City Name - Bareilly

1. Assess the Service Level Gap (Sewerage)

The first step is to assess the existing situation and service levels gaps for Sewerage (AMRUT Guidelines; para 3 & 6). This will also include existing institutional framework for the sector. For this City has to review all policy, plans, scheme documents etc. to identify service level gaps and hold discussions with officials and citizens. AMRUT is focused on improvement in service levels. The zone wise data shall be used in identifying the gaps. These zone-wise gaps will be added to arrive at city level service gaps. While assessing service level gap reply following questions not more than word indicated against each question.

Question: What kind of baseline information n is available for sewerage system of the city? Detail out the data, information, plans, reports etc related to sewerage available with city? Is zone wise information available? Have you correlated your data with census 2011 data? (100 words)

The baseline information is available from Municipal Corporation Bareilly and Jal Nigam Bareilly . A General Survey has been conducted by the Municipal Corporation Bareilly to cover the number of properties present within the city limit and a Detailed Project Report has been made by Jal Nigam under UDISSMT Scheme/ Namami Gange Yojna regarding the present status of sewerage coverage condition in the city. Yes, Bareilly City has been divided into 4 zones and Zone wise information is available.

Total Population (Census, 2011)	Location of source of drinking water Population	Total Number of Households	Total Number of Households with toilets
	889776		
	Total	164522	157787
	Within the premises	156861	151642
	Near the premises	6508	5234
	Away	1153	911
Departmental Data (2015)	9,38,385	**141590**	**137342**

What are existing service levels for sewerage for coverage of sewerage network services, efficiency of collection of sewerage and efficiency in treatment. Provide information in table

Table 2.1 : Status of sewerage network and Service Levels

Sr. No.	Indicators	Existing Service Level (in%)	MOUD Benchmark	Reliability
1	**Coverage of latrines (individual or community)**	**97%**	100%	D
2	Coverage of sewerage network services –	**41.4 %**	100%	D
3	Efficiency of collection of sewerage	**61%**	100%	A
4	Efficiency in Treatment: Adequacy of sewerage treatment capacity	**0 %**	100%	A

Question: What is the gap in these service levels with regard to benchmarks prescribed by MoUD? (75 words)

1. Gap in coverage of latrines (individual or community)= **3%**
2. Gap in Coverage of sewerage network services= **63.4 %**
3. Gap in Efficiency of collection of sewerage= **39%**
4. Gap in Efficiency in Treatment: Adequacy of sewerage treatment capacity=100 %

Question: Does city has separate drainage system or sewer lines take care of storm water? (50 words)

No, City does not has separate drainage system or sewer lines take care of storm water. **There is no STP in the city.**

Coverage of latrines (individual or community), Please provide information in Table 2.2 A

Zone No.	Total No. of Households	Total number of HH with individual or community toilets within walking distance (b)	Coverage of latrines (%), (b/a)*100%
1	40067 HH	39100 HH	98 %
2	36738 HH	35448 HH	96 %
3	37652 HH	36381HH	97 %
4	27133 HH	26413 HH	97 %
TOTAL	**141590 HH**	**137342 HH**	**97%**

SEWERAGE NETWORK AND COLLECTION OF SEWERAGE

Question: How much of the area of the city is covered by sewerage network? What is the status of household connections in each zone? What are the areas covered under 3rganiz? Provide information in Table

Table: Zone Wise Coverage of Households

Zone No.	Total No. of Households(HH) a	Households with Sewerage Network b	Coverage of sewerage network services (b/a)*100%
1	40067	10720	27 %
2	36738	18993	52 %
3	37652	20996	56 %

Zone No.	Total No. of Households(HH) a	Households with Sewerage Network b	Coverage of sewerage network services (b/a)*100%
4	27133	7930	29 %
TOTAL	**141590 HH**	**58639 HH**	**41.4 %**

Question: Are there any areas where sewer lines have been laid but still households are not connected to sewer lines? Are there any areas where toilets may be connected to sewer lines but kitchen or bathroom waste are not connected to sewerage system? (75 words)

ULB Bareilly have no such areas.

