સુરત મહાનગરપાલિકા
સોબીક વેસ્ટ મેનેજમેન્ટ
અર.ટી.આર.ડી.કે-2005

પ્રો અેક્ટદીવ સીસ્ક્રોટર (પી.એસ.ડી.)
2022
(તા. 01/01/2022 ની સથાનિત્ય)

ઓષ્ઠસ:-

આડિયાં વાકન પ્રથ્યા
વાપસીવાદ હેઠળ સામે,
હરાપુરા ઈલ્લા કેમ્પ (સ્ટોર),
સુરત.

(શ્રી જે. એન. રાજક)નાયક
જાહેર માહતી અધિકારી અને
અંદરકામેન્ટ ઈજનેર
સોબીક વેસ્ટ મેનેજમેન્ટ
સુરત મહાનગરપાલિકા
कवम-४(१)(बी)(१)
संस्थाना कायो अने करजोनी विगतो
सुरत महानगरपालिका जादूर सल्ता मंडण साध्य संयुक्त हे.
(I) The Particulars of Organisation, Functions and Duties:

Functions:

It is the basic requirement for any Municipal Corporation to provide all the amenities to fulfill basic need of water supply, Sewage system and municipal solid waste disposal system. Of these three basic services Surat has pioneered many concepts in the field of Treatment and Disposal of Municipal Solid Waste e.g. construction of Sanitary Landfill Cell for disposal of inert remained, centralized Bio Medical Waste treatment facility, Centralized Plastic Waste Treatment Facility, Decentralized Organic Waste Treatment Facility, C& D waste and E waste management etc.

Surat is a city with population of more than around 60 lacs generates about approx 2300-2350 TPD of Municipal Solid waste. The Municipal Corporation of Surat has opted for integrated Municipal Solid Waste (MSW) Management scheme starting from collection of MSW till its treatment and disposal of inert at end. The activity of primary collection of waste from source of generation through Door to Door garbage collection system is fully outsourced and in the same way the activity of secondary transportation is outsourced. The component of treatment of Solid Waste was design for operation on Outsource Basis and BOOT basis on PPP model.

Basic component of Municipal Solid Waste Management system:

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<td>VIII</td>
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</tbody>
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Mission

To provide better quality of life and to make Surat self reliant and sustainable city with all basic amenities it is our holy commitment for 100% coverage of population and area with comprehensive municipal Solid Waste management system starting from collection, transportation, Treatment and final disposal of city waste in most environment friendly manner.

Mission Statement

- Creating public awareness on garbage management through campaign.
- Centralized complaint management system with modern communication facilities.
(II) The powers and duties of its officers and employees;

(1) Environment Engineer (Solid Waste Management)

A. Working as head of Solid Waste Management department.
B. Looking after the Secondary Transportation activity of SWM.
C. Operating & Marinating 8 (Eight) closed body Transfer station & disposal side.
D. Purchase of cleaning equipments.
E. JNNURM & S.B.M project of S.W.M.
F. Invitation and Sanction of Tenders for,

1) Door to Door collection system
2) Garbage collection & lifting through Smart Under ground dustbind system
3) Night scraping brushing activity
4) Lifting offal & slaughter house waste
5) Lifting of Big dead animals

G. Capital works of infrastructure for transfer station & disposal site

Environment Engineer (Environment Cell, Drainage Department)

A. Working as head of Environment Cell & looking after processing & Disposal of waste
   Development of MSW treatment facility

B. Processing of Specialized waste treatment plants such as C&D waste, E Waste,
   Organic waste, plastic waste, Bio medical waste etc.

C. Development of MSW treatment facility

(2) Chief S.I.

A. Co-ordination with zones for
   I. Door to Door Garbage Collection activity.
   II. Garbage collection & lifting through Smart Under ground dustbind system.
   III. Night scraping brushing.
   IV. Lifting of Big dead animals.
   V. Lifting of offal and slaughter house.

B. Looking after sanitation activity at 8 (Eight) closed body transfer station
   including its operation maintenance

C. Secondary transportation of MSW

(3) S.I. / S.S.I.:
   - Sanitation activity at transfer station / Disposal site, weighing of vehicle/ Loading unloading of MSW at transfer station / disposal site,
   - Spraying of insecticides maintaining records at transfer station

(4) Asst. Engineer / Jr. Engineer:
   - Civil works for infra structure at transfer station / disposal site / MSW treatment facility / Biomedical waste treatment facility / Operation of disposal site / Purchase of cleaning of equipment.

(5) Mukadam:

   - Supervision of activity related to garbage lifting.

