

AGREEMENT

(*On a Stamp Paper of Rs.100/-)

BETWEEN

TheBrajrajnagar Municipality **Council, Brajrajnaagr** represented by the **Executive Officer**, (herein after called the 1stParty) on the one part

AND

M/s [] (herein after called the 2nd Party which expression where admits shall include his heirs, executors, legal representatives and assignees) of the other part.

WHEREAS the 1st Party has issued orders vide letter No.[] dated [] for []Nos wards (i.e:-[], [])operation and maintenance of sanitation work of Brajrajnaagr Municipality in favour of the 2ndpary for a period of [] i.e. from []with quoted amount –i.e Rs.[] only as per file order of Administrator, Brajrajnagar Municipality for providing sanitation work in []Nos wards (i.e:- []with the following description – Daily Sweeping & Door-to-Door collectioncommercial area only cutting of bushes and cleaning of drains, collection, transportation and disposal of Waste/Solid with Segregation Waste up to the Wealth Centre designated locations of Brajrajnaagr Municipality/ Solid Waste Management site & Nigh/two time cleaning in the market area.

AND WHEREAS the definition of Sweeping & Door-to-Door collection from shops/business orgainsation cutting of bushes & cleaning of drains, collection & transportation of Waste/ Solid Waste are defined as-

2nd PARTY

1ST PARTY

The following works will be taken up by the 2nd party in all the []Nos wards (i.e:-
[]) wards of the ULB.

1. Sweeping

- a. Road sweeping of all roads, lanes of entire []Nos wards [] on daily basis.
- b. Sweeping of all market places, daily twice morning and night in selected market place as decided by the 1st party.
- c. Sweeping may also be taken up by the 2nd party in places of public use like park etc as decided by the 1st party.
- d. The 2nd party will collect all waste gathered by daily sweeping and transport the waste in a segregated manner to the Wealth Centre (MCC & MRF Complex) and including all legacy waste if any. The waste must be lifted on the same day and in no case it will be dumped in other places except MCC/MRF complex.
- e. As per NGT guideline no Burning of any kind of garbage is permitted. In case of violation to the guideline, penalty will be levied as per guidelines issued from time to time.

2. Weeding of Wild grass, Cutting/ uprooting of bush

Weeding of wild plants/ grass, cutting/uprooting of bush from the road/road side berms, conservancy of lane will be made on fortnight basis and the waste will be transported to the Wealth Centre in a segregated way on the same day. In no case the waste will be left dumped in the road side.

3. Drain Cleaning

All the drains of the ULB i.e main drain, road side drain are to be cleaned on weekly basis i.e removal of polythene, paper, foreign materials and other floating materials to avoid chocking of the drain and allow free flow of drain water . Silt

cleaning of all drain will be taken up in quarterly basis. The waste generated from the drain will be transported to the wealth centre in segregated manner. In no case it will be dumped on the drain side for more than 6 hours. The 2nd party will ensure silt cleaning of all drains before rainy reasons for free flow of rain water.

4. Cleaning of public places. Statues, smart park and cremation ground

The statues and its surrounding area, smart parks and all public places maintained by the 2nd party will be cleaned on monthly basis and on the special occasion like Independence Day/ Republic Day/ LSG day and birth/ death anniversary of leaders (as per instructions of 2nd party).

5. Use of disinfectants

Disinfection of all collection points, temporary waste dump site will be made on regular basis and drains of the lanes on fortnight/ monthly basis by using disinfectants like bleaching powder, phynol, Malarial oil, fogging machine and chemical will be supplied by the 1st party on monthly basis. The requirement will be placed to the Executive Officer and will be approved by the recommendation of a team comprised of Sanitation Expert- I, Sanitation Expert- II and Sanitary Inspector. .

Proper documentation of spreading of disinfectants will be done by the 2nd party and will be verified by the authorized officials of the 1st party. The Executive Officer may also deploy a Supervising Officer for supervision of spreading of disinfectants.

