2.	Manual Sweeping & Cleaning activities	Main roads Mandatory at night (Others preferably) or as per time allotted.
3.	Solid Waste Collection	As per ANN
4.	Open Areas/Parks Cleaning	As per ANN
The above timings are tentative, the bidder can decide in consultation with authority for change in timings as & when situation demands.		

Deliverables

S. No.	Activity	Timeframe
1.	Mobilization of Waste Collection Vehicles, Mechanical road sweepers, Litter Picking Machine, High Pressure Washing Van, Van, Door to door collection vehicles & all other assets and resources.	Within 30days from the date of award of LoA (Mechanical Sweeping machine mobilization at 45 days.
2.	Approval of Execution and Asset procurement plan by the Authority.	Within 10 day from the date of submission of list of assets to be procured
3.	Start of Commercial operations	Within 45 days of LoA.

Non-Compliance Penalties

The following penalties shall be imposed by Authority on the successful Bidder.

S.No.	Description	Penalty
1.	The operator fails to deploy the assets in 45 days from the date of receiving the LoA penalty	<p>₹5,000/- per day / per Sweeping Machine / Litter Picking machine / High Pressure Washing Van / transportation vehicles</p> <p>₹500/= per day for non-deployment of Air Blower, fuel operated brush cutter and Rag Picker Stick.</p> <p>₹500/- per day per worker for non-deployment of designated</p>

S.No.	Description	Penalty
		manpower Penalty shall be imposed from the date of commencement of the work. In the event of non-deployment of complete Assets in 90 days the contract would stand null and void.
2.	The Operator fails to undertake the mechanical sweeping on any day(s), on a particular road/ road(s) in the Project Site area and provided that such failure is not caused due to the events beyond Operator's control	₹10,000 per day for the period where till such event is rectified and the mechanical sweeping resumes as per the Management Contract
3.	The Operator fails to ensure that the water nozzle fitted in the mechanical sweepers remains operational at all working time and there is no dust-cloud formation during the sweeping of the road(s).	₹100/- per day per incident
4.	The Operator shall also be responsible for external cleaning of all bell mouths and gully grating(s) (irrespective of their numbers), in the jurisdiction, to ensure smooth flow of storm water, throughout the year. The Operator shall ensure that none of the workman put/ pushes the littering materials/ slit in front/ inside the bell mouth(s). Penalty to be imposed in case of such defaults.	₹50/- per bell mouth per default
5.	The Operator fails to ensure that the employees are in proper dress, and also ensure placement of safety devices and signage at Project Site during the working hours, as per the specification. Every Worker, Supervisor and Manager to be equipped at all times during working hours: Safety. Caps / Helmets, Nose Mask, Rain Coats, Gloves, Radium Jackets, Safety Boots.	₹500/- per day per default per person.
6.	The collected rubbish shall be disposed off by the Operator (all lifts/ leads), at a designated	₹1000/- per default

S.No.	Description	Penalty
	site approved by Authority by deploying equipment of suitable capacity. In case the Operator is found dumping the collected rubbish at a place other than as mentioned in this clause then fine shall be imposed on the operator.	
7.	failure in conducting preventive maintenance of all the equipment on daily basis by the Operator. Operator needs to maintain repair and maintenance logs/dashboard for verification.	₹1000/- per day
8.	The Operator shall ensure not to cause damages to the vehicles of third party and physical loss due to negligent and rash driving. If due to negligent and rash driving any damage is caused to the third party then the Operator shall bear the cost of repairs along with the insurance vendor.	As per actual
9.	If any of the employee of Operator is found not keeping valid driving license and if the mobiles provided (for monitoring of activities and smart ICT application for tracking the machine movement) to supervisor/ manager/ operator are not being used during working hours then the Operator shall be liable to pay a penalty	₹500/- per day per default.
10.	If operator is not able to execute their work for more than 24 hours (Except natural hindrance such as heavy rainfall, natural and anthropogenic disaster) due to any reason then operator is fully liable to pay a penalty	50,000/- Per day default
11.	If any of activities of operator is imposing violation of applicable rules and regulation like (Environmental Protection Act, 1986, Motor Vehicles (Amendment) Act 2019, and Heritage and Public liability Rules and Regulation then operator is fully liable to pay a penalty	As Actual imposed/INR 25,000/- Per default.

S.No.	Description	Penalty
12.	If any defect is carrying out the work by the Operator has been noticed by Sanitary Inspector in Charge then a joint inspection shall be carried out with the representative of Operator and the SI in-charge and all the defaults to be rectified shall be brought to the notice of Operator. The Sanitary Inspector In Charge shall give minimum 24 hours to rectify the defects and if pursuant to the same, the Operator fails to rectify the error within the stipulated time period then the above mentioned penalties shall be levied on the Operator.	As per relevant clauses
13.	No penalty shall be levied on the Operator if the mechanical sweeping is not possible at any of the road due to defective structure of roads. The Operator shall carry out the sweeping manually and get the roads cleaned.	NA
14.	No penalty shall be levied on the Operator if due to heavy rainfall there is water logging on the roads or if any dharnas / strike being carried out by the public on the stipulated roads.	NA
15.	No penalty shall be levied on the Operator if due to persistent rainfall, the working schedule of the machine is disrupted. In such cases, the Operator will make its best efforts to compensate by arranging for the machine to be operated on an alternative day. The revision in schedule will only be possible following a mutual understanding between the Operator and the Authority.	NA
16.	Delay in Mobilization of manpower resource and primary waste collection vehicles for Door to Door Waste Collection	25,000/- Per Day
17.	Non performance of Waste Collection from more than two days in any case	10,000/- Per Day

S.No.	Description	Penalty
18.	After observation of littering cluster in open areas/parks for more than 2 days	20,000/- Per Incident
19.	Non performance of activities as per contract agreement for a day	1.5 times of calculated per day contracted amount on daily basis

Note: Additional Penalties pertaining to adherence to Service level Benchmarks are as per defined in this document.

B. Smart Solid Waste Collection & Management systems (INFORMATION & COMMUNICATION TECHNOLOGY (ICT):

- a) Deploy System in which all the collection and transportation vehicles are fitted with GPS tags and Vehicle Tracking Management System (VTMS) to detect tempering, track and monitor the vehicles and hence efficiently plan the routing and resources for transportation system.
- b) In addition to VTS, the GIS system developed by Authority is to be integrated with Management Information System (MIS)/VTS for collecting information at micro level. The MIS system shall be as per the requirement of Authority and if any updates and revision is required during tenure of project the Bidder shall carry such revisions at no extra cost.
- c) The total GPS/GIS system /mobile based APP for SWM monitoring is required to be integrated with ICCC i/c RFID TAG and reader as already provided by Smart City to concern ZSO/CSFI/SFI shall be used for DTDC collection Agra Smart City Project.
- d) The successful bidder shall compulsorily install Vehicle Tracking Management System (VTMS) on each vehicle through own cost used for collection & transportation of MSW, with the necessary web based software, accessible from web, personal computer/ laptops, network links with antivirus installed, printer, GPS / Sim Card / Dongle and shall connect the system with ICCC. Please note that for payment of collection and transportation fee, VTMS record is mandatory (computerized generated bills to be submitted along with complete MIS report auto generated from the system including manpower tracking reports).
- e) ICT (Information and Communication Technology) based attendance system shall be undertaken by the operator for ensuring the timely presence and monitoring of work done by all its deployed manpower and such monitoring is to be based as real time reporting of time and duration spent by the employee for operation of the services. This would entail that each worker/employee deployed for the Operation must have a Phone with capability of smart applications (Running on Android mobile OS minimum version 9.0) to be able to communicate data and other features like photo/video in real time for reporting. Similarly, all vehicles and usage of mechanical equipment by the operator must have VTS and other

suitably enabled ICT mechanism to make real time reporting about the movement and usage of such vehicles and equipment deployed by the Operator.

- f) If in future Authority adopts sensors enabled smart bins with QR (Quick Response) code tags or screening system to monitor the collection efficiency, in such case the capital expenditure to implement such system shall be Authority's responsibility, operator shall operate and maintain the system as decided by the Authority.
- g) Operator shall maintain database for manpower, vehicles, storage bins, lifting of waste, unnoticed waste, user charge collection, defaulter list, etc. as applicable. The operator shall design software compatible with mobile phone to track and monitor and report in real time on the various parameters.
- h) Every deployed vehicle and personnel related to the execution of the project must be tracked in real time with suitable deployment of software/hardware ICT infrastructure for all project execution related work and this requires not only VTS for vehicles and suitable biometric/other IT application but also requires that the Bidder ensures all its deployed manpower has proper android based mobile phone with video camera recoding features that may be used for integration of smart ICT solutions envisaged by ANN to be integrated easily and it shall be absolutely mandatory for the Bidder to ensure that any monitoring software solution related to the project whenever is implemented by the Authority, the Bidder will be fully complying to it for all features in terms of recording of performance of man and resources in real time.
- i) Supply, install, configure, commission and maintain GPS devices, RFID/QR CODE TAGs (Sticker Type), RFID/QR CODE TAG (Metal mount Type) / Virtual RFID, RFID/QR CODE readers, Biometric Fingerprint devices, Necessary hardware for Software Application hosting at ANN Data Centre along with Software Application System and keeping 5% of devices as spare.
- j) The scope also includes 5 years comprehensive warranty of all hardware supplied by the bidder.
- k) The bidder is also required to propose and implement suitable technology for ICT based monitoring of the entire project. The CAPEX for the same will be provided by the authority while the OPEX of the same is to be borne by the bidder.

C. PAYMENT LINKED WITH ICT BASED REPORTING:

All the monthly payment bills will be linked with the real time-based reporting of deployed vehicles on VTS, attendance and working hours of deployed manpower and other data fetched into the ICT system related to door to door collection. The Bidder will be required to put RFID/QR CODE/QR Code or other such technology-based application that may generate real time report of movement of deployed manpower and vehicles for every point to point (door to door collection) in real time. Thus, the Bidder is required to do following action for raising its' bill:

For every non-bulk waste generator, the data will be fetched in real-time by RFID/QR CODE /QR code/other suitable method installed at the source of collection.

Thus, the waste collector deployed by the Bidder for door to door collection will scan the RFID/QR CODE/QR Code while providing the collection service. Any missed scanned data will be considered as non-service to that cluster (number of units) and incur not only deduction for the same but also penalty may be imposed for continued failure as per the provisions related to performance indicators in service level benchmark and incur penalty. The one-time cost incurred in installing RFID/QR CODE/QR Code/other suitable scanning method will be paid by ANN maintenance of the same and service-based replacement due to damage/tampering/mishandling etc. is the responsibility of the bidder and the cost of the same shall be borne by the bidder itself.

D. Payment & Penalty Calculation Module

The payment to the Bidder is based on the number of clients served as per key performance indicator. The Bidder is required to provide the services as per the SLAs defined. The payment and penalty calculation should be possible through this system (ICT). The Bidders are awarded payment based on certain condition. Also, penalties are calculated based on certain conditions. The solution should have business rule configuration (ICT based module) module where penalty conditions can be configured. These business rules (ICT software modules) should be taken into consideration while calculating final payment amount to be paid to the Bidder. This module should enable to generate payment reports capturing performance of the Bidder depending on various performance SLAs and KPIs like missed properties for collection, time schedule compliance, no. of trips, route compliance, etc. For the Door to Door Garbage Collection penalties are levied if the vehicles do not start and end the collection activity in time, if the vehicle/waste collector misses any society/building (missed POI), if the Bidder has not deployed the number of vehicles/personnel as defined for a particular zone, etc.

E. REDRESSAL OF PUBLIC GRIEVANCES:

- a. The Bidder shall develop and implement a Complaint Redressal system. Complaints relating to Collection and Transportation services of SWM, user charges (if applicable) shall be received at such office i.e. Consumer Grievances Redressal Cell on 24x7 basis and communicated immediately to the concerned staff of the Bidder/Agency for appropriated redressal. The Cell should have adequate IT enabled infrastructure to receive call by citizens as well online registration of grievances. ICCC should be used for this purpose.
- b. Complaints shall be registered, numbered and immediately passed on to the concerned
- c. staff of the Bidder for redressal through tailor made software compatible with prevailing software of mobile and computer to be installed by the Bidder.
- a. For Redressal of Public Grievances related to SWM services, operator shall promote SBM official app “Swachhata – MoHUA” of Ministry of Housing and Urban Affairs (MoHUA), GOI.

F. SUPPORTING SERVICES:

- a. In order to provide hygienic service periodic bin washing and its maintenance service shall be planned and implemented by the service provider for all the bins in the project area.

- b. An appropriate bin washing arrangement shall be provided.
- c. All bins (if any) on road provided shall be washed and disinfected at least once in 15 days.
- d. The ground at the place where vehicles stop for loading shall be clean-swept, if there are any dropping of the refuse from the container while loading and it should be disinfected by an approved disinfectant liquid spray.
- e. Disinfectant for spraying around refuse bins on roads and at the spots of collection of the bins should be Eco-friendly, nontoxic, non-acidic. Oil based deodorant and disinfectant shall be used for cleaning purpose.
- f. All manpower required to fulfil the operator scope shall be provided by the operator.
- g. Establishment of local office/offices for monitoring of the project shall be Successful bidder's responsibility at its own cost.
- h. There will be no lease of land for the purpose of this project. ANN will provide right to use the land on license basis to Operator for this project only if required. However, ownership of the land provided will remain with ANN at all times.
- i. The Bidder has to carry out their duty 365 days throughout the year (Except on national holidays). The usual working hours shall start from 6 a.m. on all the seven days of the week.
- j. Obtaining of all necessary statutory consent and clearances required for implementation of the Project and maintaining thereon as per Applicable Laws;
- k. Bidder must ensure compliance of Solid waste Management Rules 2016 as per scope of work.
- l. Development/Implementation of Emergency Response Protocol for the operation of the Project. Removal of waste from the Project Area prior and/or after, in an emergency situation of the ANN such as any public meeting, Government functions and any other occasion/ festivals etc., or during the night hours on instructions from ANN within 12 (twelve) hours on receipt of instructions.
- m. The project area of operation defined for the purpose of the Project is limited to the jurisdiction of the ANN at any given point of time during the period of contract.
- n. The Bidder has to work out their own manpower requirement based on the scope and Corporation requirement and it shall be included in the Technical Offer.
- o. The equipment/vehicles shall be marked with ULB, Swachh Bharat Mission logo, 150th Anniversary of Mahatma Gandhi Logo, Agra Smart City Logo of at least 12 inches by 12 inches' size with prior approval from competent authority.
- p. All vehicles Pollution under Control Certificate (PUCC) shall be properly displayed and all other documents shall be properly maintained by the operator during the contract period. Although the vehicles required for the project shall be provided by the Authority, however it is made clear that the maintenance of the vehicles shall be entirely Bidder' responsibility and any liability incurred due to untoward event/accident caused during operation of the vehicle during project period shall be entirely and solely the responsibility of the Bidder and the Authority shall be free to recover such liabilities from dues to be paid to the Bidder.
- q. Each vehicle shall carry first aid kit & fire extinguisher.

