

Solid Waste Management Programme in AP Outsourcing Integrated Service Packages

GO 279 Tender(RFP)Process Management

Background

- ❑ 13 Districts; 110 ULBs; 1.46 Cr. Population; 32.40 lakh households
- ❑ Generation of 6440 MTs of Municipal Solid Waste Per day.
- ❑ Expected Annual Growth 5 %.
- ❑ Total Wards 3393 ; D2 D collection in 3074 Wards
- ❑ Non-uniform methods in ULBs for handling sanitation and solid waste management
- ❑ System of engaging contract workers is inefficient
- ❑ Poor Resource Recovery
- ❑ Poor Sanitary and solid waste management conditions in ULBs and wide-ranging public dissatisfaction with the services

Sanitation and Solid Waste Management Mission of MAUD

***Transforming cities and towns in
Andhra Pradesh into neat, clean and
litter-free areas for best-in-class
livability; health standards;
environment, tourism and investment
attractiveness.***

GoAP Initiatives

- Issue of GO 279 dt: 31.12.2015 – Operational Guidelines for Maintenance of Sanitation and solid Waste management**
 - Guiding ULBs for effective implementation of MSW Rules and NGT Directives
 - Source Segregated Waste Collection and Transportation (Standard Norms)
 - Shift From Worker Outsourcing to Work Outsourcing (Equipment, Material, Men, Operations and Maintenance) - Competitive Bidding
 - 100 % Service Coverage – Waste Collection at the Doors / Gates

Rationalized Work Packages (With Required Machinery, Men, Materials , Operations and Maintenance)

Work Package -1 (Sanitation and Solid Waste Handling)

- Responsibility: Micro Pocket Wise Residential Areas Sanitation (Sweeping, Drains Cleaning, & Vector Control) and Gate -to-Gate Solid Waste Collection
- Each Package may have 80-100 Residential Micro Pockets- 26,000 to 32,500 Households
- Based on the Households Size, ULBs will have 1-4 Work Packages
- One work package will be handled by the permanent PH Workers of the ULB
- Remaining Packages will be outsourced

Work Package -2 (Commercial and Bulk Solid Waste Handling)

Commercial Institutional, Industrial and Bulk Residential (Gated Communities and Large Apartments) Waste Collection

Work Package-3 (Mechanical Road Sweeping)

Main Roads Sanitation (Sweeping & Drains Cleaning) and Litter Collection
Mechanical Road Sweeping (Carriage Way) -

Benefits of Implementing GO- 279

Present Practices	GO 279 Policy
Worker Based	Work (Results) Based
Ward Based	Micro Pocket Based (100% Service Coverage Ensured)
No Assignment of Job Responsibility	Clear Assignment of Job Responsibility
No Penal Action	Penal Actions / Penalties
No Clear Work Quantities, Imbalance of Household Allotments	Clear Work Quantities with Definite Household Allotments (Micro Pockets)
No separate Mechanism for Bulk Waste Collection	Separate Mechanism for Bulk Waste Collection
No Mechanical Sweeping	Mechanical Sweeping of Main Roads Introduced