   • Safai Kamdar:
     - Activities related to cleanliness like lifting of garbage, sweeping of street, cleaning of transfer station, spraying of insecticides to act as per the instructions of the superior officer etc.

(7) लेखनमंडिरसर:- आरोपी सोलह वेस्ट मेन्जरमेंट विभागना भालाने बनानी कःर्मभागीनींमुन संवक्षण करी
   नेमनी लाख नीवला लाइन्याने कःर्मभागी कोरोही कःरोनो विविध प्रकारनी भालाक्रीय कःर्मभागी कःराबी लेमोनो
   जहूकीहात मुखःनु मांगदास फूट पाड़ी भालाना शरीरहरूं संवाचन करवानु रहे छ। तेमनाम ओडहिस्मा शाहीनी
   कःर्मभागी उपर देखरेख सुपरविझन रामवानु कःरा करवानु रहे छ।

(8) प्रमण श्रेणी कःफार:-करेड प्रकारनी कोरोही मालिकी तेवार कःराबी, काबेडीवा, कःर्मभागी व्यवस्थित
   कःराबी जानवरकारी तेमनाम उपवाला अविकारीवी द्वारा भाणिते सुचारा मुखःनु कःर्मभागी।

(9) सी.नी.कःफार :- अस्टेल्फ़ीसेमेंटने बनानी तमाम कःर्मभागी (ताबमां जेबा भाली–२)

(11) नीरीश्रेणी कःफार :- (१) एश्वर्य–आँध्रप्रदेशी कःर्मभागी परीक्षण अस्टेल्फ़ास, तेषरने बनानी
    अस.वी./ ए.अंग.वी. तथा भर्द्यने बनानी तमाम कःर्मभागी प्रेष
    शेडनी कःर्मभागी। अस.वी.आई.वी. अनेकी करवानु कःर्म।
    (२) सो.वे.म.ना अस्टेल्फ़ीसेमेंटने बनानी तमाम कःर्मभागी।

(12) पत्रवाणा:- भालानी तपाल वाचवानी तेमल भालानी साकःसकार तथा शटाला दुक्म अनुसार
    करवानी कःर्मभागी।
(III) The procedure followed in the decision-making process, including channels of supervision and accountability

Organization Chart of Solid Waste Management Deptt.

Dy. Municipal Commissioner (H. & H.) and City Engineer (SMC)
  ↓
  Environment Engineer (Environment Cell)/ Deputy Engineer
  ↓
  Asst Engg./Jr. Engg
  ↓
  Supervisor (Civil)/ Sanitary Inspector
  ↓
  Technical Asst./ Sanitary Sub Inspector
  ↓
  Beldar / Safai Kamladar

(IV) The norms set by it for the discharge of its functions

(1) The norms set by it for the discharge of its functions:

(a) The procedure followed in the decision-making process, including channels of supervision and accountability.

(b) The norms set by it for the discharge of its functions:

(1) The procedure followed in the decision-making process, including channels of supervision and accountability.

(b) The norms set by it for the discharge of its functions:

(c) The procedure followed in the decision-making process, including channels of supervision and accountability.

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(V) The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

1. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

2. C & D Weston 2014

3. The categories of documents that are held by it or under its control

4. Pseudo Weedon 2014

5. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

(VI) A statement of the categories of documents that are held by it or under its control

1. Detailed Project Report (DPR)

2. Measurement Book, \[\text{and other related documents.}\]

3. Pseudo Weedon 2014

4. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

(VII) The particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to the formulation of its policy or implementation thereof

1. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

(VIII) A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part or for the purpose of its advice, and as to whether meetings of those boards, councils, committees and other bodies are open to the public, or the minutes of such meetings are accessible to the public

1. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

2. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

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16. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

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19. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions

20. The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions
(IX) A directory of its officers and employees

BCNT wise अधिकारी अने कम्युनारीच्या मालिकाची सुरूत महानगरपालिकेच्या देखील साहित http://www.suratmunicipal.gov.in पर संचयन दिले मुख्यांमध्ये आचरण होते तता अनेक भागांना कम्युनारीच्या मेहरबान मालक दिले अनेक पदार्थ लक्षांतरोपणी नव्हे मानताना उपभोक्ते होते.

(X) The monthly remuneration received by each of its officers and employees, including the system of compensation as provided in its regulations

BCNT wise अधिकारी अने कम्युनारीच्या मालिकाची सुरूत महानगरपालिकेच्या देखील साहित http://www.suratmunicipal.gov.in पर संचयन दिले मुख्यांमध्ये आचरण होते तता अनेक भागांना कम्युनारीच्या मेहरबान मालक दिले अनेक पदार्थ लक्षांतरोपणी नव्हे मानताना उपभोक्ते होते.