- r. Name of the facility operator or the transporter, as the case may be, shall be displayed.
- s. Emergency phone numbers shall be displayed properly.
- t. Exposure of community to the odour, spillages & emissions from wastes shall be avoided during transportation.
- u. The quantification of waste shall be done on daily basis and the report of the same shall be shared with the Authority. The daily, weekly, monthly, quarterly, six monthly and annual data shall be maintained by the Bidder vehicle wise.
- v. The Bidder shall submit the annual report to the Authority as per the Form-III of SWM rules 2016.
- w. The Bidder shall provide all the inputs to the Authority as required for filling the form-IV as per SWM rules 2016.
- x. The Bidder shall provide training to the worker before commencement of work and it should be part of continued and sustained in systematic manner over contract period to attain the objective of SWM Rules 2016.

G. USER CHARGE COLLECTION:

User Charge will be collected by Agra Nagar Nigam

H. Record Keeping

- i. A day-to-day record with weekly, monthly, quarterly, six monthly and annual extracts is required to be submitted by the Contractor. The Bidder shall have to devise his specialized format for daily record or logbook.
- ii. The record keeping, information to be provided can be summarized as below:
 - a. The vehicle information and the weight at the time of entry and exit shall be registered at processing site. The log for the same shall be maintained. The summary of the same shall be provided by the Bidder on demand by the Authority.
 - b. Accident Reporting
 - c. Date and time of accident.....
 - d. Sequence of events leading to accident.....
 - e. Name of non-hazardous solid waste involved in the accident.....
 - f. Chemical datasheet assessing effect of accident on health and environment.....
 - g. Emergency measure taken.....
 - h. Step to prevent recurrence of such wastes.....
 - i. The Bidder shall also maintain a record of inspections and visits of officials from UPPCB, CPCB, & local authorities.....

3.5 Repairs and Maintenance

- 3.5.1 The operator shall carry out all type of the repairs such as minor repairs related to Radiator leakage, engine water pump, wheel hub, electrical works, external leakages (oil / water / diesel), mechanical / hydraulic settings, transmission settings, brake / steering jobs, brush replacement / repairs etc., within 24 hours of reported breakdown of machine. The agency shall provide a replacement for duration, till the broken equipment is rectified and mobilized back to work. It will be preferable to get repairing of items/machine/vehicle in idle time.
- 3.5.2 The contractor should ensure that all the equipment should be in proper running condition at all times during the contract period. Advanced availability of spare parts /consumables/ equipment / local service by the OEM to be ensured by the operator at the local implementing ULB. The operator must carry out all major repairs such as structural/chassis, engine, hydraulic motor and pumps, clutch overhaul, suspension etc. within 7 days, provided that they may be required to arrange for a replacement, till the maintained machine is back to work.
- 3.5.3 The operator shall maintain a small workshop (land for the same to be provided by the ULB) for minor repairs within 1 month of award of contract/ outsource it to local vendors for the same at its discretion. The operator shall ensure smooth availability of consumables & non-consumables inventory in a manner that smooth continuity of daily operations is maintained.
- 3.5.4 The Operator shall ensure to carry out regular timely maintenance in order to keep the movable and immovable items in the operative status at all the times and as described below;
- a. As regards servicing routine and scheduled maintenance of the each machine, the same shall be carried out by the Operator through their maintenance staff preferably during the idle period in rotation.
 - b. Arrange the adequate no. of labour/manpower at their level and at their cost.
 - c. Arrange for all the consumables, fuels, oil and spare components at their level and at their own cost. The tentative schedule of their preventive and schedule maintenance which Operator will be required to carry out as per as manufacturer's recommendations.
 - d. As regards break down and accidental maintenance of the each machine, the same shall be carried out by the Operator through their field maintenance staff as well as in-house staff as and when required.
 - e. The Operator shall ensure to keep enough spare/stand by units for preventive and breakdown maintenance of all the equipment and the same shall be verified at any time during Contract Period for smooth and uninterrupted working of the machines.
 - f. The operator must maintain the record of all engaged resource, daily work report/details of consumable and non consumable items.

- g. The entire cost of wear and tear/replacement of items/repairing of items/loss of items will be borne by operator only.

3.6 Capacity and Awareness Building

- 3.6.1 Designing and implementing public awareness campaigns to promote the best response from public in non-spreading of litter by usage of dustbins and restraining them from the traditional practices of dumping the wastes into the drains, parks and or any other open spaces. These shall be organised in co-ordination with the events being implemented by the ULB separately. The operator has to come up with a plan for the campaigns as per the requirement and as per guidelines provided by ULB (branding and Publicity Right for advertisement solely remains with Authority)
- 3.6.2 To support NGO, RWA, City officials in public awareness campaigns.
- 3.6.3 Co-ordinate with the ULB and the Authority for providing effective and sustained road cleaning services.

3.7 Monitoring and Quality Control

- 3.7.1 Third Party Monitoring & Control: All monitoring and control will be done by 3rd party (A separate agency will be appointed by Agra Nagar Nigam for the same) who shall be responsible for monitoring cleaning performance, asset management, manpower deployment etc. through designed software incorporating performance evaluation. All Payment shall be made based on report delivered by the 3rd party and after appraisal of same by SS/SI/ZSO. Necessary data/digital pictures/real time video capture etc. as required by the separate monitoring agency has to be provided by the contractor through software as per requirements. The cost of all IT equipment/services will be borne by Operator only.

3.8 Payment terms

The payment shall be made as under:

- 3.8.1 Payment with respect to above scope of work for Door to Door SW Collection and their transportation, Open Areas & Parks and Mechanical, Manual Sweeping of Roads & Cleaning Services in UPSIDC area. The work shall be measured in terms of per kilometre road length including service lane, footpath and central verge, complete in all respects as described in the RFP document.

The successful bidder/operator shall be required to quote a **“Contract Unit Rate per Km road length per day as specified under Scope of Work”** and shall mean in full carrying out all the required operations, complete in all respects to the satisfaction of Authority and as has been detailed out in the draft Management Contract. However, the user charge collection from different waste generator will be carried out by ULB/3rd Party within defined project boundary of UPSIDC area. Bidder will be responsible for strengthening of IEC and source based segregation & storage of waste

in 4 streams as Dry, Wet, sanitary and Domestic hazardous. Further, the operator is fully liable to pay monthly wages along with EPF, ESIC/other applicable wages to their labour with following govt. Rules. In any case, the labour could not act as hindrance in their daily services.

3.9 Specifications of Equipment (As per Annexure)

- 3.9.1 The Sweeping machines Cleaning machines, High Pressure Washing Van, Litter Picking Machine, Air Blowers, Litter Picking Sticks machines deployed for the project should be new and registered in the year 2020-21 as per technical specifications and complying to all registration, insurance, pollution regulations.
- 3.9.2 The Sweeping Machines should be able to sweep the road, street etc. and all equipment should be capable of sweeping various materials like leaves pebbles and stones up to 100 mm size as well as dust. The machine should have capability of picking bulk debris and fine dust particles in the same pass. All equipment to be deployed as per specifications.
- 3.9.3 All Self-Propelled Machine should be able to dump the collected waste directly into storage vehicle / tank directly without having to travel to the dumping site.
- 3.9.4 For door to door collection equipment bidder to submit a detailed list of asset procurement plan with equipment specifications which will be subsequently subject to approval from the authority. This is to ensure that the bidder gets time to assess the on-ground project requirements and estimate the optimal vehicle mix.

3.10 City Specific Asset and Work details– Agra

Sl No	ULB Name	Agra (Min.Qty.)
1	6m ³ Self Propelled Sweeping Machine	1
2	3m ³ Self Propelled Sweeping Machine	Contractor to Estimate
4	Mobile High Pressure Washing Van	Contractor to Estimate
5	Manpower	Contractor to Estimate
6	Primary Waste Collection Vehicle	As per SBM and Contractor need to Estimate
9	Fuel Operated Air Blower	4 Nos. per sweeping machine
10	Rag Picker Stick	1 Per Sweeper
11	Hand-Held Brushcutter	2
12	Waste Transportation Vehicles & Material	Contractor to Estimate
13	Tools	Contractor to Estimate
14	Consumables	Contractor to Estimate

Deployment of machines and manpower in designated areas would be done in consensus of the contractor and ULB seeing all practicalities and best output / performance. It is recommended operator to visit the site prior to bid participation.

3.11 Price Escalation/Adjustment formula

The Annual Price escalation shall be implemented @5% in sanctioned rate as per formula.

Annual Escalation in General Costs In order to enable stable service provision even in the face of annually escalating general costs, the concessionaire may be allowed an annual increase in the contract value. The following guidance may be used to calculate the allowed increase. 'y'% increase in the base rate 'X' may be given annually to cover the increase in general costs. The increase may be calculated as per these examples:

After 1 year X plus y% of X

After 2 years X plus 2y% of X

After 3 years X plus 3y% of X

After 4 years X plus 4y% of X

After 5 years X plus 5y% of X

Where X is the 'base rate' accepted at the time of award of contract as against rate per Household quoted by the selected bidder.

Where y is @5% of the Sanctioned Annual project cost.

Section 4: Technical Proposal – Standard Forms

FORM TECH-1

LETTER OF PROPOSAL SUBMISSION

[Location, Date]

To,

[Name and address of Employer]

Dear Sirs,

We, the undersigned, offer to provide the job for Door to Door MSW Collection and their transportation, Open Areas & Parks and Mechanical, Manual Sweeping of Roads & Cleaning Services in UPSIDC area of Agra Nagar Nigam in accordance with your Request for Proposal dated *[Insert Date]* and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal with requisite EMD and bid processing fees.

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.

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

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signatory

[In full and initials]

Name and Title of Signatory:

Name of Firm:

Address:

FORM TECH-2

Form 2: BIDDER'S ORGANIZATION AND EXPERIENCE

Form 2A: Format for Details of Bidder

1. Details of Bidder

A	Name of bidder with full address	:	
B	Tel. No.	:	
C	Fax No.	:	
D	Email	:	
E	Year of Incorporation.	:	
F	Name and address of the person holding the Power of Attorney.	:	
G	(i) Place of Business.	:	
H	(ii) Date of Registration.	:	
I	Name of Bankers with full address.	:	
J	GSTN Registration Number (copy).	:	
K	Permanent Account Number (copy).	:	
L	Are you presently debarred / Blacklisted by any Government Department /Public Sector Undertaking /Any Employer? (If Yes, please furnished details)	:	
m	Name and details (Tel / Mobile / E mail) of contact persons	:	

Form 2C: Engagement Experience

List projects in the last five years which are similar to that required in the RFP.

Assignment name:	Value of the contract (in current INR):
Country:	Duration of assignment (months):
Name of Employer:	Total Kms. of road covered in the assignment:
Address:	
Start date (month/year):	
Completion date (month/year):	
Narrative description of Project (scope details):	

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

FORMTECH-3

Letter for Blacklisting

[Location, Date]

To,
[Name and address of Employer]

Subject: Letter of Declaration for not have been Blacklisted/ Debarred/ terminated from Agra Municipal Corporation/ withdrawn or fail to execute the services in accordance with tender/ agreement with any ULB by either Lead Bidder or Consortium

We, *[Name of Firm]* have not been black listed/ debarred/ terminated from Agra Municipal Corporation of contract except for reasons of convenience of employer by any Government/ Government board/ Corporation/ Company/ Statutory Body/ PSU Company/ Non-Government/ Government of any sovereign countries/ Private agencies and Funding Agencies in the last 5years. Also, neither our company or consortium has failed to take up the contract in last 3years, despite being announced as successful bidder.

Incase declaration made by us found not correct, authority has the rights to reject our proposal or agreement at any stage and forfeit our EMD and Performance Bank Guarantee.

For *[Name of Firm]*,

Authorized Signatory [In full and initials]

Name and Title of Signatory:

Name of Firm:

Address:

FORM TECH-4

Power of Attorney for signing of Application

Know all men by these presents, We..... (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr/ Ms (name),..... son/daughter/wife ofand presently residing at, who is presently employed with us and holding the position of, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for pre-qualification and submission of our bid for the Request for Proposal for Door to Door MSW Collection and their transportation, Open Areas & Parks and Mechanical, Manual Sweeping of Roads & Cleaning Services in UPSIDC area of Agra Nagar Nigam, Agra. Project proposed or being developed by the Agra Nagar Nigam/Directorate of Urban Local Bodies, Uttar Pradesh (the "Authority") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in Pre-Applications and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Concession Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Concession Agreement with the Authority.

AND

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

IN WITNESS WHEREOF WE,, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF, 20.....

For

..... (Sole Bidder/ JV/ Consortium Members)

(Signature, name, designation and address)

Witnesses:

- 1.
2.

(Notarised)

Accepted

.....

(Signature)

(Name, Title and Address of the Attorney)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- Wherever required, the Applicant should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Applicant.
- For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Applicants from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Appostille certificate.

Section 5: Financial Proposal – Standard Forms
FORM FIN-1
FINANCIAL PROPOSAL SUBMISSION FORM

Location

Date

To: *[Name and address of Employer]*

Dear Sirs:

We, the undersigned, offer to provide the job for Mechanical and Manual cleaning of wards in Agra Nagar Nigam in accordance with your Request for Proposal datedand our Technical Proposal. Our Financial Proposal is placed as under:

S.N	Job DESCRIPTION	UNITS	Quoted Price per Unit in Rs	Quoted Total Price per month	Total Amount
1.	Door to door collection of solid waste from households in project area	No.s			
2	Mechanical Road Sweeping in project Area	Per KM			
3.	Manual Road Sweeping in Project area	Per KM			

*Note: Final Payment Calculation will be based on actual road length cleaned
\$: Estimated for Evaluation Purpose payment to be made at actuals at Unit Rate.*

We hereby confirm that the financial proposal is unconditional and we acknowledge that any condition attached to financial proposal shall result in reject of our financial proposal. Our Financial Proposal shall be binding upon us subject to the modification resulting from Contract negotiations, up to expiration of the validity period of the proposal.

Yours sincerely,

Authorize Signature [In full and initials]

Name and Title of Signatory:

Name of Firm:

Address:

Section 6: Terms and Conditions

DRAFT CONTRACT FOR BIDDERS' SERVICES

Between

[Name of the Employer]

&

{Agra Nagar Nigam}

and

[Name of the Bidder]

Dated:

Form of Contract

(Text in brackets [] is optional; all notes should be deleted in final text)

This CONTRACT (hereinafter called the "Contract") is made the *[day]* day of the month of *[month], [year]*, between, on the one hand, *[name of employer]* (hereinafter called the "Employer") and, on the other hand, *[name of Bidder]* (hereinafter called the "Bidder").