Real-Time Monitoring of Municipal Services - IoT and ICT

Inputs on Contractor Performance

- Worker Payments
- IVRS – Bulk SMS- Social Audit



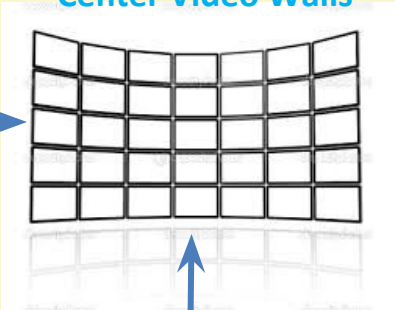
Devices

Data Flow – Auto Mode
Complaints Information

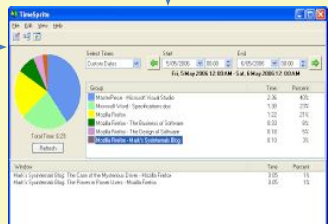


Complaints through Puraseva App

Command & Control Center Video Walls



Information Flow – Auto Mode



KPI based Performance Scoring & Payment authorization to the Contactor

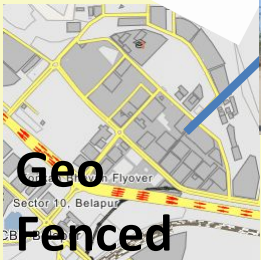
Live Video Streaming



Truck loading after Waste Weighment – RFID Identification of MPs

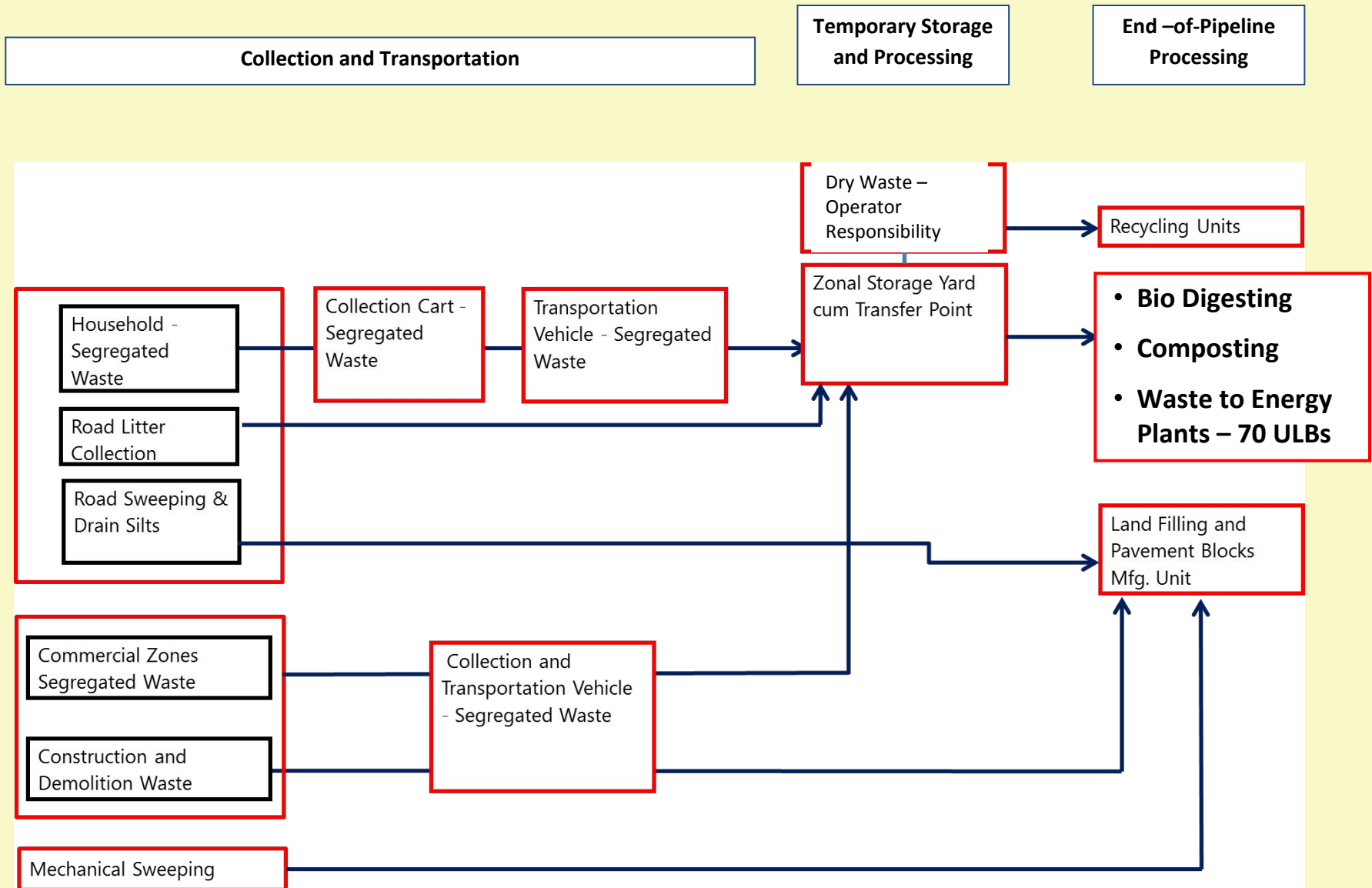


Geo tagged Monitoring of Service Providers



Black Spots Monitoring

ULB Level Schematic of Waste Management



Waste to Energy Plants are set up for 12 ULB clusters on PPP mode.