6. Door to door Collection in Market Places

Door to door collection from all business organizations, shops, street vendors will be done by the 2nd party on daily basis. The waste so collected will be transported to the Wealth Centre in a segregated manner. The waste in no case will be left dumped on the road side in market places.

7. Lifting of dead bodies of animals etc.

The dead body of dogs , cattles, other animals / birds will be lifted by the 2nd party within two hours of receipt of complain/ intimation from any quarter i.e ward officer/ general public over telephone/ app or in written.

If the 2nd party will failed to lift the dead body within 4 hours , the 1st party will take up the work and the expenditure made by the 1st party will be recovered from the bill of the 2nd party.

The 2nd party will dispose all unclaimed human dead body as and when required by the local police administration and as per their advise.

8. Engagement of Vehicle

The 2nd party will engage as many vehicle as required for execution of the work for Sl.No. 01 to 07 for transportation of waste so collected in a segregated manner to the wealth centre.

The following to be ensured for the vehicle engaged for Sanitation Work

- i. That the 2nd Party shall observe the rules and regulations of MV Act for plying of the vehicles for the purpose of sanitation work and will be liable to pay any compensation/ damage/ loss if any, occurred due to accident of the vehicles and the 1st Party i.e. Brajrajnaagr Municipality shall not be liable in any manner.
- ii. During work, any loss of Tractor/Vehicle and Labourers including drivers in accident /untoward incident happens, the 2nd party will bear all the losses. The

Municipal Authority i.e. 1st part will not be responsible for such accidents in any manner.

The Vehicles to be engaged for transportation of solid wastes must be in good running condition. The 2nd Party will submit the attested photo copy of the required documents of the vehicles such as RC book, Comprehensive insurance, Fitness, Permit, up-to-date road tax and other papers as per MV Act from the competent authorities which can be verified at any point of time by the authorized officer of 1st party.

- iii. Separate Logbook for each Tractors/vehicles engaged in the sanitation work will be maintained by the 2nd party and all the logbook should signed by the designated officials of 2nd party.
- iv. The 2nd Party shall be responsible for obtaining necessary permit comprehensive insurance policy, appropriate driving license etc. and complying with all the statutory requirement including labour laws that may be necessary in this respect, Brajrajnagar Municipality will not be responsible for any consequence out of any violation of Rules or Act by the 2nd Party.
- v. Maintenance of record: The operator shall maintain records of the quantum (in Metric Ton) of MSW and other waste collected on daily basis which can be verified by the authorized officer of the ULB as and when required.
- vi. During transportation of waste to the wealth center all vehicles should be covered and in no case the waste will be transported uncovered.
- vii. All vehicles engaged for sanitation work by the 2nd party must have GPS tracking system which will be integrated with the website/mobile of the authorized officer of 1st party

9. Deployment of Manpower

- A. The 2nd party will engaged as many manpower as required for executing the work from from SI-01 to 07 to the satisfaction of 1st party. The 2nd party will pay the employees all statutory liabilities such as ESI, PF as per Workmen's compensation Act. Etc.
- B. The person deployed by the 2nd party should be properly trained.
- C. The 2nd party will have his own Establishment to provide training.
- D. The 2nd party at their end should ensure the health and safety measures of the staffs.
- E. The 1st party if required may also conduct the health checkup of the staff deployed.
- F. The 2nd party will engage only such workers, whose antecedents and health have been verified including character.
- G. The 2nd party at all times should indemnify the contracting authority against all claims, damages or compensation under the provision of payment of wages Act:
- H. All liabilities arising out of accident or death of the personnel provided by the 2nd party while on duty shall be borne by the 2nd party.
- I. The 2nd party and its staff will take proper and reasonable precautions to prevent loss & destruction of public wealth.
- J. The worker engaged in the ULB should not work in any other offices/institutions/organization and their Aadhar Card should be linked in EPF.
- K. Aadhar Voter ID, Driving License or Ration Card of each worker shall be provided to the Municipality and all worker shall be provided ID Card by the service provider in the specific in format to be devised by the Municipality.
- L. The payment for the month will be released only after submission of EPF statement of previous month i.e EPF statement of previous month of all sanitary workers which will be enclosed in the bill for succeeding month.
- M. Work will be executed in 2 session i.e morning and night (sweeping only) in prominent places as identified Brajaraj Nagar Municipality. The timing of work will be intimated by the ULB. If change in timing of the work is required due to any reason the service provider will be intimated at least 7 days before start of the work or adopt a similar method for ensuring un-interrupted work throughout the week i.e. 365 days in a year.
- N. The 2nd party shall give indemnity to the 1st party against any claim, losses, damages concerning to works / employees during the contract period.
- O. No grievance from worker will be entertained by Brajaraj Nagar Municipality regarding delayed payment, non-deposit EPF etc. 2nd party is solely responsible to