WHEREAS

- (a) the Employer has requested the Bidder to provide certain job as defined in this Contract (hereinafter called the "Services");
- (b) the Bidder, having represented to the Employer that it has the required professional skills, and personnel and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract;

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - (a) The General Conditions of Contract;
 - (b) The following Appendices: *[Note: If any of these Appendices are not used, the words "Not Used" should be inserted below next to the title of the Appendix]*
 - Appendix A: Description of Services
 - Appendix B: Reporting Requirements
 - Appendix C: Staffing Schedule
 - Appendix D: Breakdown of Contract Price
 - Appendix E: Duties of the Employer

2. The mutual rights and obligations of the Employer and the Bidder shall be as set forth in the Contract, in particular:
 - (a) Bidders shall carry out the Services in accordance with the provisions of the Contract; and
 - (b) Employer shall make payments to the Bidders in accordance with the provisions of the Contract and report of 3rd party appointed for monitoring and control.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.
For and on behalf of *[name of Employer]*

[Authorized Representative]

For and on behalf of *[name of Bidder]*

[Authorized Representative]

General Conditions of Contract

1. GENERAL PROVISIONS

1.1 Definitions Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- (a) “Applicable Law” means the laws and any other instruments having the force of law in India for the time being.
- (b) “Bidder” means any private or public entity that will provide the Services to the “Employer” under the Contract.
- (c) “Contract” means Conditions of Contract, the Employer’s Requirements, the Tender, the Contractor’s Price Proposal, the Annexure, the Letter of Acceptance, the Contract Agreement (if completed) and such further documents as may be expressly incorporated in the Letter of Acceptance or Contract Agreement (if completed).
- (d) “Day” means calendar day.
- (e) “Effective Date” means the date on which this Contract comes into force and effect pursuant to Clause.
- (f) “GC” means these General Conditions of Contract.
- (g) “Government” means the Government of India
- (h) “Local Currency” means Indian Rupees.
- (i) “Member” means any of the entities that make up the joint venture/consortium/association; and “Members” means all these entities.
- (j) “Activity Schedule” means schedule of activities comprising the different tasks/operations to be performed by the Contractor under the Contract.
- (k) “Works” are what Contract requires the Contractor to carry out and perform.
- (l) “Acceptance Letter” means the document from the Employer on behalf of DLB, UP addressed to Contractor indicating acceptance of the Contract Price and its acceptance of the Contractor as the preferred party to carry out the works, perform services and operations under the Contract.
- (m) “GoUP” means Government of Uttar Pradesh.
- (n) “RCUES” means Regional Centre for Urban And Environmental Studies
- (o) “DLB” means Directorate of Urban Local Bodies, Uttar Pradesh

1.2 Other Definitions

- i. “House/Property” means a house/property, existing in the area of selected ULBs in Uttar Pradesh.
- ii. “Corrupt Practice” means the offering, giving, receiving or soliciting, directly or indirectly of anything of value to influence the action of a public official in the procurement process or in contract execution.
- iii. “Parking Site” means the place arranged by the contractor for the purpose of parking, repairing and refuelling of vehicles during the contract period.

1.3 Relationship between the Parties: Nothing contained herein shall be construed as establishing a relationship of master and servant or of principal and agent as

between the “Employer” and the Bidder. The Bidder, subject to this Contract, has complete charge of Personnel and Sub-Bidders, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

- 1.4 Law Governing Contract:** This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the applicable laws of India.
- 1.5 Headings:** The headings shall not limit, alter or affect the meaning of this Contract.
- 1.6 Notices:**
- 1.6.1** Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered post to such Party at the address specified in the SC.
- 1.6.2** A Party may change its address for notice hereunder by giving the other Party notice in writing of such change to the address specified in the SC.
- 1.7 Location:** The Services shall be performed at Uttar Pradesh, India.
- 1.8 Authorized Representatives:** Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the “Employer” or the Bidder may be taken or executed by the officials specified in the SC.
- 1.9 Taxes and Duties:** The Bidder, Sub-Bidders and Personnel shall be liable to pay such direct and indirect taxes, duties, fees and other impositions levied under the applicable laws of India.
- 1.11 Fraud and Corruption**
- 1.11.1 Definitions:** It is the Employer’s policy to require that Employers as well as Bidders observe the highest standard of ethics during the execution of the Contract. In pursuance of this policy, the Employer defines, for the purpose of this provision, the terms set forth below as follows:
- (i) “Corrupt practice” means the offering, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;
 - (ii) “Fraudulent practice” means a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;
 - (iii) “Collusive practices” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Employer, designed to establish prices at artificial, non-competitive levels;
 - (iv) “coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract;

1.11.2 Measures to be taken by the Employer

(a) The Employer may terminate the contract if it determines at any time that representatives of the bidder were engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of that contract, without the bidder having taken timely and appropriate action satisfactory to the Employer to remedy the situation;

(b) The Employer may also sanction against the Bidder, including declaring the Bidder ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the Bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, an Employer-financed contract;

2. COMMENCEMENT, COMPLETION, MODIFICATION AND TERMINATION OF CONTRACT

2.1 Effectiveness of Contract: This Contract shall come into force and effect on the date (the “Effective Date”) of the “Employer’s notice to the Bidder instructing the Bidder to begin carrying out the Services. This notice shall confirm that the conditions precedent and effectiveness conditions, if any, listed in the SC have been met.

2.2 Termination of Contract for Failure to Become Effective: If this Contract has not become effective within such time period after the date of the Contract signed by the Parties as specified in the SC, either Party may, by not less than thirty (30) days written notice to the other Party, declare this Contract to be null and void, and in the event of such a declaration by either Party, neither Party shall have any claim against the other Party with respect hereto.

2.3 Commencement of Services: The Bidder shall begin carrying out the Services not later than 45 days after the Effective Date specified in the SC.

2.4 Expiration of Contract: Unless terminated earlier pursuant to Clause, this Contract shall expire at the end of such time period after the Effective Date as specified in the SC.

2.17 Entire Agreement: This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any other statement, representation, promise or agreement not set forth herein.

2.6 Modifications or Variations: (a) any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. Each Party shall give due consideration to any proposals for modification or variation made by the other Party. (b) In cases of substantial modifications or variations, the prior written consent of the Employer is required.

2.7 Force Majeure

2.7.1 Definition (a) For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and not brought about by or at the instance of the Party claiming to be affected by such events and which has caused the non-performance or delay in performance, and which makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other extreme adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by Government agencies.

(b) Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or by or of such Party’s Sub-Bidders or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected both to consider at the time of the conclusion of this Contract, and avoid or overcome in the carrying out of its obligations hereunder.

(c) Subject to clause, Force Majeure shall not include insufficiency of funds or inability to make any payment required hereunder.

2.7.2 No Breach of Contract: The failure of a Party to fulfil any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.

2.7.3 Measures to be taken: (a) A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

(b) A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible.

(c) Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

(d) During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder, upon instructions by the “Employer”, shall either:

(i) Demobilize, or

(ii) Continue with the Services to the extent possible, in which case the Bidder shall continue to be paid proportionately and on prorata basis, under the terms of this Contract.

(e) In the case of disagreement between the Parties as to the existence or extent of Force Majeure.

2.8 Suspension: The “Employer” may, by written notice of suspension to the Bidder, suspend all payments to the Bidder hereunder if the Bidder fails to perform any of its obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall allow the Bidder to remedy such failure, if capable of being remedied, within a period not exceeding thirty (30) days after receipt by the Bidder of such notice of suspension.

2.9 Termination

2.9.1 by the “Employer”: The “Employer” may terminate this Contract in case of the occurrence of any of the events specified in Clause

(a) If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension pursuant to Clause hereinabove, within thirty (30) days of receipt of such notice of suspension or within such further period as the “Employer” may have subsequently approved in writing.

(b) If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its Members becomes and which has substantial bearing on providing Services under this contract) insolvent or go into liquidation or receivership whether compulsory or voluntary.

(c) If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause.

(d) If the Bidder, in the judgment of the “Employer”, has engaged in corrupt or fraudulent practices in competing for or in executing this Contract.

(e) If the Bidder submits to the “Employer” a false statement which has a material effect on the rights, obligations or interests of the “Employer”.

(f) If the Bidder places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to the Employer.

(g) If the bidder fails to provide the quality services as envisaged under this Contract. The committee formulated to monitor the progress of the assignment may make judgment regarding the poor quality of services, the reasons for which shall be recorded in writing. The committee may decide to give one chance to the bidder to improve the quality of the services.

(h) If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) days.

(i) If the “Employer”, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.

In such an occurrence the “Employer” shall give a not less than thirty (30) days’ written notice of termination to the Bidders, and sixty (60) days’ in case of the event referred to in (i).

2.9.2 By the Bidder: The Bidder may terminate this Contract, by not less than thirty (30) days’ written notice to the “Employer”, in case of the occurrence of any of the events specified in Clause.

- (a) If the “Employer” fails to pay any money due to the Bidder pursuant to this Contract hereof within forty-five (45) days after receiving written notice from the Bidder that such payment is overdue.
- (b) If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- (c) If the “Employer” fails to comply with any final decision reached as a result of arbitration.
- (d) If the “Employer” is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the “Employer” of the Bidder’s notice specifying such breach.

2.9.3 Cessation of Rights and Obligations: Upon termination of this Contract pursuant to Clauses, or upon expiration of this Contract pursuant to Clause GC, all rights and obligations of the Parties hereunder shall cease, except (i) such rights and obligations as may have accrued on the date of termination or expiration, (ii) the obligation of confidentiality set forth in Clause, and (iv) any right which a Party may have under the Law.

2.9.4 Cessation of Services: Upon termination of this Contract by notice of either Party to the other pursuant to Clauses hereof, the Bidder shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum.

2.9.5 Payment upon Termination: Upon termination of this Contract pursuant to Clauses , the “Employer” shall make the following payments to the Bidder:

- (a) If the Contract is terminated pursuant to Clause, remuneration pursuant to Clause for Services satisfactorily performed prior to the effective date of termination, and reimbursable expenditures pursuant to Clause for expenditures actually and reasonably incurred prior to the effective date of termination;
- (b) If the agreement is terminated pursuant of Clause, the bidder shall not be entitled to receive any agreed payments upon termination of the contract. However, the “Employer” may consider to make payment for the part satisfactorily performed on the basis of Quantum Merit as assessed by it, if such part is of economic utility to the Employer. Applicable Under such circumstances, upon termination, the employer may also impose liquidated damages as per the provisions of Clause of this agreement. The bidder will be required to pay any such liquidated damages to employer within 30 days of termination date.

2.9.6 Disputes about Events of Termination: If either Party disputes whether an event specified in Clause has occurred, such Party may, within thirty (30) days after receipt of notice of termination from the other Party, refer the matter to Clause , and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

2.10 Scope of Work

The Operator shall ensure to conduct sweeping and cleaning of the selected area including Main Roads, service roads, Arterial Roads (streets, narrow streets, gullies) footpaths, road berms, central verge, curb channels, curb stones gully etc., which means complete solution for RoW (Right of Way), the objective is to keep the areas litter and dust free. Collection of SW with following SWM Rules, 2016 under the initiative of Door to Door Collection system from each unit in UPSIDC area and their transportation at designated transfer point.

The type of work to be conducted is as under:

- a) Mechanical sweeping will be performed on divider roads as per the time & frequency table.
- b) The operator needs to ensure that where ever the mechanized sweeping of road is not possible, that particular stretch of the road area has to be manually swept to ensure cleanliness. Frequency of manual cleaning including litter picking to be worked out at 7 days/week.
- c) Swept roads shall be kept litter and dust free during the next day operation hours, from entire wall-to-wall basis. Sweeping of Roads/ Streets/ Lanes would include Bitumen, Pakka, Footpath, Ramps and kuccha portions including sides – Corner to corner. The cleaning of sitting desk/bench will be carried out frequently.
- d) Undesirable wild grass and vegetation on the side berms, footpaths, medians of all roads shall be removed by the Operator.
- e) Clearance of upto 1Mts open drains running along with the carriage way.
- f) Door to Door collection of waste in segregated form (Wet, Dry, Sanitary and Domestic hazardous) all the household, commercial, institutional, industrial units and shops including street vendors situated in the area.
 - i. The Operator will be responsible for safe collection and transportation of small quantity of loose materials/ debris deposited on or along the roads, service lanes, central verge and footpaths/ road berms by mechanical sweepers or manually and if any dead animal like Dogs & Cats are found on these roads and in the vicinity area under contract, are to be collected and transported to the nearest dumping site as provided by the Authority and Big animals like Cows, Horses etc. are to be reported immediately to concerned Authority for further needful action.
 - ii. Operator shall deploy an Emergency Response Team which shall be available at such places wherein the cleaning is required pursuant to the receipt of any complaint during day hours (Through ULB or Directly by citizens through Manual/Electronic means).
- g) It is the responsibility of the bidder to maintain a computerized central monitoring control room for the entire activities like Door to Door Collection, Cleaning of open areas, Parks,, mechanical vehicles manned with an operator capable of handling the monitoring systems and support the Nagar Nigam in efficiently tracking the vehicles on a daily basis and provide monthly reports to the 3rd party / authority with actual GPS based vehicle movement report. All vehicle monitoring to be enabled with real

time monitoring which will be developed by Operator and will be installed at Integrated Command and Control Centre of Agra Nagar Nigam. The generated report should also include real time pictures of all activities (min no.0.5 per Kms, per Pass) of the work undertaken through mechanical sweeping (Vehicle mounted cameras (front and reverse both) can be used for this as well).

