

PLAN OF ACTION AND PHASING – SEWERAGE

S. No.	Policies/Proposals	10th Plan (2002-2007)	11th Plan (2007-2012)	12th Plan (2012-2017)	13th Plan (2017-2021)
1	2	3	4	5	6
SEWERAGE					
1.	Master Plans should be prepared for sewerage system and its treatment for all the identified towns.	To be prepared by the State governments by the year 2006.	Implementation and monitoring to be done by the States on regular basis.	Implementation and monitoring to be done by the States on regular basis.	Implementation and monitoring to be done by the States on regular basis.
2.	All identified towns should have cent percent sewerage system and should treat their sewage up to the desired standards. Existing townships/cities where existing sewerage system is in poor condition, these systems should be rehabilitated. Remaining towns may initially be provided with low cost sanitation systems followed by sewerage system with appropriate treatment facilities. All the urban villages should be provided with the facilities equivalent to the towns, within whose controlled areas they are located. Other rural areas should be provided with low cost sanitation (LCS) measures such as sanitary latrines, septic tanks and soak pits.	To be implemented in the towns with a population of 5 lakhs and above. LCS to be provided in the 30% area.	To be implemented in the towns with a population from 2-5 lakhs. LCS to be provided in the 40% area.	To be implemented in the towns with a population below 2 lakhs. LCS to be provided in the 30% area.	Upgradation/augmentation of capacities for the increased population. Upgradation/augmentation of capacities for the increased population.
3.	Master/Development Plans of the towns and cities should incorporate land allocations at appropriate locations for such facilities.	To be done immediately as per norms prescribed in the Regional Plan.	To ensure the compliance.	To ensure the compliance.	To ensure the compliance.
4.	Overall management of surface drains and sewerage system in a town with its effluent treatment facilities should be with single agency and policy of dual	To be implemented immediately.	To ensure the compliance.	To ensure the compliance.	To ensure the compliance.

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	agencies should be discarded.				
5.	Recycling of waste water for non drinking water use should be promoted to the extent of at least 50% of the waste water generated. If required, enabling provisions in the respective acts of the local bodies may be made by the respective state governments.	To be done immediately.	To ensure the compliance.	To ensure the compliance.	To ensure the compliance.
6.	Mass awareness should be created for waste minimization.	To be done immediately.	To ensure the compliance.	To ensure the compliance.	To ensure the compliance.
7.	Commercial approach is required to be adopted by the local bodies for revenue generation. Tariff should be so fixed that it meets at least the Operation and Maintenance cost of the sewerage system, if not the capital cost of the system. Introduction of sewage tax and improved recovery of taxes may help in reducing the revenue-expenditure gap. The structure of the sewage tax should be demand based and increased telescopically depending upon the monthly consumption of water and should be reviewed periodically as a built-in mechanism to make the service self sustaining and a deterrent to wastage. Public-private partnership needs to be introduced for operation and maintenance of the sewerage schemes and sewage treatment plants.	To be implemented immediately. States should improve water tariff by the end of 11th Plan.	To ensure the compliance. States should improve water tariff by the end of 11th Plan.	To review the tariff structure and if required to be enhanced.	To review the tariff structure and if required to be enhanced.
8.	Institutional capacity building measures should be adopted.	Capacity building is a continuous process and is required to be taken up immediately by the respective State governments. The Board should help the State governments in conducting the courses for capacity building. Training courses for capacity building to continue. Tariff to be reviewed.			

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9.	External Development Charges (EDC) should be proportionately spent for the development of physical infrastructure in the existing township and new area under development.	To be done immediately	To ensure the compliance	To ensure the compliance	To ensure the compliance
10.	Provision for Special Component Plan for NCR in the five-year plan and Sub-component Plan by the State governments should be made. Centrally Sponsored Schemes for Infrastructure Development in NCR should be formulated and implemented.	Should be implemented immediately	To ensure implementation	To ensure implementation	To ensure implementation
11.	Total estimated sewage generation in the urban areas of the region is estimated to be 6,935 mld by the year 2021 and accordingly, there will be need to strengthen/expand the sewerage system and its treatment capacities in the region. Total investment required for laying of sewerage system would be Rs.3,467.47 crore by the year 2021 and for treatment of waste water, the investment would amount to Rs. 4,854.46 crores.	Fund requirement for laying of sewerage system is estimated to be Rs.1,248.29 crores.	Fund requirement for laying of sewerage system is estimated to be Rs.2,912.68 crores.	Fund requirement for laying of sewerage system is estimated to be Rs.2,496.58 crores.	Fund requirement for laying of sewerage system is estimated to be Rs.1,664.39 crores.