(XI) The budget allocated to each of its agency, indicating the particulars of all plans, proposed expenditures and reports on disbursements made

सोलहवेळे वेळा नेतृत्वाधीन विभागांनी साधारणत: प्रवाहित विविध कम्युनारी / संस्थानी / एकत्र वाढते भर्ती विविध कम्युनारी आणि / अस्थायी कम्युनारी जीवन-सावधानी प्रवाह वेळा येत अनेक महानगरपालिकेच्या बाबतात साहित सार्वजनिक थेवे. स०.१२२०/- प्रति मेट्रेट बचती वार्षिक वातावरण अन्वेषण वातावरण वातावरण समाज तथा नृतांत २०१८, तारा.२०२०/२०२१ जस्ता धारावर आवलोकन नोनस्टॉक सोलहवेळे वेळा नेतृत्वाधीन प्रवाहित प्रवाहित आणि/आणि आधाराना आहेत.

(XII) The manner of execution of subsidy programmes, including the amounts allocated and the details of beneficiaries of such programmes

(1) शिक्षा देखील विभागांमध्ये तथा अजिव्वल कायदेच्या आधाराना २० डिसेंबर. विभागात विविध प्रायिक विविध कम्युनारी / संस्थानी / एकत्र वाढते भर्ती विविध कम्युनारी जीवन-सावधानी प्रवाह वेळा येत अनेक महानगरपालिकेच्या बाबतात साहित सार्वजनिक थेवे. स०.१२२०/- प्रति मेट्रेट बचती वार्षिक वातावरण अन्वेषण वातावरण समाज तथा नृतांत २०१८, तारा.२०२०/२०२१ जस्ता धारावर आवलोकन नोनस्टॉक सोलहवेळे वेळा नेतृत्वाधीन प्रवाहित प्रवाहित आधाराना आहेत.

(XIII) Particulars of recipients of concessions, permits or authorizations granted by it

1. Segregation at source:
   Transportation and Recycling / Processing of recyclable waste from Material Recovery Facility (MRF) under Swachh Bharat Mission.

2. Door to Door collection of garbage
   • To comply the MSW Rule 2016 Door to Door garbage collection system is made operative from 2004 in all zones covering almost whole area of the city. There are Five different agencies working in Eight zones. The tenure of contract is up to year 2022.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of Zone</th>
<th>Name of Agencies (Door to Door Garbage collection)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Central</td>
<td>M/s Jigar Transport Co.</td>
</tr>
<tr>
<td>2</td>
<td>East –A</td>
<td>Swachatha Corporation</td>
</tr>
<tr>
<td>3</td>
<td>East –B</td>
<td>Western Imaginary Transcon Pvt. Ltd.</td>
</tr>
<tr>
<td>4</td>
<td>North</td>
<td>Global Waste Management Cell Pvt. Ltd.</td>
</tr>
<tr>
<td>5</td>
<td>West</td>
<td>Om Swachatha Corporation</td>
</tr>
<tr>
<td>6</td>
<td>South-West</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>South</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>South-East</td>
<td></td>
</tr>
</tbody>
</table>

a) Management of Hotel-Kitchen waste
   • Introduced in 2000
   • Hotel kitchen waste is collected and transported by the hotel association
   • Total no. of hotels & restaurants – around 300
   • Vehicles deployed by the hotel association -18

b) Anudan Scheme” For Urban Dweller Units
   • Area covered – More than 5 Lac Sq. Mt.
   • Minimum Rs. 1600/- per society.
   • Total activity organized by president of housing colonies.
   • Rate for residential area 0.80 ps. per Sq. Mt.per month
• Rate for Industrial & Residential cum Industrial area 0.65 ps. per Sq. Mt. per month
• Area considered for Grant in Aid: 25% of lay out area.
• More than 800 societies
• Manpower engaged – more than 500