- h) The operator shall be responsible for removal of loose material and small animals like dogs/cats/goats etc. However, for clearing large animals the operators should coordinate with the municipal corporation.
- i) The operator is fully liable to supply all resources as and when required by Agra Nagar Nigam during any occasional requirement.
- j) Develop IEC material and undertaking awareness drives for the activities specified in Section 15 (zg) of Solid Waste Management Rules 2016 and as per the indicative table below for bringing behaviour change with various stakeholders in waste management like waste recyclers, waste pickers, waste generators, waste processors etc.
- k) All IEC activities along with type and number of activities shall be planned mutually between ANN and the Bidder. All material and manpower required of successful IEC shall be arranged and paid by the Bidder. The Bidder shall be allowed to sublet the IEC activities to specialized agencies/NGOs. 2% of monthly bill be kept in the escrow account for IEC activities, which will be spent by the Bidder in consultation with the Authority. In case the Bidder hires agency other than itself then that agency must possess at least following credentials in activities.
- l) Successful Bidder will conduct a survey and submit a list of all the domestic waste generating units (Non-Bulk) for the approval from Agra Municipal Corporation.
- m) Community awareness building for behaviour change and Information Education Communication (IEC) Programs related to solid waste management, sanitation, health and hygiene, economic and social well-being of rag pickers, sanitary workers, vulnerable groups etc. livelihood, composting etc.
- n) Capacity building of local groups on livelihood, social safeguard, sanitation, health and environment impact due to improper disposal and handling of solid waste.
- o) The Bidder shall impart project specific training to such hired agency prior to undertaking this assignment.
- p) Whenever services of the hired agency staff are found / noticed unsatisfactory by ANN they shall be removed/terminated by the Bidder immediately as per direction of Competent Authority.
- q) Increased knowledge of community at large about the importance of proper disposal of waste and its health, environmental and economic benefits. Production of compost from bio-degradable waste and utility items from plastic waste linked to market/other appropriate, increased livelihood opportunities for the informal waste sector.
- r) Community participation and building habit of paying user charges by enabling an environment among stakeholders to communicate the idea that sanitation is not an inherent right but a shared responsibility with a substantial role for the citizen.
- t. Bidder must ensure compliance of Solid waste Management Rules 2016 as per scope of work.

Indicative Awareness building activities for Door to Door collection

Sr. No.	Awareness Activities
1	Cleanliness Drives under Swachh Bharat Mission with or without public participation.
2	Printing of colored awareness material (A4 size) for Segregation of waste. Behavior Change regarding littering and dry waste storage.
3	Conduct demonstration drives regarding segregation & onsite wet waste processing using actual equipment's in the waste generator premises, schools, colleges and institutions premises as per generator category stated above.
4	Street shows for demonstrating the behavior change regarding segregation of waste, littering and onsite wet waste processing through short films, pamphlets distribution and wet waste equipment's.
5	Consultation meetings with CSR companies, NGOs, RWAs, elected representatives, waste recyclers and entrepreneurs engaged in waste management and manufacturers to implement the activities planned for achieving the circular economy way of waste management.
6	Awareness program for not disposing plastic and solid waste in water bodies.
7	Awareness about ban enforced by Govt. of U.P. on usage of plastic carry bag, single used disposable items made up of plastic/ thermocol.
8	Community participation and developing habit of paying user charges

Other Conditions :-

- All eco-friendly mechanical sweeping machines 6 m³ and 3 m³ to be equipped with GPS devices and both front and rear camera.
- All PPEs equipments provided to the staff should be as per BIS standards.
- The operator shall also appoint authorized person, who shall be responsible for day to day coordination with designated officials of Nagar Nigam regarding overall operations and management
- All hired vehicles must comply the PUC norms and fulfil all regulatory requirements like valid registration, insurance and PUC certificate. However, all new machines/equipment/tools which will have registration within 2020 must be BS6 compliant only.
- The operator shall ensure 100% attendance of the operator(s) and other workers (hereinafter referred to as manpower) and equipment at all the times and furnish daily performance MIS of work executed as per schedule of operation under real time monitoring framework.
- The Operator has to share a detailed operations plan for each month (Schedule plan has to be shared by the operator at the beginning of each month), for all the activities like D2D MSW Collection, Cleaning of Open Areas, Parks, and stretch of mechanical and manual sweeping.

- Battery/Ecofriendly operated Air blower to be used ahead of sweeping machines to bring the litter / leaves and dust from the pavements / all difficult to reach areas on the path of the machine for easy collection by the sweeping machines.
- The operator would use Litter Picking machine in areas as assigned by the Authority on everyday basis.
- Every cleaning worker to be equipped with Litter Picking stick for comfortable collection of bulk litter like polythene, paper etc.
- Bush and Grass Cutting at ground level and hand-held distance to be necessarily done mechanically with help of hand-held fuel operated brush cutters.
- All deployed vehicle must comply pollution mitigation measures and regulation during their operation and entire concession period.
- The collected drain silt and other waste materials from their assigned activities will be transported to designated site in consultation with Agra Nagar Nigam.
- The Operator shall ensure that the employees are in proper dress, and also ensure placement of safety devices and signage's at Project Site during the working hours, as per the specification. Every Worker, Supervisor and Manager to be equipped at all times during working hours: Safety. Caps / Helmets, Nose Mask, Rain Coats, Gloves, Radium Jackets, Safety Boots.
- All PPE equipments provided to the staff should be as per BIS standards.
- The Operator shall deploy adequate number of waste transportation vehicles ensuring that all collected litter and debris is transferred to the allocated waste disposal site without any spillages (usage of covered waste transportation vehicles).All vehicles to be used for transportation should be under permissible pollution norms with valid registration and Insurance. The Operator has to co-ordinate with existing door to door collection agencies/ ULB for co-ordinated litter collection plan. The concerned ULB/ Municipal Corporation to facilitate the same.
- Operator to provide complete list with break-up of transportation vehicles, tools, consumables and manpower for 5 years operation.
- All the vehicles operated by the operator should be in complete compliance to Motor Vehicle Act / Amendment Sept 2019.
- All the vehicles operated by the operator should be in complete compliance to safety including Beacon lights, reverse alarm and other safety devices as per specification to be fitted on all vehicles and machines.
- All vehicles and other ancillary items of this project to meet the project objectives must be good in quality and the cost of same will be borne by operator only.
- The Operator shall provide the communication system/ equipment including GPS system at his cost in each vehicle as well as at control room location with required network (Hardware & Software) facility so as to have effective communication between Operator and various controlling and monitoring agency. A public address system shall also be provided to enable the machine operator to guide the public as and when required during working at the Project

Site in the event of any emergency, mishap etc. Further, the proposed IT equipment can be installed at Integrated Command and Control Centre of Agra Nagar Nigam.

- The Operator shall provide Beat System for the area requiring manual sweeping which shall ensure creating of Beats for ~1 km area with sweeping area of 5000 Sq.Mts area coverage per worker. However, in any case operator must follow the street sweeping norm as stipulated in CPHEEO Manual 2016 and the same is annexed in Annexure.
- The operator must fulfil the Labour Law Act, 1988 and The Contract Labour (Regulation & Abolition) Act, and Rules, 1970 and other applicable rules during the entire concession period.
- The operator must ensure that there should not be any pollution due to their ongoing activities and they must implement the mitigation measures for particulate and gaseous pollution due to their activities. Further, it will be liability of operator to avoid any loss of material and objects due to their mishandling.
- The performance of operator will be evaluated by ULB/third party during the entire concession period in their framed IT enable indicator.
- The operator is fully liable to clean all the fixed community asset like Bench, Gazebo, and other attractive recreational items on regular interval.
- In any case ,operator is fully liable to follow all applicable Acts/rules/Guidelines and Directions of Hon'ble NGT/Supreme Court.
- The entire activities of operator must be equipped with IT enable mechanism to get monitored by ULB/third party in their prescribed format.
- The monitoring of all activities will be carried out by Sanitary Supervisors/Sanitary Inspectors/Zonal Sanitary Officer of Agra Nagar Nigam and they are fully responsible for appraisal of performance of operator on hourly basis.
- Data Collection and Computerization of all waste generators for the door to door segregated waste collection services for creation of MIS data base to be used for monitoring Key Performance Indicators and Payments:
- The services of door to door segregated waste collection requires that each user/ establishment to whom this service is extended must be documented and sensitized for better and efficient mode of segregated MSW collection at source. This requires not only enlisting of all waste generators in service area but also an effective IEC for creation of demand of services as well as capacity building of waste generators related to his role and responsibility in proper waste collection mechanism of the Municipal area. A simple form for enlisting the waste generators for this service and intimation of user charge per month will be undertaken for enrolment of each household /establishment /waste generator in the Municipal area for this service.
- It will be the responsibilities of successful bidders to prepare route plan for collection & transportation of the solid waste within UPSIDC area.
- Bidders are advised that in case an alternative routing be proposed, it does not need to be constrained by municipal boundaries. However, where possible, Bidders are to propose routes that prescribe resource efficiency (vehicle/manpower) so that the waste is collected efficiently each day.

- Bidders are advised that the Authority is interested in receiving proposals that maximize the efficiency of the deployed vehicles and manpower with utmost quality benchmark. In this regard, the Authority will accept proposals that identify co-collection opportunities.

Note : The details about Road, Household, Open Areas, Parks, is annexed as Annexure.

3. OBLIGATIONS OF THE BIDDER

3.1 General

3.1.1 Standard of Performance: The Bidder shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as faithful adviser to the “Employer”, and shall at all times support and safeguard the “Employer’s legitimate interests in any dealings with Sub-Bidders or Third Parties.

3.2 Conflict of Interests: The Bidder shall hold the “Employer’s interests paramount, without any consideration for future work, and strictly avoid conflict of interest with other assignments or their own corporate interests. If during the period of this contract, a conflict of interest arises for any reasons, the Bidder shall promptly disclose the same to the Employer and seek its instructions.

3.2.1 Bidder not to benefit from Commissions, Discounts, etc.: (a) The payment of the Bidder pursuant to Clause, shall constitute the Bidder’s only payment in connection with this Contract and, subject to Clause, the Bidder shall not accept for its own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or in the discharge of its obligations hereunder, and the Bidder shall use its best efforts to ensure that any Sub-Bidders, as well as the Personnel and agents of either of them, similarly shall not receive any such additional payment.

(b) Furthermore, if the Bidder, as part of the Services, has the responsibility of advising the “Employer” on the procurement of goods, works or services, the Bidder shall comply with the Employer’s applicable procurement guidelines, and shall at all times exercise such responsibility in the best interest of the “Employer”. Any discounts or commissions obtained by the Bidder in the exercise of such procurement responsibility shall be for the account of the “Employer”.

3.2.2 Bidder and Affiliates Not to Engage in Certain Activities: The Bidder agrees that, during the term of this Contract and after its termination, the Bidder and any entity affiliated with the Bidder, as well as any Sub-Bidders and any entity affiliated with such Sub-Bidders, shall be disqualified from providing goods, works or services (other than the job concerned) resulting from or directly related to the Bidder’s Services for the preparation or implementation of the project.

3.2.3 Prohibition of Conflicting Activities: The Bidder shall not engage, and shall cause their Personnel as well as their Sub-Bidders and their Personnel not to engage, either

directly or indirectly, in any business or professional activities that would conflict with the activities assigned to them under this Contract.

3.3 Confidentiality: Except with the prior written consent of the “Employer”, the Bidder and the Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Bidder and its Personnel make public the recommendations formulated in the course of, or as a result of, the Services.

3.4 Accounting, Inspection and Auditing: The Bidder (i) shall keep accurate and systematic accounts and records in respect of the Services hereunder, in accordance with internationally accepted accounting principles and in such form and detail as will clearly identify all relevant time changes and costs, and the bases thereof, and (ii) shall periodically permit the “Employer” or its designated representative and/or the Employer, and up to five years from expiration or termination of this Contract, to inspect the same and make copies thereof as well as to have them audited by auditors appointed by the “Employer” or the Employer, if so required by the “Employer” or the Employer as the case may be.

3.5 Reporting Obligations: The Bidder shall submit to the “Employer” the reports and documents in the specified format and within the time period decided by the Authority.

3.6 Documents Prepared by the Bidder to be the Property of the “Employer”: All plans, drawings, specifications, designs, reports, other documents and software prepared by the Bidder for the “Employer” under this Contract shall become and remain the property of the “Employer”, and the Bidder shall, not later than upon termination or expiration of this Contract, deliver all such documents to the “Employer”, together with a detailed inventory thereof. The Bidder may retain a copy of such documents, but shall not use anywhere, without taking permission, in writing, from the Employer and the Employer reserves right to grant or deny any such request. If license agreements are necessary or appropriate between the Bidder and third parties for purposes of development of any such computer programs, the Bidder shall obtain the “Employer’s prior written approval to such agreements, and the “Employer” shall be entitled at its discretion to require recovering the expenses related to the development of the program(s) concerned.

3.7 Equipment and Materials provided by the Bidders: Equipment or materials brought into the project by the Bidder and the Personnel and used either for the Project or personal use shall remain the property of the Bidder or the Personnel concerned, as applicable.

3.8 Resource Management: All arrangements like water, washing area, facility for parking (Space for parking to be provided by the ULB) and storing equipment, charging stations for charging batteries., fuel for equipment and all such resources, equipment, gadgets and tools that may be required time to time to carry on the assigned job efficiently without interruption would be under the scope of the bidder.

4. BIDDERS' PERSONNEL AND SUB-BIDDERS

4.1 General: The Bidder shall employ and provide such qualified and experienced Personnel and Sub-Bidders as are required to carry out the Services.

5. OBLIGATIONS OF THE "EMPLOYER"

5.1 Assistance and Exemptions: Unless otherwise specified in the SC, the "Employer" shall use its best efforts to ensure that the Government shall:

(a) Provide the Bidder, Sub-Bidders and Personnel with work permits and such other documents as shall be necessary to enable the Bidder, Sub-Bidders or Personnel to perform the Services.

(b) Arrange for the Foreign Personnel to be provided promptly with all necessary entry and exit visas, residence permits, exchange permits and any other documents required for their stay in India.

(c) Issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services. (d) Provide to the Bidder, Sub-Bidders and Personnel any such other assistance as may be specified in the SC.

5.2 Change in the Applicable Law Related to Taxes and Duties: If, after the date of this Contract, there is any change in the Applicable Laws of India with respect to taxes and duties, which are directly payable by the bidder for providing the services i.e. service tax or any such applicable tax from time to time, which increases or decreases the cost incurred by the Bidder in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties hereto, and corresponding adjustments shall be made to the ceiling amounts specified in Clause GC 6.1.

5.3 Payment: In consideration of the Services performed by the Bidder under this Contract, the "Employer" shall make to the Bidder such payments.

5.4 Counterpart Personnel: (a) If necessary, the "Employer" shall make available to the Bidder free of charge such professional and support counterpart personnel, to be nominated by the "Employer" with the Bidder's advice.

(b) Professional and support counterpart personnel, excluding "Employer's liaison personnel, shall work under the exclusive direction of the Bidder. If any member of the counterpart personnel fails to perform adequately any work assigned to such member by the Bidder that is consistent with the position occupied by such member, the Bidder may request the replacement of such member, and the "Employer" shall not unreasonably refuse to act upon such request.

6. PAYMENTS TO THE BIDDER

6.1 Total Cost of the Services (a) the total cost of the Services payable is set forth in the proposal to the Employer and as negotiated thereafter.

