



“SEWERAGE SCENARIO IN THE STATE OF GOA”

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SEWERAGE SCENARIO- A GLANCE

- **Goa being touristic destination an appropriate sewerage system is essential for improving public health and quality of life in Urban and Rural Areas and for attracting tourism development.**
- **Goa realized the Importance of Sanitation and Rural Sanitation Programme was started way back in the year 1984.**
- **Presently Sewer Network is taken up in Panaji , Margao and Vasco Towns.**
- **Sewerage Network for Panaji Town was taken up in the year 1960.**
- **Sewer Network for Margao was installed in 1990.**
- **Sewer Network for Vasco Town was installed in 1985.**

PRESENT SEWERAGE SCENARIO

- **100 % coverage to be ensured wherever STPs are located.**
- **Redesign of the Existing Sewer System network to ensure safe Disposal.**
- **GIS Inventory Mapping & Data Base Management system.**
- **Efficient Maintenance Mechanism Establishing O&M system.**
- **Ensure 100% treatment of sewerage.**

Present Sewerage Facilities

Sr.No.	Name of the Sewerage Plant	Total MLD	Areas Covered
1	Tonca (PWD)	12.5	Part of Panajl, Taleigao, Miramar (C-TECH)
2	Bambolim (GMC)	1.00	Goa Medical College
3	Panaji KTC Bus Stand	0.57	Panaji Bus Stand
4	Margao (PWD)	7.5	Part of Margao City
5	Vasco (PWD)	14	Vasco City

SEWERAGE FACILITIES

- 1st Plant in India using SBR Technology (C-Tech) was installed in Goa in 2005.

- Presently this plant is covering part of Panaji City. Work under execution to cover entire Panaji City. Many States have visited this plant and expressed satisfaction on the effluent.

The effluent produced is good, no smell, no gas formation and no environmental pollution.

25% of the Water Supply charges are billed to customer wherever sewerage facility is provided.

PROPOSED SEWERAGE FACILITIES

- Sewerage Schemes for major cities and towns is planned to be taken up in phased manner using latest technology.
- Augmentation of Sewerage System at Margao, Providing Sewerage System to Mapusa, Providing Sewerage System to North Coastal Belt under JICA scheme.
- Construction of Sewerage Treatment Plants at Margao, Mapusa and North Goa Coastal Belt under JICA Scheme.
- The treated effluent water will be supplied to major industries.
- Proposal is presently worked out and Major Industries have already come forward.

PROPOSED SEWERAGE FACILITIES

- Detailed Project Report are already prepared for providing sewerage facilities.

S.N	Name of the Project	Cost In Crores
1	Porvorim and Sub Urban Areas	210.00
2	Navelim and Sub Urban Areas	192.00
3	Cortalim and Sub Urban Areas of Vasco Town	605.00
4	Ponda Town and surrounding urban Areas	403.00
5	South Goa Costal Belt	655.00
6	Old Goa (World Heritage Centre)	284.00
	TOTAL	2349.00

SEWERAGE PROJECT UNDER JNNURM

SEWERAGE

- ✓ a) 100 % coverage to be ensured not only for Panaji and surrounding areas. Additional STP etc.
- ✓ b) Redesign of the Existing Sewer System network to ensure safe Disposal.
- ✓ c) GIS Inventory Mapping & Data Base Management system.
- ✓ d) Efficient Maintenance Mechanism Establishing O&M system.
- ✓ e) Ensure 100% treatment of sewerage.

PRESENT SEWERAGE FACILTIES TO PANAJI CITY

ITEM	PANAJI
Capacity of STP (MLD)	12.5
Area covered (% of municipal area)	85
Number of connection	3311
Number of households covered	11000
Length of sewer network (km)	36
Percentage of covered population	92%
Areas Covered	Part of Panaji City, Tonca & Miramar

JNNURM PROJECT FOR PANAJI CITY – SEWERGE

Description	Approx Cost (Lakhs)
a) 3 MLD S.T.P at EDC	1000.00
b) Testing & Rehabilitation of sewer lines	1768.00
c) Sewage Network in Ribandar & outskirts of Panaji City	800.00
d) Rehabilitation of pumping stations, STP equipments & automization	150.00
e) GIS mapping of sewerage network	500.00
f) Quality Control Laboratory	30.00
<u>TOTAL</u>	<u>4248.00 Lakhs</u>
<u>The above components are proposed to be taken up under JNNURM for Panaji City</u>	

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Thank you