3. Modernization of Refuse Transfer Station

<table>
<thead>
<tr>
<th>No. of Transfer Station</th>
<th>All Eight Transfer stations are operational.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility at Transfer Station</td>
<td>All the primary collecting vehicles from Door to Door Garbage collection and sweeping activity reaches to transfer station from where secondary transportation vehicles are loaded for the purpose of transferring it to disposal site.</td>
</tr>
</tbody>
</table>
| Concept of Modern transfer station | • Primary collecting vehicles sent to the Elevated Platform through Ramp.  
• Chutes are provided at Elevated Platform to receive the MSW from where it is unloaded by primary collection vehicles.  
• Secondary transport vehicle is kept underneath the chutes.  
• MSW unloaded from primary collection vehicles is transferred into the closed container provided with compactor system.  
• The chute portion of transfer station is covered on the top with FRP sheet and whole structure is kept closed with concrete louvered blocks.  
• Transportation of container is carried out on Hook lifting vehicles.  
• Containers are fully closed with leak proof door opening system. |
| Mechanical MRF | • Concept of Mechanical MRF has been introduced at Bhatar, Anjana and Katargam Refuse Transfer Station while it is under construction sure at pal, bhestan & varachha rts.  
• Waste Collected from Commercial units and Roadside dustbin is passed through Mechanical MRF to recover dry waste.  
• From this dry waste, SMC has awarded work for the sale of Various Recovered dry waste consisting of Plastic and Non-Plastic Material Recovered from Material Recovery Facility operated at all Refuse Transfer Station and Other Designated Areas within Surat City limits for 10 Years.  
• SMC will be earning 0.45 Rs/Kg for Plastic recovered waste and 0.35 Rs/Kg for Non-Plastic recovered waste. |
| Results Achieved | • MSW received through closed vehicles is dropped to closed containers without secondary handling.  
• Covered leak proof container preventing spillage of garbage on the road.  
• No foul odour, as transfer station is semi-closed and transport containers are fully closed.  
• No MSW storage, permanently or temporary, at transfer station as it will be directly transferred to containers without secondary handling, therefore no flies nuisance & animals entry is restricted.  
• Separate leachate collecting system is provided. |

4. Treatment of Municipal Solid Waste.


The integrated MSW treatment process of Surat Municipal Corporation is to find the best possible technology and scientific solution for the perennial garbage disposal problem for the city through Public Private Partnership. The integrated treatment technology promoted by C D Transport, was selected as most appropriate technology for treatment of MSW, the agency has installed the facility on BOOT basis for concession period of 03 years. The quantity agreed for agency is minimum 2500MT per day subjected to maximum treatment of 30,00,000.00 MT for treatment. The plant is operated since Jan 2023.
Salient Features Of Project

1. Land allotted by Municipal Corporation.
2. Investment by agency for construction, operation and maintenance.
3. All the permissions, NOC, Consent to follow up the prevailing Rules and regulations is with the agency.
4. S.M.C. giving recommendation letters as and when required without taking financial responsibility.
5. Land provided is 15 hectares.

Technology Involving Processing of MSW into the following:

1. MSW (100%) Segregation
2. Wet organic material (30-35%) – Composting.
3. Dry organic material (35-40%) – RDF.
4. Recyclables (3-5%) – Plastic, MS and rubber items.

2. Treatment and final disposal of Bio Medical Waste:

Concession Agreement Signed by Surat Municipal Corporation with Agency named En-Vision Enviro Engineers – Surat to establish, operate and maintain the centralized Biomedical waste treatment facility, Now it is name as En-cler Bio Medical Waste Pvt. Ltd.

Background

- Requirement of BMW (M&H) Rule
- Every Urban Health Centers & Hospitals in town with population less than 30 lakhs with numbers of beds between 50 & 500 must have treatment facility on or before 31st December 2002.
- Municipal authorities in large cities should check feasibility of setting up common hospital waste treatment facility.
- Compliance to BMW (M&H) Rule
- It is not economically feasible for small unit to establish treatment facility.
- Pilot survey conducted to get the estimated quantity of waste generation.
- Decision for common treatment facility on BOOT base with treatment charge as Rs.16/- per Kg. taken. Private Practitioners were asked to join the common treatment facility.
- Tenders on BOOT base were invited in Aug.2001.
- Open house discussion with beneficiaries was held to discuss contents of tenders.

Role played by SMC to safeguard the facility

- Allotment of land admeasuring 4200 sq.mt. at token rent of Re.1/- per sq.mt. per annum.
- Minimum 200 Kg. per day of bio-medical waste Kept as guaranteed quantity to be deposited by SMC.
- Decision to extend contract for period of 14 years beyond 31/12/2009 is taken.
- SMC shall not allow any other agency to establish treatment facility within Municipal area.
- Provision for entering in to an agreement with private health care units.
- Provision of room for collection of BMW at all the UHCs of Municipal Corporation.