6.2 Currency of Payment: All payments shall be made in Indian Rupees. [In case the payment is to be made in the currency other than Indian Rupees, the same shall be mentioned instead of Indian Rupees]

6.3 Terms of Payment: The payments in respect of the Services shall be made as follows:

- (a) The bidder shall submit the invoice for payment when the payment is due as per the agreed terms. The payment shall be released as per the work-related milestones achieved.
- (b) If the deliverables submitted by the bidder are not acceptable to the Employer, reasons for such non-acceptance should be recorded in writing; the Employer shall not release the payment due to the bidder. In such case, the payment will be released to the bidder only after it re-submits the deliverable and which is accepted by the Employer.
- (c) All payments under this Contract shall be made to the accounts of the Bidder.
- (d) In case of early termination of the contract, the payment shall be made to the bidder as mentioned here with: (i) Assessment should be made about work done from the previous milestone, for which the payment is made or to be made till the date of the termination. Based on such details, a reasonable assessment of the reimbursable and miscellaneous expenses shall be made based on details furnished by the bidder in this regard with supporting documents and based on the assessment of the work done and the respective rates as provided. Wherever such an assessment is difficult, the rates should be arrived at by calculating the amount on pro-rata basis. The total amount payable shall be the amount calculated as per the applicable tax.
- (e) Payment of monthly Invoice raised by the successful Bidder will be released at the earliest.

7. FAIRNESS AND GOOD FAITH

7.1 Good Faith: The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

7.2 Operation of the Contract: The Parties recognize that it is impractical in this Contract to provide for every contingency which may arise during the life of the Contract, and the Parties hereby agree that it is their intention that this Contract shall operate fairly as between them, and without detriment to the interest of either of them, and that, if during the term of this Contract either Party believes that this Contract is operating unfairly, the Parties will use their best efforts to agree on such action as may be necessary to remove the cause or causes of such unfairness, but no failure to agree on any action pursuant to this Clause shall give rise to a dispute subject to arbitration in accordance with Clause.

8. SETTLEMENT OF DISPUTES

8.1 Any disputes and or difference relating to this agreement or claims arising out of or relating to this agreement or breach, termination or the invalidity thereof or on any issue whether arising during the progress of the services or after the completion or abandonment thereof or any matter directly or indirectly connected with this agreement will be resolved through joint discussion of the authorized representatives of both the parties (the Authority and Bidder). If the dispute is not resolved by joint discussion, then the matter will be referred for adjudication to a Tribunal of Arbitrator (3 Members (one appointed by each party and third appointed by the said appointed arbitrator on receipt of written notice / demand of appointment of Arbitrator from either party.

8.2 The award of the sole Arbitrator shall be final and binding on all the parties. The cost of Arbitration shall be borne by the respective parties equally. Arbitration proceedings will be held at premises of the Authority, only.

8.3. Rules governing Arbitration Proceedings: The Arbitration Proceedings shall be governed by Indian Arbitration and Conciliation Act 1996, as amended from time to time including provisions in force at the time the references made.

9. Liquidated Damages

9.1 The parties hereby agree that due to negligence of act of any party, if the other party suffers losses, damages the quantification of which may be difficult, and hence the amount specified hereunder shall be construed as reasonable estimate of the damages and both the parties agree to pay such liquidated damages, as defined hereunder as per the provisions of this Contract.

9.2 The amount of liquidated damages under this Contract shall not exceed 10% of the total value of the contract.

9.3 The liquidated damages shall be applicable under following circumstances:

- (a) If the deliverables are not submitted as per schedule, the Bidder shall be liable to pay 0.1% of the monthly cost of the services for delay of per day or part thereof upto a maximum limit of 10% of the total contract value.
- (b) If the deliverables are not acceptable to the Employer, and defects are not rectified to the satisfaction of the Employer within 30 days of the receipt of the notice, the Bidder shall be liable for Liquidated Damages for an amount equal to 0.5 % of total cost of the services for every week or part thereof for the delay.

10. Miscellaneous provisions:

- (i) "Nothing contained in this Contract shall be construed as establishing or creating between the Parties, a relationship of master and servant or principal and agent.

- (ii) Any failure or delay on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- (iii) The Bidder shall notify the Employer of any material change in their status, in particular, where such change would impact on performance of obligations under this Contract.
- (iv) Each constituent of the Bidder, in case of a consortium/JV, shall be jointly and severally liable to and responsible for all obligations towards the Employer for performance of works/services including that of its Associates/Sub Contractors under the Contract.
- (v) The Bidder shall at all times indemnify and keep indemnified the Employer against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under the Project.
- (vi) The Bidder shall at all times indemnify and keep indemnified the Employer against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its (the Bidder's) employees or agents or by any other third Party resulting from or by any action, omission or operation conducted by or on behalf of the Bidder.
- (vii) The Bidder shall at all times indemnify and keep indemnified the Employer against any and all claims by Employees, Workman, Contractors, sub-contractors, suppliers, agent(s), employed engaged or otherwise working for the Bidder, in respect of wages, salaries, remuneration, compensation or the like.
- (viii) All claims regarding indemnity shall survive the termination or expiry of the Contract.
- (ix) It is acknowledged and agreed by all Parties that there is no representation of any type, implied or otherwise, of any absorption, regularization, continued engagement or concession or preference for employment of persons engaged by the Bidder for any engagement, service or employment in any capacity in any office or establishment of the Government of India/ State or the Employer.
- (x) The performance of the operators based on the service level benchmarks indicated in the guidelines issued by Ministry of Housing and Urban Development, or any assessments from time to time and also placed in the draft Concession Agreement.

11. Performance Security

Submission of PBG through BG/FDR deposit. There is 10% performance guarantee of the annual project value and shall be deposited in the form of BG/FDR in Nationalized /Scheduled bank of India in favour of the ,Commissioner, Municipal Corporation, Agra.

12. Non-Compliance Penalties

The following penalties shall be imposed by Authority on the successful Bidder.

S.No.	Description	Penalty
20.	The operator fails to deploy the assets in 45 days from the date of receiving the LoA penalty	₹5,000/- per day / per Sweeping Machine / Litter Picking machine / High Pressure Washing Van / transportation vehicles ₹500/= per day for non-deployment of Air Blower, fuel operated brush cutter and Rag Picker Stick. ₹500/- per day per worker for non-deployment of designated manpower Penalty shall be imposed from the date of commencement of the work. In the event of non-deployment of complete Assets in 90 days the contract would stand null and void.
21.	The Operator fails to undertake the mechanical sweeping on any day(s), on a particular road/ road(s) in the Project Site area and provided that such failure is not caused due to the events beyond Operator's control	₹10,000 per day for the period where till such event is rectified and the mechanical sweeping resumes as per the Management Contract
22.	The Operator fails to ensure that the water nozzle fitted in the mechanical sweepers remains operational at all working time and there is no dust-cloud formation during the sweeping of the road(s).	₹100/- per day per incident
23.	The Operator shall also be responsible for external cleaning of all bell mouths and gully grating(s) (irrespective of their numbers), in the jurisdiction, to ensure smooth flow of storm water, throughout the year. The Operator shall ensure that none of the workman put/ pushes the littering materials/ slit in front/ inside the bell mouth(s). Penalty to be imposed in case of such defaults.	₹50/- per bell mouth per default
24.	The Operator fails to ensure that the employees are in proper dress, and also ensure placement of safety devices and signage at Project Site during the working hours, as per the specification. Every Worker, Supervisor and Manager to be equipped at all times during working hours: Safety. Caps / Helmets, Nose Mask, Rain Coats, Gloves, Radium Jackets, Safety	₹500/- per day per default per person.

S.No.	Description	Penalty
	Boots.	
25.	The collected rubbish shall be disposed off by the Operator (all lifts/ leads), at a designated site approved by Authority by deploying equipment of suitable capacity. In case the Operator is found dumping the collected rubbish at a place other than as mentioned in this clause then fine shall be imposed on the operator.	₹1000/- per default
26.	failure in conducting preventive maintenance of all the equipment on daily basis by the Operator. Operator needs to maintain repair and maintenance logs/dashboard for verification.	₹1000/- per day
27.	The Operator shall ensure not to cause damages to the vehicles of third party and physical loss due to negligent and rash driving. If due to negligent and rash driving any damage is caused to the third party then the Operator shall bear the cost of repairs along with the insurance vendor.	As per actual
28.	If any of the employee of Operator is found not keeping valid driving license and if the mobiles provided (for monitoring of activities and smart ICT application for tracking the machine movement) to supervisor/ manager/ operator are not being used during working hours then the Operator shall be liable to pay a penalty	₹500/- per day per default.
29.	If operator is not able to execute their work for more than 24 hours (Except natural hindrance such as heavy rainfall, natural and anthropogenic disaster) due to any reason then operator is fully liable to pay a penalty	50,000/- Per day default
30.	If any of activities of operator is imposing violation of applicable rules and regulation like (Environmental Protection Act, 1986, Motor Vehicles (Amendment) Act 2019, and Heritage and Public liability Rules and Regulation then operator is fully liable to pay a penalty	As Actual imposed/INR 25,000/- Per default.
31.	If any defect is carrying out the work by the Operator has been noticed by Sanitary Inspector in Charge then a joint inspection shall be carried out with the representative of Operator and the SI in-charge and all the defaults to be rectified shall be brought to the notice of Operator. The Sanitary Inspector In Charge shall give minimum 24 hours to rectify the defects and if pursuant to the same, the Operator fails to rectify the error within the stipulated time period then the above	As per relevant clauses

S.No.	Description	Penalty
	mentioned penalties shall be levied on the Operator.	
32.	No penalty shall be levied on the Operator if the mechanical sweeping is not possible at any of the road due to defective structure of roads. The Operator shall carry out the sweeping manually and get the roads cleaned.	NA
33.	No penalty shall be levied on the Operator if due to heavy rainfall there is water logging on the roads or if any dharnas / strike being carried out by the public on the stipulated roads.	NA
34.	No penalty shall be levied on the Operator if due to persistent rainfall, the working schedule of the machine is disrupted. In such cases, the Operator will make its best efforts to compensate by arranging for the machine to be operated on an alternative day. The revision in schedule will only be possible following a mutual understanding between the Operator and the Authority.	NA
35.	Delay in Mobilization of manpower resource and primary waste collection vehicles for Door to Door Waste Collection	25,000/- Per Day
36.	Non performance of Waste Collection from more than two days in any case	10,000/- Per Day
37.	After observation of littering cluster in open areas/parks for more than 2 days	20,000/- Per Incident
38.	Non performance of activities as per contract agreement for a day	1.5 times of calculated per day contracted amount on daily basis

Note: Additional Penalties pertaining to adherence to Service level Benchmarks are as per defined in this document.

13. Service Level Benchmark for Mechanical, Manual Sweeping of Roads & Cleaning services in selected Wards of Urban Local Body of Uttar Pradesh

S.No.	Key Performance Indicators	Measurable pointers	Maximum Marks	Remarks
1	Mechanised Cleaning (400 marks)			
A	Litter free and Dust Free Mechanized Sweeping using least water and Effective Filtration System (PM ₁₀ compliance).	No litter or slurry to be left behind after the sweeping pass. No dust clouds to generate while sweeping,	150	Air filtration system maintenance and replacement details in the monthly MIS – 5 marks deduction per event in an evaluation period (month) of late replacement

S.No.	Key Performance Indicators	Measurable pointers	Maximum Marks	Remarks
				<p>AQI level measurement report immediately before and after sweeping – 5 marks deduction for no change/increase per event during an evaluation period (monthly)</p> <p>Less than 99% reduction of litter/debris per kilometre stretch deduction of 5 marks per event. (To be measured based on inspection at any time during an evaluation period -month)</p>
B	Mechanized Sweeping : Control-Emissions: All Machines and Vehicles.	All emission standards as per BS VI norms at all times.	50	Full mark deduction for the evaluation period (monthly) if any non-compliance observed at any time.
C	Mechanized Sweeping : Disposal of collected Debris.	Dumping of collected debris should be in collection vehicle directly and sweeping machine not to travel to dumping site for disposal. All transportation of litter to be done in covered vehicles only with no spillages.	50	5 points deduction per non-compliance event per evaluation cycle month
D	Mechanized Cleaning: All safety features should be activated at all operation time	100% of vehicle safety features enabled at all times (Indicators, lights, Beacon Light, Reverse alarm, seatbelt, Fog light etc.)	50	5 points deduction per non-compliance event per evaluation cycle month
E	Mechanized Cleaning: Complete deployment and Utilization of all equipment and accessories as per Tender requirement.	Deployed equipment along with all accessories to be used at all times.	50	4 marks deduction per non-compliance event per evaluation cycle month
F	Vehicle Downtime	Vehicle not operational and road sweeping getting effected	50	10 marks deduction for unavailability of vehicle per instance per day.

S.No.	Key Performance Indicators	Measurable pointers	Maximum Marks	Remarks
		because of unavailability of vehicle.		
2	Manual sweeping (300 marks)			
A	Debris and Litter	99% reduction in debris and litter immediately after a sweep cycle	75	Less than 99% deduction of litter/debris per kilometre stretch deduction of 10 marks. (To be measured based on inspection at any time during an evaluation period -month)
B	Equipment utilization (All safety and technical equipment)	All listed equipment as per RFP to be used at all times (as per requirement)	75	5 marks deduction per non-compliance event per evaluation cycle month
C	Disposal of waste and zero spillage	All disposal of collected debris should done at the designated areas only, ensuring zero spillage.	25	2 marks deduction per non-compliance event per evaluation cycle month
D	Staff attendance	ICT based attendance monitoring of staff	50	5 marks deduction per non-compliance event per evaluation cycle month
E	Equal wages to all the employees at same designation irrespective of gender	Payslip details to be updated in the ICT dashboard and maintained latest at all times	50	5 marks deduction per non-compliance event (per staff) per evaluation cycle month
F	Gender diversity of staff (inclusion of women)	Staff roster/register to be available in the ICT dashboard with photo and biometrics stored in the system	25	2 marks deduction per non-compliance event (per staff) per evaluation cycle month
3	Tracking and Monitoring (200 Marks)			
A	Real-time dashboard established and monitor regularly with ULB and Directorate level monitoring	Dashboard operational 24*7 (365 days a year)	70	5 point deduction per event of non-compliance in the evaluation cycle
B	Mechanized Sweeping: GPS and camera (front and reverse) activated at all times	Access to camera feed from sweeping trucks available at real-time during operation of mechanical sweeping	30	2 point deduction per event of non-compliance in the evaluation cycle.
C	Automated bill generation system regularly used for	ICT based bill and MIS report generation system for the entire	50	Full marks deducted on non-compliance per evaluation cycle

S.No.	Key Performance Indicators	Measurable pointers	Maximum Marks	Remarks
	raising invoices	project		
D	All vehicles and manual sweepers tracked at all times through ICT based tools	All vehicles and staff visible in the system at all times (during operation)	50	2 point deduction per event of non-compliance per evaluation cycle
4	Grievance redressal and Feedback (100 Marks)			
A	Complaints addressed in given performance period (total complaints)	Percentage of complaints resolved in the given time period	50	5 point deduction on every 2% shortfall (complaint resolved/complaint received)
B	Complaints addressed through social media platforms	Percentage of complaints resolved in the given time period (Complaints received through social media)	25	4 point deduction on every 2% shortfall (complaint resolved/complaint received)
C	Regular feedback taken on performance from citizens	Percentage of feedback against total complaints received in the given time period	25	1 point deduction on every 2% shortfall (complaint resolved/complaint received)
Total Marks			1000	

SLB Penalties pursuant to shortfall of marks against total marks

S.No	Marks obtained range	Total marks	Deduction of payment if instance reported in 1 evaluation cycle month	Deduction of payment if instance reported in continuous 2 evaluation cycle month (deduction from both month bill from 2 nd and 3 rd subsequent month bill, if required)	Deduction of payment if instance reported in continuous 3 evaluation cycle month (deduction from all three-month bill from 3 rd and 4 th month bill, if required)
1	900-1000	1000	0%	0%	0%
2	800-899	1000	0%	2.5%	5%
3	600-799	1000	2.5%	5%	7.5%
4	500-599	1000	5%	7.5%	10%
5	300-499	1000	10%	15%	Contract review for termination
6	200-399	1000	20%	Contract review for termination	Contract review for termination
7	0-199	1000	Contract review for termination	Contract review for termination	Contract review for termination

Note: First 6 months to be considered as cooling period hence Service level benchmarks penalties will not be applicable in the first 6 months.