address the issue. Any strike pertaining to sanitation work by the works will attract penalty and/or canceling of agreement.

- P. Biomatrix attendance of all sanitation workers including supervisors, drivers will be taken by the 2nd party before evening shift of work or daily basis which can be verified by the authorised officer of 1st party.
- Q. That the 2nd Party do hereby agree to pay the minimum wages, EPF and pay as prescribed by the Labour Commissioner; Odisha Deptt other charges to the labourer/ supervisor/ driver engaged by him and the 1st Party i.e. Brajrajnagar Municipality shall not be liable in any manner in this regard.
- R. The 2nd party should give sincere effort to meet any untoward situation during rainy season and other emergent situations. In this regard the 2nd party should keep a team consisting of 3-4 persons ready for any time (24x7) of exigency with pumps and generator set for dewatering water logged area.
- S. The manpower engaged by the 2nd party will not not approach the 1st party i.e Executive Officer, Brajrajnagar for any grievances like delayed payment, non-payment, timing of work, EPF, ESI or any other matter. It is the responsibility of the 2nd party to solve these at his end.

10. Grievance Redressal System

- i) A grievance redressal cell will function in the office of the 2nd party's office from 6.00 A.M to 6.00 P.M with a dedicated help line number/ Whatsapp/ Sanitation app which will also be integrated with the website of the 1st party and can be and can be monitored by the 1st party as and when required . All grievances must be cleared/ redressed within 12 hours.
- ii) The RFP in part of agreement, all clauses and conditions to be read as part of agreement.

Payment

1. The 2nd Party shall make payment to his employees/ workers as for their category and nature of work which shall not be less than the wages declared from time to time under minimum wages Act by Govt. of Odisha. Percentage of enhanced

- Labour Rate declared by Govt. of Odisha from time to time will be considered by the 1st Party for payment to the 2nd Party as per the muster roll of labours submitted by the 2nd Party including all statutory payment like EPF/ESI etc..
2. Performance guarantee of Rs. [] Rupees (only) the 2nd Party shall be retained as security deposit till closure of the contract and the penalties imposed for non-performance and any other dues lying pending with the 2nd party will be deducted from the guarantee money.
 3. That the bill of the 2nd Party shall be cleared by the 1st Party on the basis of the works undertaken only after issue of clearance certificate by the authorized officer on the body of the bill. Statutory claim and taxes, if any shall be deducted from the bill by Brajrajnagar Municipality. The 1st Party will make payment within 30 (thirty) days from the date of submission of the bill subject to availability of funds. The 2nd Party will pay the wages to the workers without waiting for release of bill by the 1st party.
 4. In case of non-performance penalties will be imposed on the 2nd party as per Annexure-I
 5. In case of revision of wages of labourers by Govt of Odisha then the differential amount of wages will be sanctioned in favour of the 2nd party and will be paid alongwith the bill alongwith all statutory amount like EPF/ESI etc.