Centralized Biomedical Waste Collection, Treatment & Disposal Facility

- BOOT Contract
- Introduced in Jan 2003
- Land 4046.82 sq. mt. provided by SMC at token rent
- Facility to be in strict adherence to BMW (M & H) Rules.
- Collection of waste – 5200 Kg./Day
- Capacity of plant 6500 kg / Day
- Population: 48 lacs
- Hospitals – 886
- Beds – 8063
• General dispensaries - 2340
• Pathological laboratories-293
• Collection Centres – 29
• Incineration – 1 Unit with dual chamber - 200 kg./hr.
• Autoclave - 1 Unit - 125 kg./hr
• Shredder - 4 Units - 400 kg./hr (100 kg./hr. each unit.)

Handling, Treatment and Disposal of BIO Medical Waste Generated during Treatment/Diagnosis/Quarantine of COVID-19 Patients in Surat City

With respect to the guidelines issued by Central Pollution Control Board for "Handling, Treatment and Disposal of Waste Generated during Treatment/Diagnosis/Quarantine of COVID-19 patients” Surat Municipal Corporation has taken following steps in managing, handling, treating and disposing the waste generated from all facilities, (general solid waste and biomedical waste) in line with provisions under Biomedical Waste Management Rules, 2016.

1. BIOMEDICAL WASTE RECEIVED FROM COVID-19 ISOLATION WARDS/ QUARANTINE CAMPS/HOMES OR HOME-CARE FACILITIES

A. Collection of Waste from Isolation wards/Quarantine Camps/Homes or Home-Care facilities:

i. Waste from Hospital and Isolation wards:

➢ Separate Color Bags as per the provision laid in Biomedical Waste Management Rules-2016, is been provided to all the isolations wards for collection of Biomedical Waste as per the norms. Whereas the waste is been collected in double layered bags with special marking of COVID-19 for leak proofing and adequate strengthening.

➢ The surface of bags used for storage of COVID-19 waste is been disinfected with 1% sodium hypochlorite solution frequently till the disposal of the same

➢ Bio Medical Waste is being lifted by BMW operator and sent for treatment.

ii. Quarantine area / homes:

➢ Biomedical waste generated from quarantine centers/camps is collected separately in yellow colored bags which is suitable for biomedical waste collection. These yellow bags are been provided by SMC to all door to door operators.

➢ These bags are then placed in separate and dedicated space formed in Door to Door Collection vehicles. The said space is been frequently sanitized.

➢ The CBWTF operator collects such bags from designated collection points in the separate vehicle for treatment and disposal of such domestic hazardous waste.

iii. Collection Data

➢ Total 7 No. of Collection Centers Established by SMC for Collection of Bio-Medical Waste generated from Quarantine Camps/Home Quarantine.

➢ Total 14 No. of Dedicated vehicles is been deployed by Common biomedical Waste Treatment Facility operator for collection of Biomedical Waste from ISOLATION Wards and Collection Centers established in each zone.

➢ Till 30.04.2021 Total 670.80 MT of Bio-Medical Waste has been collected from COVID-19 ISOLATION WARDS / QUARANTINE CAMPS / HOMES OR HOME-CARE FACILITIES.

B. Transportation, Treatment and Disposal:

➢ Separate dedicated vehicle with marking of COVID-19 of Common Biomedical Waste Treatment Facility (CBWTF) collects the waste from all the isolation wards and vehicle use in such activity is been sanitized with sodium hypochlorite after every trip.
The waste received at CBWTF is then sent for the Incineration as per the provision laid in Bio Medical Waste Management Rules 2016.

The workers involved in such activity has been provided with adequate PPEs including three-layer masks, splash proof aprons/gowns, nitrile gloves, gum boots and safety goggles etc by CBWTF.

Regular and frequent Health Check-ups of all the workers/officers involved in such activity is been carried out by Surat Municipal Corporation.

3. Centralized Plastic Waste Management Plant:

Concession Agreement Signed by Surat Municipal Corporation with Agency named Eco Vision resources L.L.P for 15 years concession period. SMC has provided 2-acre land on token rent at Bhatar. Agency is producing at moment. Minimum one collection centre per zone has been established and operated by agency. Tie-up with rag pickers and NGO has been done by agency to lift street level plastic. Neither SMC is paying tipping fee to agency nor is the agency paying any royalty to SMC. The Processing plant operational since June 2017, presently has processing capacity of 75 TPD and has scope to increase the capacity up to 200 MT/Day. Tie up with SUMUL Dairy under EPR for collection of plastic bags used for milk packaging. Daily 1.5 lac milk bags are collected and processed. A Toll-Free No. 1800 233 3002 for plastic waste collection is also given to citizens.