**Subject to discretion of the Authority based on recurrence of instance (occasional, repeated, often).*

14. Obligations

14.1 Authority/Concerned ULB's Obligation

- (i) Handed over to the Operator through respective ULBs the physical possession of the Project Site only for cleaning of road as per the scope of this Contract, for the period co-terminus to the Contract Period (the exact road details laid down in Schedule - I) free from Encumbrances. If Authority/ULB concerned due to activities such as (i.e. development / permanent closure / construction / re-carpeting / demolition drives / dharnas etc.) is not able to provide the possession of earmarked roads to the Operator (also at any time during the Contract Period) for mechanical and manual sweeping for a maximum period of 7 (seven) days, Authority/Concerned ULB shall allocate alternative roads of similar or greater length within the radius of 10 km of all such roads which have become inaccessible for sweeping. However, if under any circumstances, Authority/Concerned ULB is not able to provide such road(s) or any other alternative road within the stipulated time period then Authority shall be liable to pay 75% (seventy five) of the applicable Contract Fee for that duration and length of the road to the Operator till the roads are made available to the Operator;
- (ii) Handed over the physical possession of Control Centre and paved space (site) for workshop, washing bay, parking, administrative office, store, canteen etc. to the Operator;
- (iii) Constituted and appointed the Steering Group, within a period of 15 (fifteen) days from the date of this Contract in accordance with the terms hereof; (1 member from the bidders side may be incorporated in the steering group who is an on-roll employee of the agency);
- (iv) Ensure to make payment to the operator within 30 days of invoice raised
- (v) Authority/Concerned ULB is vested with the rights as overseer and the title of interest, ownership and rights with regard to the Project Site shall vest with Authority except that these will be cleaned by the Operator as per the provisions of this Contract;
- (vi) Any liability, arising out of providing the Project Site free of encumbrances, unless expressly provided for in this Management Contract, shall be borne solely by Authority. Authority shall indemnify the Operator and shall hold it harmless from any claim or consequential cost that may arise as a result of

- any such terminations;
- (vii) Upon request from the Operator, Authority shall provide reasonable assistance and facilitation in procuring clearances/approvals which are necessary for the implementation of the Project and which are in its authority to grant or cause to be granted subject to the Operator complying with the eligibility criteria for the grant of such clearances. However, notwithstanding the contents of any other provision of this Management Contract, the end responsibility for obtaining all such approvals/clearances whether from any Department or any other authorised agency/Government of India or any other statutory body shall be that of the Operator;
 - (viii) Authority would ensure that from the Compliance Date and till the completion of the Contract Period, the Operator has access to the Project Site for the purpose of carrying out the Operator's obligations under this Management Contract;
 - (ix) Authority shall Endeavour to provide electricity connection to the Operator at the cost of Operator. The Operator shall have to apply for an electric connection and commercial charges shall apply on electric consumption.
 - (x) Authority will provide electricity connection upto the site of Workshop/Parking, if the same is not available. The Operator shall have to apply for an electric connection and commercial charges shall apply on electric consumption to be borne by the operator.
 - (xi) Authority/Concerned ULB shall provide water connection to the Operator and charges shall be paid by the Operator with respect to the use of water for the purposes related to the Project. However, if at any time due to some unavoidable circumstances the release of regular water is not possible, the Operator shall be required to make its own arrangement at its own cost;
 - (xii) Authority/Concerned ULB shall ensure that the conditions of roads, footpath, paver blocks, drains, channels etc. are in good condition, has been constructed appropriately and are conducive to mechanical sweeping. If due to any defect in construction/blockage of drains etc. the Mechanical Sweepers are not able to clean the road/carriageway then the Operator shall not be held responsible. In such situations, the Operator shall manually get the said area cleaned and full payment (with respect to the mechanical sweeping) shall be made to the Operator.
 - (xiii) Authority has the right to take over the Project if the Operator defaults in fulfilling any of its obligations, rights and responsibilities detailed under this Management Contract including the right to complete the Project directly or

indirectly by selecting another Operator in the event of default by the Operator;

- (xiv) Authority shall recognize and undertake not to, in any manner, violate or cause breach of the terms of this Management Contract.

14.2 Contractor's Obligation

- (i) Made arrangements for financing the Project and executed the Financing Documents and delivered to the Authority notarized true copies thereof along with soft copies;
- (ii) Submitted to the Authority, a programme supported with Bar chart for purchase/arrangement of new sweeping machines(s)/ Litter Picker(s) /High Pressure washing van (s) / vehicle(s) fitted with GPS / wireless / mobile phone system of required technical specifications and standards;
- (iii) Provided an undertaking that all of the Representations and Warranties of the Operator are true and correct as on the date of this Contract and as on the Compliance Date and thereafter.
- (iv) Take over the possession of the Project Site from the Authority/Concerned ULB, provided it is being delivered in accordance with the provisions of Article and safeguard and use the Project Site solely for the purpose of discharging its obligations under this Management Contract.
- (v) Comply and observe at all times with all Applicable Permits, approvals, Applicable Laws, all central / state government / semi-government / local body's rules and regulations applicable to rendering of such services and in the performance of its obligations under this Management Contract and also, complying with all the inter disciplinary measures as followed by the Authority.
- (vi) Ensure to be fully conversant with all the laws applicable to the work under the Management Contract.
- (vii) Obtain any and all permits, necessary approvals, clearances and sanctions from the Competent Authority (ies), for necessary facilities like power, fire-fighting, telecommunications, etc. as and when required, for the Operator and its employees to perform their obligations under this Management Contract, at its own cost.

- (viii) Make own arrangements to obtain the import licenses, if required for the import of machines and equipment at the Project Site, as required for this Project.
- (ix) Ensure to get all the machines/vehicles registered under the competent Authority who are recognized for such registrations.
- (x) Ensure that the services supplied conform to the standards of the technical specifications and where no applicable standard is mentioned, the standards shall be equivalent or superior to the official standard whose application is appropriate to the country of origin of the goods and suitable to Indian (BIS/MoEF/RTO/ISI) whether conditions and usage.
- (xi) Ensure not to reassign the work under the Management Contract to any other third party without prior written approval of Authority.
- (xii) At all times, to afford access to the Project Site to the authorized representatives of Authority, senior lenders, other persons duly authorized by any Governmental Agency having jurisdiction over the Project, to inspect the Project and to investigate any matter within their authority and upon reasonable notice.
- (xiii) Ensure not to pose any problem/nuisance to the general public. The Operator shall be solely responsible for the behaviours and honesty of its workforce.
- (xiv) Ensure not to dump or dispose of litter waste, garbage, or recyclables waste on any street, alley or other publicly owned property unless expressly authorized by Authority/Concerned ULB.
- (xv) In the event of any accident/damage to third party by any of the vehicle/equipment of the Operator, Authority/Concerned ULB shall be completely free from any liability of any nature occurred on account of the accident. The Operator shall be fully and exclusively responsible for the liabilities arising on account of accident and damage to the vehicle, manpower or to the third party. The Operator shall be fully and solely responsible for any death or bodily injury to his staff member or any other person in the employment of the Operator or to any other person during the performance of the contractual services. This includes any third party claims.

- (xvi) Solely responsible for any consequences under various laws, arising out of any accident caused by vehicles, equipment's or his employees to the property or personnel of Authority/Concerned ULB
- (xvii) Make efforts to maintain harmony and good industrial relation among the personnel employed in connection with the performance of the Operators obligations under this Management Contract and shall be solely responsible for compliance with all labour laws and shall be solely liable for all possible claims from any third party and employment related liabilities of its staff employed in relation with the Project and hereby indemnifies Authority/Concerned ULB against any accident claims, damages, expenses or losses in this regard and that in no case and shall for no purpose shall Authority/Concerned ULB treated as employer in this regard.
- (xviii) Neither place or create nor permit any other person claiming through or under the Operator to create or place any Encumbrance over all or any part of the Project Site or on any rights of the Operator therein, save and except as expressly set forth in this Management Contract.
- (xix) Shall be responsible for safety, soundness and durability of the Project structure built on the site for workshop, washing bay, parking, administrative office, store, canteen, including all structures forming part thereof and their compliance with the Specifications and Standards.
- (xx) In case of loss due to theft or damage to the Project Facility, due to the negligence of the Operator, the Operator shall be responsible for making good the same immediately at its own cost and shall continue to keep them available for public use, at all times, within the Contract Period.
- (xxi) To pay at its own cost all applicable existing taxes / charges / fees including service tax, stamp duty, registration charges and any other related legal documentation charges, if any, in respect of the said Project, as liveable on the date of submission of Commercial Proposal. However, for any future taxes/charges/levies/ fees, Authority shall reimburse the same to the Operator.
- (xxii) Shall ensure that the operation, maintenance and management of the Project Site provided therein are both in conformity with the relevant norms and Maintenance Manual, prepared in accordance to this Management Contract.

- (xxiii) Shall have the right to get the name of the Company published on the Mechanical Sweepers and all other equipment's as brought in by the Operator for the said Project.
- (xxiv) Advertisement Rights: The Operator shall have the advertisement rights, subject to the fulfilment of related applicable laws of. However, with respect to the revenue generating from the advertisements, the Operator shall be liable to share 25% (twenty five percent) of the revenue with Authority. The operator should provide monthly reports for the same to the 3rd Party responsible for monitoring and control.
- (xxv) Carry out its duties in regard to the Project in accordance with the provisions of the Management Contract and the Schedules thereof.
- (xxvi) On expiry of the Contract Period, within a maximum period of 30 (thirty) days, to leave the entire Project Site in a clean and safe condition to the satisfaction of Authority/Concerned ULB. However, all the machines/vehicles, super structure created and any other assets as brought in by the Operator shall be taken away by the Operator.
- (xxvii) Shall be solely and primarily responsible to Authority for observance of all the provisions of this Management Contract on behalf of its employees and representatives.
- (xxviii) Shall be liable for and shall indemnify, protect, defend and hold harmless Authority/Concerned ULB, Authority/Concerned ULB's officers, employees, etc. from and against any and all demands, claims, suits and causes of action and any and all liability, costs, expenses, settlements and judgments arising out of the failure of the Operator to discharge its obligations under this article / Management Contract and to comply with the provisions of Applicable laws and Applicable permits.
- (xxix) The Operator shall acknowledge and recognize that time is of the essence of this Management Contract and that the performance of its obligations shall be construed accordingly.
- (xxx) Hand back the Project Site to Authority/Concerned ULB, at the end of the Contract Period.

15. Environmental Compliance

15.1 The Contractor shall, at all times, ensure his operations and services are conforming to the laws pertaining to environment, health and safety aspect including Solid Waste Management Rules, 2016, policies and guidelines related thereto.

16. Sale/ disposal of Recyclable Waste

16.1 The contractor shall not sell or otherwise dispose of recyclable waste, recovered from the jurisdiction of Concerned ULB.

16.2 No waste should be sorted at the generation, collection or at storage points.

16.3 Non-compliance on the above lead to be penal actions to an extent of termination.

17. Insurance

17.1 The Contractor shall insure his workmen, equipment, vehicles etc. No additional burden should fall on the Authority/Concerned ULB due to absence of insurance.

17.2 The Contractor shall take out all necessary insurance against theft, dacoit, fire or other contingencies for infrastructures being developed/ arranged/ deployed/ taken from the authority/Concerned ULB in his possession under this contract. The Authority/Concerned ULB shall not be responsible for any type of liability in this regard.

18. Accidents

18.1 It shall be the Contractor's responsibility to protect to workmen, materials, equipment, vehicles and other immovable property in possession against accidents.

18.2 The Contractor shall be solely responsible for any death or body injury to his staff member or any of the people/person in the employment of the Contractor. This includes any third party claims.

18.3 On the occurrence of an accident, arising out of works, which results in death or which is so serious as to be likely to result in death, the Contractor shall within 24 hours of such accident, report in writing to the Competent Authority, the facts stating clearly and in sufficient details the circumstances of such accident and the subsequent action taken.

18.4 In the event of an accident in respect of which compensation may become payable under The Workmen's Compensation Act, (VIII of 1923) or any other act including all modifications hereof whether such compensation may become payable by the Contractor or by the Authority, the Authority shall retain whole or part of the deposit due and payable to the Contractor such sum or sums or money as may in the opinion of the Authority sufficient to meet out liability, on receipt of award from the Labor Commissioner in regards quantum of compensation the difference in amount will be adjusted.

Appendices
BANK GUARANTEE BOND FOR PERFORMANCE WARRANTY

(To be executed by the State Bank of India or any other scheduled Bank recommended by Reserve Bank of India on non-judicial stamp paper)

To

<Signing Authority>
Municipal Commissioner
Agra Nagar Nigam, Uttar Pradesh

Dear Sir/Madam,

Sub: Your Contract No. _____ dated _____
for _____

1. You, on behalf of the Authority, have entered into a contract with reference no as given above with _____ (herein after referred to as the contractor) for the development, fabrication and supply of _____ (herein after referred to as stores) for the price and on the terms and conditions contained in the said contract.
2. In accordance with the terms of said contract the contractor has undertaken to produce a bank guarantee for Rs. _____ (Rupees _____ only) being _____ % of the total value of the said stores supplied to you, for the due fulfilment of its obligations to the Authority for due performance as per the contract during warranty period.
3. In consideration thereof, we hereby expressly, irrevocably and unconditionally undertake and guarantee as principal obligors on behalf of the contractor that in the event that the Authority submits a written demand to us that the contractor has not performed according to the contractual obligations included in the said contract, we will pay you on written demand, without demur and without reference to the contractor any sum up to a maximum amount of Rs _____ (Rupees _____ only). Your demand shall be conclusive evidence to us that such repayment is due under the terms of the said contract. Payment by us to you will be made within thirty (30) days from receipt of your written request making reference to this guarantee and on demand.
4. This guarantee shall not be revoked without your express consent and shall not be affected by your granting any indulgence to the contractor, which shall include but not be limited to postponement from time to time of the exercise of any powers vested in you or any right which you may have against the contractor and to exercise the same in any manner at any time and either to forbear or to enforce any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising any of your rights with reference to matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or

thing whatsoever which under law would, but for this provision, have the effect of relieving our Bank from its obligation under this guarantee.