General Term & Condition

1. It is further, agreed that, the terms '1ST PARTY' & '2ND PARTY' herein used shall unless repugnant to the context, include as well as the heirs, administrators or Assignees of the respective parts.

2. That the 2nd Party is to abide by all other terms & conditions as would be imposed by this Municipality from time to time.
3. The terms & conditions of Work Order No. [], date of commencement [] & [] form a part of the agreement.
4. The 1st Party reserves the right to cancel the agreement at any time without assigning any reason thereof in case of non-performance
5. Performance Evaluation – An evaluation committee comprising of the following members will evaluate the sanitation work atleast in every Six months by making field visit during working hours, taking public opinion on quality of Sanitation work. The committee will submit its suggestions for improvement of work to the Executive Officer, Brajrajnagar and after approval by the Council/Administrator it will be part of the agreement and the second party will implement the suggestions in execution of the work.

Evaluation team

1. Municipal Engineer
2. Sanitation Expert – I & II
3. Sanitation Inspector
4. One Ward Officer recommended by the Executive Officer.

The renewal of agreement will be considered for another term only after satisfactory completion of the work and approval of recommendation of the performance evaluation team of 1st party.

2ND PARTY

1ST PARTY

Date:

Date :

2nd PARTY

1ST PARTY

In witness where of the parties hereto signed this deed on the date of respectively mentioned under their signature.

WITNESS

1 ANNEXURE-I

1.1 Performance Penalties

The Monitoring System based on self-reporting by the Operator is proposed (refer table nos. in annexure-I). It may be noted all these self-assessment reports shall tally with GPS report (auto analyzed by the computer system) for this monitoring system to properly work. Penalty for non-conformance shall be imposed by Authority based on one or both of the following:

- (a) Complaint by 2 or more actual users, and validated by field report or GPS system;
- (b) Spot inspection and reporting by Authority officials/ appointed Project Monitoring Consultant.
- (c) The penalties imposed on the basis of above MIS reports shall over-ride the self-reporting by the Operator, notwithstanding the fact that the self-assessment may have been accepted by the authority. In addition, the Operator shall be given an opportunity of being heard. Certain Tolerance for default(s) are prescribed in the table 55. If the performance of the Operator falls below the tolerance level, the penalties are applicable on all defaults (and not just that are in excess of the tolerance limits).

Table 1: Performance Penalties as per the MIS

Default	Monitoring Mechanism (As above and Refer Table Numbers as mentioned in Annexure-I)	Penalty/ Deduction	Tolerance	Rectification
1. Deficient Service (Primary Collection)				
(a) Non-servicing of area (Market/Commercial Area in Ward)	Physical reporting by BRAJRAJNAGAR MUNICIPALITY/Project Monitoring Unit (PMU)	Rs. 5000 per day for each area not serviced	No Tolerance	Within 24 hours
(b) Non-deployment of vehicles / Auto Tippers		Rs. 3000 per day for each route for Auto Tipper	No Tolerance	Within 24 hours
(c) Late deployment of vehicles/ Auto Tipper		Rs. 250 per 2 hour of delay, subject to maximum of Rs 3000 per day	No Tolerance	Within 24 hours
(d) Provision of the Separate	Physical reporting by BRAJRAJNAGAR	Rs. 1000 per vehicle per	No Tolerance	Within next 24 hours