4. Organic Waste Management

There are various stream of organic waste generation Hotel and Restaurant Kitchen Vegetable and Non-vegetable Municipal Markets & Slaughter Houses Municipal as well as private gardens Cattle farms Waste from all the streams will be collected separately and transported to proposed process plant

a. 1 TPD organic waste processing plant has been started at Anjana transfer station.

b. Policy regarding installation of OWC units at society level has been formulated in accordance with MSW rules-2016. And unit rate for 50kg, 100kg, 150kg, 200kg and 250 kg is formulated vide Std. Comm. Res. No. 2050/2016, dt. 22/12/2016. Strict penalty action has to be initiated by health department.

c. More than 43 Nos. of OWC units, is installed at different Vegetable and Non-vegetable Municipal Markets & Slaughterhouses

d. Home composting at individual household level has been started.

e. Around 180 nos of society is processing Organic Waste onsite.

5. C & D Waste Management

Project mode is on PPP mode with 20 years concession period and Overall 100 TPD Plant Set up by SPV named Surat Precast Green Pvt. Ltd. SMC provided 3 acre land on token rent at Kosad. Agency is producing various construction materials such sand, block, Paver block etc. Agency is collecting collection charges directly from Users/Generator. Agency has deploy GPS based vehicles for efficient monitoring. SMC has made compulsory for utilization of 20% recycle products in all of the tenders as per the guideline of SBM. Plant is commissioned from Feb-2019 with capacity of 300 TPD. Toll Free No. 1800 212 2829 for C & D waste collection is also given to citizens.

6. Dumpsite Remediation.

Since 2001 to 2018, approx. 25,00,000 lac MT of Solid waste generated from the Surat City was dumped in an open space of about 6,12,000 sq.m. at Khajod Final Disposal Site. The work related to Scientific Closure/Capping of said opened dumped waste was carried out by Surat Municipal Corporation with an approximate cost of Rs 60 Crores and in the time period of 18 months this huge garbage junk yard was converted into beautiful garden in the area of

Honorable NGT alarmed that due to incremental growth of municipal solid waste (MSW), old waste dumps are converted into virtual mountains, Hence, Hon. NGT directed CPCB to proposed standard operating processing (SOP) for implementation of Bio-mining and Bioremediation of legacy solid waste and order to conduct the biomining process of legacy waste as per the provision laid in SWM rules 2016 and accordingly, SMC has awarded the work related to Bio-mining of existing old dumped waste located near Bhatar Sewage Treatment Plant and Sanitary Landfill cell no.02 (SLF-2) at Khajod disposal site including disposal of residue inert at SLF-2 and closure of SLF-2 as per the provisions Of Solid Waste Management Rules 2016, under Swachh Bharat Mission. The said work is under progress and will be completed by Dec 2023.

8. Scientific Land Filling

Every local body has to design develop, Build and operate the scientific land fill site, as prescribed in MSW Rule – 2000 and SWM Rules - 2016 to dispose their Waste into it. Surat Municipal Corporation (SMC) initiated Waste to Energy project during year 2001 – 2002. To receive the inert which was supposed to be generated after processing of MSW, SMC started construction of scientific land fill site simultaneously. As such the project of Municipal Waste to Energy could not start during 2002 due to technical reasons, but the land fill construction was completed during year 2002. SMC was first at that time to develop scientific land fill site in the country with a capacity of 1.25 lac cu.mt. with cost of Rs. 131 lacs whose capacity exhausted in 2011, and the capacity of the same SLF has been extended up to capacity of 8,25,000 m3 at cost of 21 Cr under Swachh Bharat Mission which is under utilization whereas 2nd SLF cell capacity of 6,25,000 cu.mt. Constructed under JnNURM scheme was exhausted and the work related to biomining of the SLF along with closure will be completed by Dec-2023.

9. Work Under Planning Stage

SMC has planned below mentioned work for the effective management of Solid waste under the 15th Finance Commission.

1. Bio methanation and Incineration Plant for Collection, Treatment and Processing of Offal Waste including Collection of Small and Big Dead Animals with O & M within Surat city limit.

2. Design, Engineering, Financing, Construction and O & M including transportation for a period of fifteen (15) years of 100 (TPD) capacity Wet Waste Processing Facility and convert it to Compressed Biogas (CBG) in Surat city under Swachh Bharat Mission Scheme

3. Expression of Interest for Establishing, Operation & Maintenance of a Decentralized Organic Waste Convertor plant (From 100kg to 5 TPD) Facility in Surat City Under CSR/CER Funding are invited.