5. Notwithstanding anything herein contained, our liability under this guarantee is restricted to Rs _____(Rupees _____ only) and the guarantee shall remain in force up to and including the _____ day of being reported to us by you and returned to us duly discharged.
6. Unless a demand or claim under this guarantee is made on us in writing on or before the aforesaid expiry date as provided above or unless this guarantee is extended by us all your rights under this guarantee shall be proscribed and we shall be discharge from the liabilities hereunder.
7. This guarantee shall not be affected by any change in the constitution of our Bank or of the contractor or for any other reason whatsoever.

Date:

Sd.....

Place:

Bankers

Seal of the Bank

Witness:

1.

2.

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Annexure- A
Technical Speciation

Diesel Operated Self-Propelled Sweeping Machine - 6 m ³ Capacity		
A	EQUIPMENT	
1	Should be capable of sweeping at least 80 kms road in 12 working hours.	
2	Dry dust free sweeping and effective collection of litter, debris and dust.	
3	Machine should have 2 large Dia side brushes and main broom along with 3rd brush in front capable of an outreach both right and left sides of the machine.	
4	4- Wheel Steering with minimum turning radius less than 5 mts.	
5	Should be able to dump the collected debris into collection Bin / dumber / truck directly without travelling to the dump yard.	
6	Powerful 4 Cylinder Engine BS 6 Compliant	
7	Conveyor belt for transportation of Debris to machine hopper and effective vacuum suction.	
B	TECHNICAL SPECIFICATION	
1	Sweeper Type. (All brushes as standard accessory)	Compact heavy-duty sweeper with centre broom and two side brushes and front extendable brush.
2	Minimum Sweeping width	3500mm
3	Minimum Area Coverage	30000 sq.m/hr
4	Container Volume	Minimum 6 m ³
5	Container Construction Material	SS
6	Dust Control	By water sprinkling nozzles

		on the side brushes.
7	Water Tank	Minimum 400 Lts.
8	Environment	BS VI or as per latest government guidelines .PM 10 Compliant certified by manufacturer and Authorized International certifying organization.
9	Sweeping Speed & Travelling Speed. (Min)	8-10 Kms / Hr and 40 kms / Hr
10	Engine	Single Engine of atleast 150 H.P.
11	Brushes	Prefab, disposable, polypropylene /nylon with steel reversible core.
12	Cylindrical Width (Min)	1300 mm
13	Brush Dia (Min)	630 mm
14	Working width with 2 Side Brush (Min)	2600 mm
15	Hopper Dumping to be provided with the equipment	Over 2.2 Mts height for dumping directly into the storage bin or dumper.
16	Wander Hose	Minimum 4 Mts long and 125 mm Dia to reach inaccessible areas.
17	Hydraulic System & Control	All controls for sweeping and traction should be hydraulic.

18	Washing System	Machine should be equipped with washing spray gun extendable up to 10 Mts.
19	Turning Radius	Not exceeding 5 Mts
20	Max Fuel Consumption	9 Lts / Hr
21	Max Noise Level	110 Decibels
C	INBUILT SAFETY FEATURES	
1	Should facility of Hydraulic suspension of Central Brush to easily pass through speed breakers.	
2	Horn.	
3	Front and Rear vision Camera.	
4	Reversing Alarm	
5	Buzzer.	
6	Beacon Light.	
7	Fog Lights.	

	Diesel Operated Self Propelled Sweeping Machine - 3m3 Capacity	
A	EQUIPMENT	
1	Should be capable of sweeping at least 80 kms road in 12 working hours.	
2	Dry dust free sweeping and effective collection of litter , debris and dust.	
3	Machine should have 2 large Dia side brushes and main broom along with 3rd	

	brush in front capable of an outreach both right and left sides of the machine.	
4	2-wheel drive/steering	
5	Should be able to dump the collected debris at least 1.5 Mts from the road/ground level directly into Bin / tractor trolley without travelling to the dump yard.	
6	Powerful 4 Cylinder Engine	
7	Conveyor belt for transportation of Debris to machine hopper and effective vacuum suction.	
B	TECHNICAL SPECIFICATION	
1	Sweeper Type (All brushes as standard accessory)	Compact heavy duty sweeper with centre broom and two side brushes and front extendable brush.
2	Minimum Sweeping Width	2500 mm
3	Minimum Area Coverage	20000 m ² /hr
4	Container Volume	3 m ³ .
5	Container Construction Material	SS
6	Dust Control	By water sprinkling nozzles on the side brushes.
7	Water Tank	Minimum 380 Lts.
8	Environment	BS VI or as per latest government guidelines .PM 10 Compliant certified by manufacturer and Authorized International certifying organization.
9	Sweeping Speed & Travelling Speed	8-10 Kms / Hr and 40 kms / Hr

10	Engine Rating	Single Engine of at least 75 H.P.
11	Brushes	Prefab, disposable, polypropylene /nylon with steel reversible core.
12	Cylindrical Width (Min)	1300 mm
13	Brush Dia	500 mm
14	Working width with 2 Side Brush (Min)	2000 mm
15	Hopper Dumping	Over 1.5 Mts height for dumping directly into the storage bin / tractor trolley.
16	Wander Hose	Minimum 4 Mts long and 125 mm Dia to reach inaccessible areas.
17	Hydraulic System & Control	All controls for sweeping and traction should be hydraulic.
18	Washing System	Machine should be equipped with washing spray gun extendable up to 10 Mts.
19	Turning Radius	Not exceeding 5Mts
20	Max Fuel Consumption	7 Lts / Hr
21	Noise Level (Max)	100 Decibels
C	INBUILT SAFETY FEATURES	
1	Horn.	
2	Front and Rear vision Camera.	
3	Reversing Alarm	
4	Buzzer.	

5	Beacon Light.	
6	Fog Lights.	
A	EQUIPMENT	
1	Capable of driving and operating while riding the equipment as well as walk along.	
2	Should have electric batteries with plug and charge arrangement.	
3	Should be capable of collecting debris including PET bottles and bulky material.	
4	Weight: Less than 500 Kgs.	
5	Container: Minimum 240 Lts.	
6	Opening Dia: At least 120 mm.	
7	Battery: 48 Volts Discharge to deliver performance time of at least 10-12 hours.	
8	`In-built water tank with automatic discharge.	
9	Efficient Filter ensuring dust free collection with ease to clean filters.	
B	INBUILT SAFETY FEATURES	
1	Horn	
2	Reversing Alarm	
3	Beacon Light.	
Petrol Operated Shoulder Mounted Air Blower		
1	Should have Shoulder strap, Adjustable Double harness and Hip belt for operators comfort.	
2	Engine displacement	Min 60-65 CC
3	Tank Capacity	1.5 Lts

4	Weight (without Fuel) not exceeding	11 Kgs
5	Air Velocity	Min 90m/s
6	Sound Pressure Level	Max 105 dBA
B	INBUILT SAFETY FEATURES	
1	Blower Tube adjustable	
2	Adjustable Double Harness	
2	Anti- Vibration System	
Rag Picker Stick		
Rag Picker Stick with metallic construction for collection of bulk debris without bending down and with no hand contact with the litter. Long handle.		
Strong Construction and easy to handle. With Hand grip and Lever to pick up litter with ease.		
A	Fuel Operated Heavy Duty Brush cutter for shrubs & wild grass cutting and trimming	
1	Should be hand-held for easy handling	
2	Engine	2 Stroke (Petrol)
3	Minimum Engine displacement	40 cc
4	Engine high RPM (at least)	12000
5	Minimum length without attachment	1750 mm
6	Weight not exceeding	7.5 kg
7	Displacement not less than	40 cm ²
8	Minimum Power Output	2 Kw
9	Sound pressure not exceeding	105 dBA

10	Vibration not more than	3 m/s ²
11	Minimum Tank Capacity	650 ML
B	INBUILT SAFETY FEATURES	
1	Should have Anti-vibration handle	
2	Ergonomically designed handle	
3	Auto-cut system	
A	Mobile Van with Fuel Operated High Pressure Washer with accessories.	
1	Vehicle: Suitable to accommodate Water Tank, High Pressure Washing Equipment and accessories.	
2	Water Tank: 3000 Lts or more in compact shape occupying least space and to deliver free flowing water to the equipment for fast operation	
3	Diesel Operated High Pressure washer, Water Tank and Accessories.	
4	Provision of unloading High Pressure Washer from the van with ease to carry the machine to areas where Van cannot reach.	
5	High Pressure Washer should have large wheels enabling free movement in case it is to be used in areas where van cannot reach.	
6	Internationally reputed quick start High Pressure washer of at least 200 bar working / operating pressure to quickly remove all dirt in single pass with ease.	
7	Water flow not variable 500 - 900 Lts / Hr.	
8	Motor: Minimum 5 H.P.	
9	Engine should be of high quality: European Make / EU CE certified.	
10	Accessories: All accessories to fit in the High Pressure Washer with ease through quick couplers: 1) 30 Mts High Pressure Hose, Lance, Trigger Gun and Powerful 25 Degrees nozzle.	
11	2) Robust Surface cleaner in Stainless Steel construction on castor wheels with	

	2 rotary nozzles for splash-less cleaning in sensitive areas.	
12	3) Should have attachment of 360 degrees Rotary Nozzle for powerful cleaning impact on surfaces with heavy dirt and cement accumulation.	
13	4) High Pressure Pipe Cleaning Hose of at least 20 Mts to unchoke pipes where necessary. Nozzles to fit in the Pipe cleaning hose.	
14	5) Long lance telescopic in nature extendable up to 4 mts at least to reach street furniture at height and also pavements at distance.	
B	INBUILT SAFETY FEATURES	
1	Auto Stop on release of trigger gun.	
2	Locking of the Trigger gun to avoid accidents	
3	Angled lance of at least 800 mm with protection	
4	Shoulder mounting for long lance.	
Brooms		
1	Length of the broom	80-85 cm
2	Weight of the broom Binding material	1 kg
3	Binding Material	20-gauge MS sheet ring having width of 1.5-2 cm
4	Handle of the broom	Bamboo of 135 cm length, 3-4 cm dia
5	Weight of the bamboo handle (approximately)	900 gm

As per SWM Rules, 2016 the requirement of Manpower and Infrastructure can be estimated as follows:-

a) Manpower & Infrastructure Requirement for Primary Collection

VEHICLE FOR PRIMARY COLLECTION	NUMBER OF HOUSEHOLDS TO BE COVERED IN DIFFERENT AREAS	POPULATION SERVED	STAFF REQUIRED
Push Carts	<ul style="list-style-type: none"> • Congested area: 250 - 300 • Medium Density area: 200 • Scattered Area: 125 • Hill area: 85-90 	<ul style="list-style-type: none"> • 1,250-1,500 • 1,000 • 625 • 400-450 	1 person per push cart
Tricycle	<ul style="list-style-type: none"> • Congested area: 300 • Medium Density area: 250 • Scattered Area: 200 • Hilly area: 125 	<ul style="list-style-type: none"> • 1,500 • 1,250 • 1,000 • Should be decided based on operational conditions 	1 person per tricycle
Light Commercial Vehicles (LCV) having 500 to 700 kg capacity	<ul style="list-style-type: none"> • 1,000 	<ul style="list-style-type: none"> • 5,000 	1 driver and two labour per LCV

b) Manpower Requirement for Street Sweeping

- High density roads: 1 person per 300–350 running meters of road length
- Medium density roads: 1 person per 500 running meters of road length
- Low density roads: 1 person per 750–1,000 meters of road length

CLASS	CHARACTER OF STREET	FREQUENCY OF SWEEPING
A	City centre – shopping areas	Daily or twice, depending on need
B	Market areas	Daily
C	Minor streets	Daily
D	Sub-urban shopping streets	Daily
E	Residential streets	Daily
F	Roads and streets having no households or establishments on either sides	Once a week
G	Highways	Rarely necessary to sweep highways as motor traffic creates turbulence
H	Suburban main streets	Twice a week
I	Open spaces	Occasionally, when required (minimum once in 2 weeks)

c) Manpower Requirement for Drain Cleaning

The staff requirement for drain cleaning depends on the length of drain. As a general rule, one person can clean up to 500 m of a shallow surface drain (not more than 45–60 cm) per day. This could be adjusted based on local conditions. Tools which meet proper safety standards for waste transfer, such as safety equipment and vehicles, should be given to the drain cleaners. Generally, light shovels and handcarts are required for drain cleaning. The equipment for surface drain cleaning does not differ much from the street cleaning equipment.

Penalties/ Payment linked with KPI's

Door to Door Collection & Transportation of Solid Waste

•For daily door to door collection in segregated form and transportation of SW till processing site from following performance indicators shall be used for imposing penalties as described under the Table.