Compartments in Auto Tipper for Dry & Wet Waste	MUNICIPALITY/PMU	instance if provision of separate compartment is not made in auto-tippers		
(e) Provision of the Top Cover on Auto-Tippers	Physical reporting by BRAJRAJNAGAR MUNICIPALITY/PMU	Rs. 500 per vehicle per instance if provision of top cover is not made in the Auto Tipper	No Tolerance	Within next 24 hours
(f) Vehicle unloads collected waste at location other than specified spot specified for ward	GPS report (Auto Analysed for running and stoppage) or Physical reporting by BRAJRAJNAGAR MUNICIPALITY/PMU	Rs. 5000 per incident for Auto Tipper	No Tolerance	Within next schedule
2. Inadequate Implementation of Street Level Sweeping Collection of MSW				
(a) Waste collected from Ward	physical inspection	Rs. 1000/- for shortfall of per ward per day	Nc Tolerance	Within 12 hours
(b) Failure to achieve the Target Street Level Sweeping efficiency	physical reporting	0.5% of the monthly bill for every 5% shortfall or part thereof, for 1 st Month	No Tolerance	Within 24 hours
(c) Transportation by secondary Collection vehicles without cover/littering during Transportation	Physical reporting by BRAJRAJNAGAR MUNICIPALITY/PMU	Rs. 1000/- each instant	No Tolerance	Within 6 Hours
3. Deficient Segregation of Waste				
(a) Failure to Segregate Waste. Operator has to achieve target for the segregation to transport to Wealth Center	Lab sample test from Govt. laboratory/BIS accredited laboratory	2% of the monthly bill for every 5% shortfall . Short fall = Target - Actual	Nc penalty if 95% target is achieved	Within 24 hours
4. Inadequate Implementation of Drain De-silting				
(a) Lifting of silt within timeframe	Physical reporting	Rs. 3000 per instance in summer/winter and Rs.	Nc Tolerance	Within 24 hours

		10000 per instance in rainy season			
(b) Failure to achieve the Target Efficiency in Drain Cleaning		0.5% of the monthly bill for every 5% shortfall. Shortfall = Target - Actual	No Tolerance		Within 24 hours
Inadequate Implementation of Bush Uprooting, Conservancy Cleaning and De-weeding					
(a) Waste collected from Ward	physical inspection	Rs. 1000/- for shortfall of per point per day	No Tolerance		Within 12 hours
(b) Failure to achieve the Target Efficiency in Bush Uprooting, Conservancy Cleaning and De-weeding		0.5% of the monthly bill for every 5% shortfall	No Tolerance		Within 24 hours
5. Deficient/Non-maintenance of Infrastructure					
(a) Short deployment of functional vehicles (Auto Tipper/Battery Rickshaw/tricycle/ Compactors / transportation vehicles		Rs. 5000/- for Compactor and Rs. 2000/- per other vehicle per day, Rs. 200/- per tricycle	No tolerance (Operator is expected to keep surplus infrastructure to meet contingencies)		Within 24 hours
(b) Short Deployment of Secondary Collection Vehicle/Auto Tipppers		Rs 2000/- per vehicle per day	No tolerance (Operator is expected to keep surplus infrastructure to meet contingencies)		Within 24 hours
(c) Short deployment of manpower		Rs. 500 per person per day if shortage is more than 10%	No tolerance (Operator is expected to keep surplus manpower to meet contingencies)		Within 24 hours
(e) Designated staff not present on site; or not wearing uniform,	Spot inspection by BRAURAJNAGAR MUNICIPALITY/PMU	Rs 500 per incident	No Tolerance		Within maximum 6 hours

2nd PARTY

1ST PARTY

PPE or not having ID					Within 15 days
(f)Project Assets not maintained as per specifications	Physical reporting by BRAJRAJNAGAR MUNICIPALITY official/PMU	Rs 1000 per fault and Rs 500 perday thereafter if the defects are not rectified in specified period.	No Tolerance		
(h)Missing asset identification number in specified format from all assets or Missing RFID Tag	Spot inspection by BRAJRAJNAGAR MUNICIPALITY/PMU	Rs. 500 per asset	No Tolerance		Within 24 hours
6. Deficient Grievance Redressal Mechanism					
(a)Non redressal of complaints in 2 days		Rs. 2000 per complaint when complaint has not been properly closed within 48 hours. Double for every 24 hours thereafter	No penalty if 80% of the complaints get resolved within the prescribed time for the day.		Within 24 hours
7. Miscellaneous Penalties					
(a)Vehicle unloads collected waste at location other than specified MCC/MRF/Landfill/SLF or disposal site	GPS report (Auto Analysed for running and stoppage) or inspection by BRAJRAJNAGAR MUNICIPALITY/PMU	Rs. 5000 per incident	No Tolerance		Within next schedule