Outsourcing / Contracting Models

- RFI – Request for Information (Service Provider Registration / empanelment)
- EOI –Expression of Interest (Assessment of Service Providers Availability, Gathering Information on Technology, Services, Previous Works , Open ended questions to solicit Solution Design
- RFP – Request for Proposals (Tender) - Clearly Defined Project Requirements - Technology, Service, Delivery Methodology , Staff Requirements, Payment Conditions, Contract Conditions Service Agreement (legal binding) , Defined formats - Technical Response, Financial Response Forms
 - Product / Service Delivery (One time – Short term)
 - BOT – Build- Operate and Transfer
 - BOOM – Build, Own, Operate and Maintain
 - DBOT – Design, Build, Operate and Transfer
 - PPP – Public Private Partnerships (long term – Concessionaire Agreements)

GO 279 Tenders Processing Details

Contents

1. **Tender Process Management Steps & Timelines**
 - a) **GO for Procedures (159, 160 of MAUD, 24 June 2017**
 - b) **Timelines**
2. **Documents Preparation**
 - a) **Notice Inviting Tender, Attachment Forms, (T1-T9; F1) Service Agreement**
 - b) **Request Letter for NIT Approval (BoQs)**
 - c) **NIT Approval**
3. **Tender Management**
 - a) **Upload in E-tender Portal**
 - b) **Release of Paper Advertisement**
 - c) **Pre-bid Meeting**
 - d) **Tender Opening**
4. **Technical Tender Qualification and Evaluation**
 - a) **Technical Bid Opening & Qualification Verification - ULB Technical Committee**
 - b) **Tender Evaluation - Regional Bid Selection Committee**
 - c) **Financial Bid Opening - E-tender Portal**
 - d) **Final Bid Selection – State Committee , GO Issue**
5. **CE / EnC Approval**
 - a) **Technical Evaluation Approval**
 - b) **Financial Evaluation Approval**

1. Tender Document Preparation

Package wise Tender

- Tender Notification No.
- Paper Notification (with portal link and date & time from which the tender document can be downloaded)
- E-tender Portal : <https://tender.apecurement.gov.in/login.html>

All ULB Information

- ULB Information

ULB Map indicating the Package Details – Physical Details

- Table -7 of the Tender Document (Notice Inviting Tender) and Schedule A-1 of Service Agreement
- Indicate Micro pocket Boundaries and Package Boundaries in the map including the names of the localities and key locations
- The map details should match with the information in the Table

2. Tender Document - Package Physical Details

Micro Pocket Details in Table -7 of the Tender Document and Schedule A-1 of Service Agreement

- ❖ Entire Package Area should be covered within the Micro Pocket boundaries
- ❖ Must Include: (all street and road surfaces, open public areas and structures abutting the given micro pockets)
 - ❖ Micro Pocket Streets
 - ❖ Main and Arterial Roads, Road Medians, Traffic Islands
 - ❖ Footpaths, and Pavements ,
 - ❖ Parking lots
 - ❖ Foot over Bridges, Bus Shelters, Subways,
- ❖ Indicate Waste Storage / Deposit Places

3. Notice Inviting Tender – Tender Conditions

(Refer Attached pdf : Tender Management orientation Note)