S.N.	Activity	Points Assigned to Activity	Points obtained	Remarks / Corrective Action
1	Attendance of Manpower- workers, drivers, attendants etc.	10		Monthly calculation on pro-rated variance percentage
2	Supervisor – Ward wise/ Zonal supervisor	10		Monthly calculation on pro-rated variance percentage
3	Uniform to workers- Pant/ shirt/ jacket/ saree/ apron / cap/ Name plate/ Safety shoes/ hand gloves/ masks etc.	10		Monthly calculation on pro-rated variance percentage
4	Facility management/ maintenance of logbooks/ attendance registers/ stock registers of material/ tools/ protective gears.	10		Monthly calculation on pro-rated variance percentage
5	On time start of the work	10		Monthly calculation on pro-rated variance percentage
6	Door to door collection of garbage service level not more than 1% defective (Points attended / points enrolled)	40		1 point deducted for each percentage point fallout
7	Separate collection of garbage i.e. wet and dry waste separately (to be achieved and measured after 90 days)	30		Percentage scoring on pro-rated variance
8	Community bins attended not more than 1% defective (total no. of times bins service desired / no of times bins cleared)	10		1 point deducted for each percentage point fallout
9	Public grievance re-addressal system not to be pending more than 10% on weekly basis and maximum respond time should not be more than 48 hours	20		In addition to 10% fallout 1 point deducted for 4% additional fallout
10	Break down of vehicles should not be more than 5% at a time	10		1 point deducted for each 4% percentage point fallout

S.N.	Activity	Points Assigned to Activity	Points obtained	Remarks / Corrective Action
11	Sweeping around the containers / Garbage Bins as specified within 5 meters.	10		Monthly performance review by ANN
12	Functioning of Vehicle tracking system / GPS as defective not more than 1 % in total numbers	10		1 point deducted for each 4% percentage point fallout
13	IEC Campaigning and Public awareness activities to be carried out in all designated wards of the designated zone should be sensitized once 100% within 30 days of time and periodically once in a week for mass campaigning or daily awareness through the door to door collection vehicle or person deployed on vehicle.	10		Monthly calculation on pro-rated variance percentage
14	Trips reported to processing site as specified by ANN	10		Monthly calculation on pro-rated variance percentage from route plan.
	Total	200		

Bidder has to obtain minimum of 80 % points in each segment as mentioned in the above table. Any default in meeting the minimum score shall be considered to holding the 5% of payable amount presented in Monthly bill for each segment. Such deductions shall not exceed 10% of the total Monthly billing in each month. Subsequent failure in rectification of any performance indicators will incur additional penal provisions and if failure continues beyond 3 months without proper redressal by the Bidder then ANN may consider this as reason to terminate the contract without any liability.

Annexure- B

Total Project Area Detail

S NO	TYPE	AREA (Hectare)
SITE – ‘A’		
1	UNDER PLOT	6.19
2	MASTER PLAN ROAD	1.44
3	OTHER ROAD	0.89
4	PARK	0.79
	TOTAL	9.31
SITE – ‘B’		
1	TOTAL AREA OF LAND	6.04
2	INDUSTRIAL PLOTS	4.53
3	ROADS	0.83
4	PARKS	0.60
	TOTAL	12.00
SITE – ‘C’		
1	AREA OF OTHER LAND	2.66
2	INDUSTRIAL PLOTS	38.87
3	ROADS	13.15
4	PARKS	6.26
	TOTAL	60.94
SITE – ‘E.P.I.P.’		
1	INDUSTRIAL PLOTS	24.74
2	STANDARD FLATTED FACTOR	2.36
3	SOFTWARE TECHNOLOGY PARK	2.10
4	SOCIAL FACILITY SPACE	1.94
5	SUB-STATION	0.59
6	COMMERCIAL	0.48
7	PARK	2.88
8	ROAD	6.99
	TOTAL	42.08
	TOTAL = (A+B+C+D)	124.33

Annexure- C

Road Details of Total Project Area

S.No.	AREA	Width in Mtr. (Building-to- Building)	Length in KM
	SITE-A		
1	From Plot No. B-7 to Plot No. B-2, Road No-5	12.00	0.200
2	From Plot No. C-8 to Park, Road No-4	12.00	0.168
3	From Plot No. D-16 to Plot No.D-1, Road No-10	12.00	0.090
4	From Plot No. C-19 to Plot No. B-8, Road No-8	12.00	0.390
5	From Plot No. C-13 to Plot No. B-12, Road No-7	30.00	0.460
6	From Plot No. C-5 to Plot No. C-9, Road No-2	12.00	0.126
7	From Plot No. D-1 to Plot No. D-10, Road No-3	12.00	0.230
8	From Plot No. A-1 to Plot No. C-1, Road No-1	15.00	0.190
9	From Plot No. C-19 to Plot No. A-2, Road No-6	12.00	0.460
	SITE-B		
1	From Plot No. E-1 to Plot No. F-2, Road No-1	12.00	0.135
2	From Plot No. B-1 to Plot No. B-9, Road No-2	12.00	0.250
3	From Plot No. D-1 to Plot No. D-8, Road No-3	12.00	0.214
4	From Plot No. C-1 to Plot No. C-6, Road No-4	12.00	0.131
5	From Plot No. A-1 to Plot No. A-6, Road No-5	12.00	0.201
	SITE-C		
1	From Park to Plot No. D-35, Road No-13	12.00	0.068
2	Beside of Plot No. D-34, Road No-12	12.00	0.068
3	Beside of Plot No. D-27, Road No-11	12.00	0.100
4	Beside of Plot No. D20/1, Road No-10	18.00	0.092
5	From Plot No. D-20/1 to Plot No. E34, Road No-03	18.00	3.320
6	From Plot No. D-4/1 to Plot No. C15/4, Road No-09	12.00	0.144
7	From Plot No. F-65 to Plot No. F-75, Road No-14	12.00	0.165
8	From Plot No. C-11/2 to Plot No. C-10, Road No-02	30.00	0.172
9	From Plot No. C-14 to Plot No. C-7, Road No-07	12.00	0.188
10	From Plot No. D-1 to Plot No. C-1, Road No-04	18.00	0.200
11	From Plot No. E-7 to Plot No. E-9, Road No-05	12.00	0.112
12	From Plot No. F-1 to Plot No. E-10, Road No-06	12.00	0.100
13	From Plot No. E-1 to Plot No. E-10, Road No-15	18.00	0.216
14	From Plot No. E-15 to Plot No. F-19, Road No-16	12.00	0.160
15	From Plot No. F-20 to Plot No. F-32, Road No-20	12.00	0.196
16	From Plot No. E-49 to Plot No. E-35, Road No-19	12.00	0.292
17	From Plot No. E-34 to Plot No. C-39, Road No-18	12.00	0.272

S.No.	AREA	Width in Mtr. (Building-to-Building)	Length in KM
18	From Plot No. E-58 to Plot No. E-66, Road No-17	12.00	0.144
19	From Plot No. E-67 to Plot No. E-101, Road No-21	18.00	0.720
20	From Plot No. Park to Plot No. C-47, Road No-22	12.00	1.100
21	From Plot No. F-33 to Plot No. F-40, Road No-23	12.00	0.120
22	From Plot No. F-49 to Plot No. F-56, Road No-24	12.00	0.120
23	From Plot No. F-57 to Plot No. F-64, Road No-25	18.00	0.120
24	From Plot No. E-102 to Plot No. E-117, Road No-26	18.00	0.120
	SITE-E.P.I.P.		
1	From Plot No. B-49/6 to Other Land (55.0 mtr. Wide Road)	55.00	0.600
2	From Plot No. B-54/5 to Park, Road No-4	18.00	0.454
3	From Plot No. B-61/2 to Plot No. C-13 (18.0 mtr. Wide Road)	18.00	0.120
4	From Plot No. C-125/4 to Park, Road No-5	20.00	0.300
5	From Plot No. B-62 to Plot No. C-14 (18.0 mtr. Wide Road)	18.00	0.118
6	From Plot No. C-113 to Park, Road No-6	18.00	0.292
7	From Plot No. B-75 to Plot No. A-15, Road No-7	18.00	0.532
8	From Plot No. B-49/6 to Plot No. A-29 (30.0 mtr. Wide Road)	30.00	0.794
9	From Plot No. C-1 to Plot No. C-33, Road No-3	18.00	0.600
10	From Plot No. B-47 to Plot No. B-50 (18.0 mtr. Wide Road)	18.00	0.100
11	From Plot No. C-93 to Plot No. C-112, Road No-2	18.00	0.494
12	From Plot No. B-44 to Plot No. B-43 (18.0 mtr. Wide Road)	18.00	0.100
13	From Plot No. B-1 to Plot No. B-22, Road No-1	18.00	0.600
14	From Other Land to Sub Station (18.0 mtr. Wide Road)	18.00	0.788

Annexure - I

1.List of Plot under Project Area.

S. No	Site	No. of Waste Generator (Plots)
1.	A	41
2.	B	40
3.	C	294
4.	E.P.I.P. (Export Promotion Industrial Parks)	259
5.	E.P.I.P.	Fire Station (Beside of Plot No. A-1)
6.	E.P.I.P.	S.F.S. (Beside of Plot No. B-1)
7.	E.P.I.P.	Sub Station (33KV) (Plot No. A-14 & Plot No. A-15)
8.	E.P.I.P.	Sub Station (Beside of Plot No. A-16)
9.	E.P.I.P.	S.F.S. (Near Plot No. C-13 & Plot No. C-14)
10.	E.P.I.P.	S.F.S. (Administrative Building) (Near Plot No. B-43 & Plot No. B-50)
11.	E.P.I.P.	Software Technology Park (Plot No. D-1)
12.	E.P.I.P.	Standard Flatted Factory (Plot No. D-2)
13.	E.P.I.P.	Commercial (Beside of Software Technology Park)

2.Open Field

S.No.	Area	Site
1.	Land for GMTS	C
2.	Plot Allotted UPSEB	C
3.	Red Land (Beside of Plot No. E-11 to Plot No. E-15)	C
4.	Other Land (Beside of Fire Station)	E.P.I.P.

3. PARK

S.No.	Area	Site
1.	Park (Between Road No. 7,8 & 10)	A
2.	9+Park (Between Road No. 3,&5	A
3.	Park (Between Road No. 2,3,4&5)	B
4.	Park (Between Plot No. D-34 &Plot No. D-35)	C
5.	Park (Between Plot No. D-20/1 &Plot No. D-27)	C
6.	Park (Beside of Plot Allotted UPSEB)	C
7.	Park (Between Road No. 16,17,19 & 20)	C
8.	Park (Beside of Road No. 23))	C
9.	Park (Between Road No. 25 & 26)	C
10.	Park (Beside of Plot No. B-39)	E.P.I.P.
11.	Park (Beside of Plot No. B-38)	E.P.I.P.

12.	Park (Beside of Plot No. B-32)	E.P.I.P.
13.	Park (Beside of Plot No. B-31)	E.P.I.P.
14.	Park (Beside of Plot No. B-23 & Plot No. C-66)	E.P.I.P.
15.	Park (Between of Plot No. C-63 & Plot No. C-64)	E.P.I.P.
16.	Park (Beside of Plot No. C-72 & Plot No. C-73)	E.P.I.P.
17.	Park (Beside of Plot No. C-82)	E.P.I.P.
18.	Park (Beside of Plot No. C-83)	E.P.I.P.
19.	Park (Beside of Plot No. C-92)	E.P.I.P.
20.	Park (Beside of Plot No. C-93)	E.P.I.P.
21.	Park (Beside of Plot No. C-102)	E.P.I.P.
22.	Park (Beside of Plot No. C-103)	E.P.I.P.
23.	Park (Beside of Plot No. C-112)	E.P.I.P.

Annexure – 2

Roads details for Manual sweeping and other cleaning work.

S.No.	Area
	SITE – A
1	From Plot No. B-7 to Plot No. B-2, Road No-5
2	From Plot No. C-8 to Park, Road No-4
3	From Plot No. D-16 to Plot No.D-1, Road No-10
4	From Plot No. C-19 to Plot No. B-8, Road No-8
5	From Plot No. C-13 to Plot No. B-12, Road No-7
6	From Plot No. C-5 to Plot No. C-9, Road No-2
7	From Plot No. D-1 to Plot No. D-10, Road No-3
8	From Plot No. A-1 to Plot No. C-1, Road No-1
9	From Plot No. C-19 to Plot No. A-2, Road No-6
	SITE – B
1	From Plot No. E-1 to Plot No. F-2, Road No-1
2	From Plot No. B-1 to Plot No. B-9, Road No-2
3	From Plot No. D-1 to Plot No. D-8, Road No-3
4	From Plot No. C-1 to Plot No. C-6, Road No-4
5	From Plot No. A-1 to Plot No. A-6, Road No-5
	SITE-C
1	From Park to Plot No. D-35, Road No-13
2	Beside of Plot No. D-34, Road No-12
3	Beside of Plot No. D-27, Road No-11
4	Beside of Plot No. D20/1, Road No-10
5	From Plot No. D-4/1 to Plot No. C15/4, Road No-09
6	From Plot No. F-65 to Plot No. F-75, Road No-14
7	From Plot No. C-11/2 to Plot No. C-10, Road No-02

S.No.	Area
8	From Plot No. C-14 to Plot No. C-7, Road No-07
9	From Plot No. D-1 to Plot No. C-1, Road No-04
10	From Plot No. E-7 to Plot No. E-9, Road No-05
11	From Plot No. F-1 to Plot No. E-10, Road No-06
12	From Plot No. E-1 to Plot No. E-10, Road No-15
13	From Plot No. E-15 to Plot No. F-19, Road No-16
14	From Plot No. F-20 to Plot No. F-32, Road No-20
15	From Plot No. E-49 to Plot No. E-35, Road No-19
16	From Plot No. E-34 to Plot No. C-39, Road No-18
17	From Plot No. E-58 to Plot No. E-66, Road No-17
18	From Plot No. E-67 to Plot No. E-101, Road No-21
19	From Plot No. Park to Plot No. C-47, Road No-22
20	From Plot No. F-33 to Plot No. F-40, Road No-23
21	From Plot No. F-49 to Plot No. F-56, Road No-24
22	From Plot No. F-57 to Plot No. F-64, Road No-25
23	From Plot No. E-102 to Plot No. E-117, Road No-26
	SITE - E.P.I.P.
1	From Plot No. B-54/5 to Park, Road No-4
2	From Plot No. B-61/2 to Plot No. C-13
3	From Plot No. B-62 to Plot No. C-14 (18.0 mtr. Wide Road)
4	From Plot No. B-75 to Plot No. A-15, Road No-7
5	From Plot No. B-49/6 to Plot No. A-29 (30.0 mtr. Wide Road)
6	From Plot No. C-1 to Plot No. C-33, Road No-3
7	From Plot No. B-47 to Plot No. B-50 (18.0 mtr. Wide Road)
8	From Plot No. C-93 to Plot No. C-112, Road No-2
9	From Plot No. B-44 to Plot No. B-43 (18.0 mtr. Wide Road)
10	From Plot No. B-1 to Plot No. B-22, Road No-1
11	From Other Land to Sub Station (18.0 mtr. Wide Road)

Note: These are the approximate estimates of area measurements for evaluation purpose, actual area may vary for ULB. Deployment of machines and manpower in designated areas would be done in consensus of the contractor and ULB seeing all practicalities and best output / performance. The cleaning service includes all items like drains/divider/rainy drains from wall to wall.

Roads details for Mechanical sweeping and other cleaning work

S.No.	Area
1.	From Plot No. D-20/1 to Plot No. E34, Road No-03 (18.0 mtr. Wide Road)
2.	From Plot No. B-49/6 to Other Land (55.0 mtr. Wide Road)
3.	From Plot No. B-49/6 to Plot No. A-29 (30.0 mtr. Wide Road)
4.	From Plot No. C-125/4 to Park, Road No-5 (30.0 mtr. Wide Road)