2 ANNEXURE-II

2.1 Minimum Technical Requirement of the Proposed sanitation instruments

Operator has to follow minimum technical requirement of the proposed vehicles mentioned in the below table. Please note that “capacity” and “specifications” suggested below are “minimum required”. Operator is free to use higher capacity or higher specifications.

Table 58: Minimum Technical Requirement of the Proposed Vehicles

S. N.	Main Components	Sub-Components	Key Requirement
1	Wheel Barrow for Road Sweeping & Drain Desilting Material		<ul style="list-style-type: none"> • Steel Sheet – Steel Sheets shall be not less than 1.60 mm in thickness and shall conform to IS:1079-1973 • Steel Selection Bars and Rivets • Steel sections and bars shall conform to IS: 1977-1975 and IS: 226-1975 • Rivet bars shall conform to IS: 1148-1973 • Steel Tubes–Steel tubes shall be medium tubes conforming to IS: 1239(Part I)-1973 • Capacity-The wheel barrows shall be of 85 litres capacities: The wheelbarrows shall withstand a proof load a without any permanent deformation of the members. The proof load shall be applied by filling the body of wheelbarrow with a suitable material. • BODY: Construction-The body shall be either cut from a single sheet of steel, the joints being secured by riveting or welding or it may be solid-drawn pressing from a single sheet. If joints are secured by riveting, the rivets shall be of diameter not less than 6mm and shall be placed at a spacing of not more than 10 cm.The body shall have top edge reinforced by one of the following methods:a) The edge rolled over a steel rod of not less than 8mm diameter in order to form a bead and to retain the rod. b) A mild steel band not less than 20*5 mm in cross-section closely riveted or welded to the outside of

