

## Existing Sanitation Facility in Shirdi

Total length approximated having the sewers	@ 10 km
One Bio gas generation plant	35 cum/day capacity (3 nos)
Septic tanks	25 Nos.
Public Toilets by SMC	<ul style="list-style-type: none"><li>• Laxmi Nagar – 34 seats</li><li>• Rajwada – 10 seats</li><li>• New Market area – 18 seats</li></ul>
Toilet complex by SSD	48 Nos.

### Types of Drains in Shirdi

Type of drains	Length in Km
Open drains	7
Closed drains	14
Total drain length	21



# Existing Environmental Scenario

## 2. Solid Waste Management

- Shirdi town generates about 7.5 tons of waste per day including MSW at @ 2 Tons/day
- Daily waste Collection by SMC is 4 Tons
- MSW generated during festival is about 15 tons/day
- Presently, MSW is dumped on open land near Rui Shivar.- Area 1.03 ha

### Key Environmental Issues

- Lack of public awareness
- Poor collection system & Unscientific disposal along the riverbanks and roadsides leads to chocking of drainages & poor aesthetics
- Poor SW collection posing threats to public health.
- Air pollution due to burning of solid waste



**Uncollected solid waste**



**Present SW Disposal Site**



## Solid Waste Generation in Shirdi

Source of Waste Generation	Quantity (MT/day)	Total %
Sai Sansthan (Includes Samadhi Temple Complex, Prasadalya & accommodation facilities)	2	27
Households	1.75	23
Hotels, restaurants and commercial establishments	1.5	20
Vegetable market	0.5	7
Street sweepings, drain de-silting and others	1.75	23
Hospital waste (non-infectious and non-hazardous)	0.001	0
<b>Total</b>	<b>7.501</b>	<b>100.0</b>

## Details of Solid waste disposal sites in Shirdi

Location	Disposal	Area	Distance from town	Commissioned Year
Within the boundary of the SMC, Near Rui Shivar Village	Land Disposal	1.03 sq.km	1 km	1998



## Solid Waste Management Performance Indicators

Indicator	Norm	Existing Service Levels
Waste Collection Performance	90-95%	55%
Vehicle Capacity Adequacy Ratio	30% of total waste generation	100%
Spacing of Dust Bins	100 m	Av. 800m
Road Length per Sweeper	400 –600 m	860 m
Conservancy staff per 1000 population	3	1.6 (52 for 26169 + 5000 persons)

## Details of Bio Medical Waste of Sai Sansthan Hospital

Sr.No	Type of waste	Waste generated per month	Category
1	Anatomical waste	500 kg	1
2	Waste shreds	600 kg	4
3	Discarded medicines	0.1 kg	5
4	Soiled waste	2000 kg	6
5	Solid waste	250 kg	7
6	Liquid waste	1150 kg	8



# Existing Environmental Scenario

## 3. Water Supply

- The Existing Water Supply Scheme is designed on the basis of a rural water supply scheme
  - flow rate of 40 lpcd - 15000 resident population
  - flow rate of 20 lpcd - 25000 floating population
- Earthen Storage Tank of capacity 22 Million Litres with a detention period of 15 days
- E.S.R. capacity 3, 50,000 litres
- Scheme operated by Shirdi Sansthan has a capacity of 6.6 MLD with balancing tanks of 90 million litre capacity and treatment plant

## Key Environmental Issues

- Temple & private hotels are mostly ground water dependent
- The coverage has to be extended to cover the entire town



ESR at Kankuri Rd



ESR near SMC