4. Development of New Waste Management Park including the Centralized Waste Processing Plant, Sanitary Landfill Cell and Relevant Road, Parking Weigh Bridge and Necessary Infrastructure as per the requirement of Site

5. Centralized Industrial Waste Management and Treatment Plant

6. Replacement of the existing system of Collection & transportation of MSW & garbage from the city limit by alternative method.

7. Procurement of Vehicles and Equipment’s for Door to Door Collection of Solid Waste

3,44,000 sq. Mt. The work is completed on December- 2019.
(XIV) Details in respect of the information, available to or held by it, reduced in an electronic form

- The particulars of the information, available to or held by it, reduced in an electronic form.

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(XV) The particulars of facilities available to citizens for obtaining information, including the working hours of a library or reading room, if maintained for public use

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(XVI) The names, designations and other particulars of the Public Information Officers

The names, designations and other particulars of the Public Information Officers.
(XVII) Such other information as may be prescribed; and thereafter update these publications every year.

15

Such other information as may be prescribed; and thereafter update these publications every year.

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### અપીલ અવિકારી:-

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<td>આશિષ કે. નાયક (સર્વાળ અને હોસ્પિટલ) સાથે વેસ્ટ મેનેજમેન્ટ</td>
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<td>૨૪૨૩૫૪૧ ଵી. પા. અસ.નં. ૨૨૧</td>
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### કલમ ૪(૧)(૧૧) કરાવવાના આસે તેની બીજી માહિતી

તા. ૦૧/૦૪/૨૦૨૧ ભા. ૧૧/૦૩/૨૦૨૨ સુધીના સમયગાળાની અંતગત આસે. અને અરજી માટે રજીસ્ટર નમુનો—૦૧ પત્રક આ સાથે સામેવા છે.

(શ્રી કે. અન. નાયક) ગાડર માહિતી અવિકારી અને અનાપારમેન્ટ ઇંજિનિરિંગ સુરત ગાડર અનાનજારના પાલિકા
कवम ३(१)(बी)(१४)

जादर माधविक अधिकारी/महानायक नाम, घरों, अने भीमी विशेष

सरकारी तंत्रपुर नाम:- सुरत महानगरपालिका, विभाग :-सजीव वेस्ट मेनेजमेंट

जादर माधविक अधिकारी:-

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कवम ३(१)(बी)(१५)

हारकाय आवेर ते भीमी माधविकी

तारीख/01/04/2021 वि 31/03/2022 सुबीनी समयगणानी आर.टी.आई. डब्बानी अ०३४ मागेड रिजीस्टर नमुना-०१ पत्र आ सायं सामेळ छे.

(१) अंतर्गत बी जुन-२०२१ रिजीस्टर नमुना-१
(२) जुलाई वि सागरमाहन-२०२१ रिजीस्टर नमुना-१
(३) ओक्टोबर वि विसंको-२०२१ रिजीस्टर नमुना-१
(४) जानुवारी वि मार्च-२०२२ रिजीस्टर नमुना-१

ड.डिम्जिशनर (डिल्ड अंड डोपल्स्टर) अव ओप्षन डिग्निटी सजीव वेस्ट मेनेजमेंट सुरत महानगरपालिका
સૂરત મહાનગર પાલિકા
અનેસાર-એ
પ્રમાણપત્ર

આધી પ્રમાણિત કરવામાં આવેલ છે કે, મારી વિકારી (પ્રોજેક્ટ) તથા મારા વિકારી કાર્યકર્તાના આ સાથેની યાદી મુજબના જાણવી સતતાંદાણી ધ્વાર ભારતી અંધકાર અધિકાર અધિકારિયની કામ-04 અંદરમાં સ્વયં જાણકારી કરવાની ધ્વારનો (પ્રોજેક્ટની દીક્ષાઓ) (દી.અને.દી.)સેટાર કરવામાં આવી છે. 

અને તા.01/05/2022 ની વિભાગીય ને અધિકાર કરવામાં આવેલ છે. જેનું અધિકાર ધ્વાર મારે મે/ જુન 2022 કર્મયાણ ઈ-સ્પેશન-એમ ડીપીટ કરવામાં આવ્યું છે. અને જે ભાષાને હાલ જમાને હતી. અને તા અપૂર્ણ વિસ્તૃત જમાને હતી તેની પૂર્તા કરવામાં આવી છે.

તા.30/04/2022 ની સ્વભાવી કરી કોચ જાણકારી સતત મંજૂરી(પ્રોજેક્ટની દીક્ષાઓ) (દી.અને.દી.) નું ઈ-સ્પેશન-એમ-ડીપીટ યાદી રલખ નવી。

ન પી. અને. દી./સો. વ. મ. / એપેક્ટ /

ટ. 