			<p>top edges. If riveted, the rivets shall be of diameter not less than 6mm and shall be placed at each end of the strip and at intermediate points not more than 15 cm apart. Additional reinforcement shall be provided at both front corners by welding both edges of the band to the body sheeting, or by additional rivets. The body shall be fixed to the chassis by welding or with black mild steel bolts with cup heads, round necks and square or hexagonal nuts, the bolts being of not less than 8mm diameter. The body shall be so designed that the position of centre of gravity aids the forward motion of the wheelbarrow when in use (filled to its maximum nominal capacity) with normal inclination to the horizontal without causing spillage of the material. The design and dimensions shall be such that when the body is fixed to the chassis the liquid capacity is not less than 35 litre. This capacity shall be determined by standing the barrow on a level surface and filling it with water. The handles of the barrow shall then be raised until the undersides of the ends of the handles are 75 cm above the level of the level of the level surface on which the wheel is resting; the water remaining after raising the body to this position, shall then be measured. In order to facilitate the use of spare bodies with existing frames, they shall be supplied without fixing holes unless otherwise ordered.</p> <ul style="list-style-type: none"> • CHASSIS: The chassis frame shall consist either of a single length of tube of 2.5mm nominal bore or any other suitable steel section such as flat of size 30*6 mm or angle or channel section of equivalent strength, suitably bent to form a support for the wheel and the body. The legs of the chassis shall be formed as part of the tube or other steel section used for the construction of frame or shall consist of separate length of tube or steel section similar to that used for the frame, bent to form a bow and welded to the main frame. The frame shall be reinforced with two mild steel bars, each
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		<p>not less than 30x5 mm in cross-section and arranged to span between the chassis frame at the handle end as well as the wheel end of the body, with their ends closely formed round or welded to the frame. Each leg shall be braced by a mild steel bar not less than 30x6 mm in cross-section closely formed round the bottom of the leg and arranged to provide an intermediate support for the body. Alternately an X type bracing of 25x6 mm steel sATip and spanning between the two legs may be provided. Two front steel braces, not less than 25x6 mm in cross-section shall be fixed between the wheel ends of the body and the chassis frame or the chassis frame shall be suitably bent to provide support to the body at the wheel ends. The arrangement shall, however not prevent tipping of the wheelbarrow over its wheels, when so required by the operator to empty its contents. The underside of the handle ends shall be not less than 50cm and the top edge of the body not more than 60cm above the ground level when the legs are resting on the ground. The overall width of the handles shall be not less than 50cm and not greater than 55cm. The ends of the handles shall be provided with firm comfortable and non-slip grips. The shape and construction of the chassis and body shall ensure stability of the wheelbarrow when the legs are resting on ground or when the wheelbarrow is in motion under normal working conditions.</p> <ul style="list-style-type: none"> • WHEELS: The wheels shall be constructed of mild steel or cast iron and shall be of disk type or any other suitable design to ensure adequate strength. The wheels shall be fitted with metal rims, or solid or cushioned rubber tyres. The diameter of the wheels shall be not less than 300mm and the nominal width of the tyre shall be not less 50mm. • PAINTING: The whole wheel barrows should be sand blasted prior to coating/painting. The outside & inside of the containers to be
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		<p>coated with one coat of zinc rich primer. The internal surface shall be coated with two coats of bituminastic epoxy paint or as approved while the external surface shall be painted with two coats of synthetic enamel paint to ensure long lasting sucture suitable for use of handling raw garbage under corrosive conditions. Colour shade/make of paint shall be as per the choice of Competent Authority. The paint shall be good quality and ICI / Asian / Johnson & Nicholson. / British/ Burger or as approved.</p> <ul style="list-style-type: none"> • AXLE: The axle shall be fixed to the chassis frame and the bearings shall be located inside the wheels hubs which will revolve over the axle. The axle shall be not less than 25mm in diameter and the bearings length shall be not less than 25mm at each end. The journal portion of the axle shall be machined to appropriate tolerances and the allowance, and the surface finished to ensure uniform bearing contact. The material for axle shall conform to IS: 226-1975* if bronze bearing bushes are used and to appropriate grade of wrought steel, such as C 40 of IS: 1570-1961, if cast iron bearings are used. • BEARINGS: The bearings shall be so designed that there is no side play in the movement of the wheels. The bearings shall consist of grey iron castings or pressings, or bronze bearing bushes or any other suitable bearings of equivalent properties. The internal diameter of bore of the bearing shall be such that the clearance between bearing and the axle is not more than 0.5mm. The bearing walls shall be of adequate thickness preferably not less than 5mm to avoid premature wear and giving way of bearing under load. Adequate arrangements shall be provided to facilitate proper lubrication of bearings. • Accessories: Provision should be made for following additional accessories, quantity one with each Wheel Barrow/seamless hand
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			<p>cart.</p> <ul style="list-style-type: none"> • Long handle broom: length of broom 80-85cm, weight of broom 1kg, binding material 20 gauge MS sheet ring having width of 1.5-2 cm, handle of broom bamboo of 135 cm length and 3-4cm dia. Weight of the handle 0.9kg, • Collection plate : length 325mm, width front 300mm, width rear 250mm, 22 gauge of MS sheet. • Metal plate: 100x250 mm sheet of 20 gauge • Secondary Storage Containers of 1.1 cum capacity
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** Proposed design does not recommend usage of Auto Tipper-trolley at any place. However, if there are remote/areas not accessible by proposed Auto Tipper, Operator may identify such area and propose this mechanism in limited form in IIP (Initial Implantation Plan). However, the deployment must comply with prevailing MSW rules and transport rules.*

** Equipment or vehicle for which specification are not there in the PIM, the operator shall have to get specification from at least three suppliers/vendors and get it approved from the officer-in-charge or the competent authority before purchase.*