- Bid Schedule Details - Dates & Time: Pre bid meeting , Tender Opening**
- Qualification Criteria – Turnover, Networth**
- Packages Award - Not more than _____ Packages**
- Bid Forms (Technical & Financial)**
 - Fill in Package No. (header) and the ULB information (footer)
- Technical Evaluation Criteria (cl.7.2)**
- Material Quantities Details (cl.10.1)**
 - As per Abstract -2 of the Technical Estimate
- Workforce Quantities Details**
 - As per Abstract -2 of the Technical Estimate
- Personal Protective Wear Details**
 - As per Abstract -2 of the Technical Estimate

4. Pre-Bid Meeting – As Scheduled

- ❑ Arrange a meeting room in the ULB
- ❑ Take attendance of all the Attendees
- ❑ Commissioner to briefly explain the Objective
 - Explain the Micro Planning Steps - Micro Pockets and Broad Work Scope
 - Ask them to make field visits and get acquainted with field conditions .
 - Use the map and the Table -7 to explain the details
- ❑ Ask for any queries
- ❑ Provide clarifications on e-mail queries for which response is available – No promises other than existing policy decisions
- ❑ Assure that for all the queries (e-mail and oral at the meeting) response will be posted in the tender portal as Corrigendum
- ❑ Announce the Date and Time of Bid Due and Technical Bid Opening

5. Technical Bid Opening & Evaluation

- ❑ Online Bid Opening as Scheduled
- ❑ Documents Scrutiny – ULB Technical Committee
 - Eligibility Conditions - Authenticity Verification (Writing to confirm with private agencies for experience certificates)
 - Forms T1 to T9 – completeness
- ❑ Technical Evaluation - Regional Bid Selection Committee (RBSC)

Regional Bid Selection Committee Constitution	
Committee Members	Position in the Committee
1. In All Municipal Corporations, where the Commissioners are IAS officers	
Commissioner of Municipal Corporation Concerned	Chairperson
Regional Director – cum – Appellate Commissioner of Municipal Administration Concerned	Member
Superintending Engineer (Public Health) concerned	Member
Head of Engineering Section in the respective Municipal Corporation	Member
Head of Public Health Section in the respective Municipal Corporation	Member Convener
2. For all other ULBs	
Regional Director – cum – Appellate Commissioner of Municipal Administration Concerned	Chairperson
Municipal commissioner of concerned ULB	Member Convener
Superintending Engineer (Public Helath) concerned	Member
Head of Engineering Section in the respective ULB	Member
Head of Public Health Section in the respective ULB	Member

6. Technical Evaluation Scores

Table-3: Parameters for Technical Evaluation	Maximum Marks
1. Work Experience of the Bidder	60 marks
2. Financial Turnover	10 marks
3. Networth	10 marks
4. Involvement in Corporate Social Responsibility Projects	10 marks
5. Approach and Methodology	10 marks
Total Marks for Technical Evaluation	100 marks

- RBSC to make a note of Technical Scoring Process; ULB Commissioner to send for CE / EnC Approval
- Notify in the Portal Technical Scores, Bidder Technical Selection $\geq 60\%$, Date of Financial Bid Opening

7. Financial Bid Opening and Bidder Selection & Service Agreement

- ❑ Financial Bid opening in the E-Tender Portal System
 - Reject if the bid value is less than indicted ECV amount
 - Standard Formula : L1 to get 100 marks : L2 to Ln to get inversely lower marks
- ❑ ULB Commissioner to send for CE / EnC Approval
- ❑ State Committee { Prl.Secy, MA&UD, DMA & EnC(PH) }
 - Scrutinize the Technical and Financial Evaluations
 - Combined Scores = $(TS*0.7) + (FS*0.3)$
 - Issue of GO -Selection of Successful Bidder (LoA)
- ❑ Bidder to Conclude Agreement
- ❑ Date of work Commencement – within 30 days of Signing the Agreement.

8. Work Monitoring

- ❑ Daily Monitoring by PH Section (PH Role – Supervisory and Managerial)
- ❑ Use the RTMS tool and **Puraseva** App
- ❑ Weekly Reports and Review with the Service Provider
- ❑ Payment based on RTMS Scores (Penalty for Service Failures - KPIs)
 - PH Section to Clear the Bills
 - Payment through e-transfer