ડ.શ્રમિશાર (ટલખ એનબા હોસ્પિટલ) 
અને અંગેટ સોલીડર સોલીડર વેસ્ટ મેનેજમેન્ટ 
સૂરત મહાનગર પાલિકા

દિશા:- સોલીડર વેસ્ટ મેનેજમેન્ટ પાલિકાની મારી. દી. એપેક્ટ-2004 
અનેચે પ્રોજેક્ટની દીક્ષાઓ સાથે 2021-22 ની ભાગ સમાપ્ત છે.

18
स.2. सेक्शन ओहिसर (आर.आर.आई.) प्रति,

साविनय जज्जतवांने के सोवीड वेस्ट मेनेजमेंट भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती भारती

सेक्शन ओहिसर
सोवीड वेस्ट मेनेजमेंट

न.2वाणा:- सेक्शन ओहिसर (आर.आर.आई.सेवा) प्रति......आ सावेतुं प्रभावपण सामेल छ.

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लेखक ओफिसर
सोलीड वेस्ट मेंटेजमेंट

स.2. पी.आर. आर. आर. अदालत से जनसूचक अधिकारी प्रति,

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स.2. पी. आर. आर. अदालत से जनसूचक अधिकारी प्रति,

साधन राज्यवासियों के सोलीड वेस्ट मेंटेजमेंट पाताली माहिती अधिकारी अधिनियम—कायदानी कवर-04 (1) जन राजपा लूजन-17 मुद्रानी माहिती तेजप हर पर सुसंगती होि, जैनी डॉक्टरोपी तेजज सोकटोपी (पेपरपोर्ट) मा साभव छे. जेस आजाधनी कार्यवाही रवा बिनती ।

सेक्शन ओफिसर
सोलीड वेस्ट मेंटेजमेंट
स.2.सेक्शन ओबिसरशी आर.टी.आई. सेव प्रति,

सिविल जजार्पायन के आपना पत्र नं.आरटीआईसेवा /1 5 ता. 24/04/2021 मुंबई सोलीड वेस्ट मेनेजमेन्ट आतानी माधिकी अविकटी अविनियम– कायदानी कलम–04(1) भ नी जागरूक हुज़ूम-17 नी विख्यात 1 वी में–2021 नी स्थितियों अभियन करी 'अनेकां- आ' मुझमुझ प्रमाणपत्र आ साथेसामेल छे. जहा बेवा विनौती।

सेक्शन ओबिसर
सोलीड वेस्ट मेनेजमेन्ट

स.2.सेक्शन ओबिसरशी आर.टी.आई. सेव प्रति,

सिविल जजार्पायन के आपना पत्र नं.आरटीआईसेवा /1 5 ता. 24/04/2021 मुंबई सोलीड वेस्ट मेनेजमेन्ट आतानी माधिकी अविकटी अविनियम– कायदानी कलम–04(1) भ नी जागरूक हुज़ूम-17 नी विख्यात 1 वी में–2021 नी स्थितियों अभियन करी 'अनेकां- आ' मुझमुझ प्रमाणपत्र आ साथेसामेल छे. जहा बेवा विनौती।

सेक्शन ओबिसर
सोलीड वेस्ट मेनेजमेन्ट
સાદર રણ,

સવતનું જ્ઞાન મળ્યા છે કે સોલીડ વેસ્ટ મેનેજમેંટ પાતાલી માહીતી અદાલતના અહીંદાય ક્વામ 04 (1) (ભી.) (14) અને ક્વામ 04 (1) (ભી.) (17) મુખ્ય તા.01/04/2021 થી આ.03/03/2022 સુધીના સમયગાળાની આર.ટી.એફ. એરકેની અરજી માટે રેકીસ્ટર નમૂના -01 પત્રક અને અનેકારને જે પ્રમાણપત્ર તેપાર ક્રમે આ સાથે સામે થયેલ હતા છે. જેના પર માન.એ.ડીસ્ટ્રિબ્યુશનશ્રી (હેડ અને ડોસિપ.) ની સહી વાદ હાલી આવવા વિત્તની.

સેલફસન ઓફિસર
સોલીડ વેસ્ટ મેનેજમેંટ

અન્યા.એલિબિએસ્ટ્રી
સોલીડ વેસ્ટ મેનેજમેંટ

ડી.ડીસ્ટ્રિબ્યુશનશ્રી (હેડ. અને ડોસ.),
સુવિધા મહાનગરપાલિકા