Question: Is there any systematic and organized method to collect and treat waste from septic tanks? What is the duration of cleaning of septic tanks (monthly, quarterly, semiannually or annually)? Indicate status of overflows of septic tanks, either in the nearby drains /open fields/ sewerage lines etc? (75 words)

The Municipal Corporation does not have any plan to collect and treat septic waste from tanks they are based on the number of complaints from the citizens. The overflow is witnessed only in the rainy season and the only way to move the sewerage, is to dispose it in the drains or in open field area as the city does not have any Sewerage Treatment Plant.

Question: What is the situation of O&M of the existing sewerage system? Does the city has routine maintenance system or breakdown maintenance system? What is the duration of cleaning of sewer lines (monthly, quarterly, semiannually or annually)? Indicate infrastructure available for O&M of the sewerage system i.e sewer jetting machines etc? (100 words)

The operation and Maintenance is done on Breakdown Maintenance System. On an average the cleaning could be stated to be done on quarterly basis. The Infrastructure available for O&M are: 1) Sewer Jetting Machine - 3 Nos 2) Manhole desilting Machine - 1 Nos 3) Manhole Bucket Machine - 1 Nos 4) Sewer Sucking Machine - 2 Nos 5) Dewatering Pump set - 10 Nos

SEWAGE TREATMENT SYSTEM

Question: Does city has Sewage Treatment Plant (STP)? Which areas are covered under each of the STPs? Provide details in Table 2.3

Table 2.3: Status of Existing STPSs

Sr. No.	Location	Capacity (MLD)	Inflow in the STP (MLD)	Efficiency in %
-	-	-	-	-

Question: Does decentralized waste treatment system exist or planned in the city? If yes, provide details (75 words)

Yes decentralized waste treatment has been planned in the city. The DPR prepared by Jal Nigam proposes to have 4 STP for all the four zones of the city. However due to unavailability of land the same could not be provisioned under AMRUT.

Question: How much of sewerage is generated in the city? How much of this sewerage generated reaches the STPs? What is the Biological Oxygen Demand (BOD) of incoming and outgoing sewage of each STP? (100 words)

The total sewerage generated in the City is approximately 154 MLD. There is no STP in the city hence all the sewerage is drained into a pond or storm water drains. From the pond the same is pumped into fields and other agricultural usage if required by the citizens.

Question: Is treated sewage being reused or recycled? Is treated water being used for irrigation or industrial purpose? Does the option of power generation being explored? (75 words)

There is no STP in the city.

INSTITUTIONAL FRAMEWORK

Question: Define role and responsibilities in terms of O&M, policy planning, funding, service provision in table

Table: 2.4: Functions, roles, and responsibilities

Planning and Design	Construction/ Implementation	O&M
UP Jal Nigam	UP Jal Nigam	Nagar Palika Prishad Sambhal

Question: Please also detail that how city is planning to execute projects. Shall the implementation of project be done by Municipal Corporation or any parastatal body? (75 words)

The city has been working in collaboration with Jal Nigam a parastatal body for its sewerage infrastructure projects in the city. The Municipal Corporation Bareilly in the future will be working on the same platform till any further orders by the State Government.

2. Bridge the Gap

Once the gap between the existing Service Levels is computed, based on initiatives undertaken in different ongoing programs and projects, objectives will be developed to bridge the gaps to achieve universal coverage. (AMRUT Guidelines; para 6.2 & 6.3, Annexure-2; Table 2.1). Each of the identified objectives will be evolved from the outcome of assessment and meeting the opportunity to bridge the gap.

Question: List out initiatives undertaken in different ongoing programs and projects to address these gaps. For this provide details of ongoing projects being carried out for sewerage system under different schemes with status and when the existing projects are scheduled to be completed? Provide information in Table

Table: Status of Ongoing/ Sanctioned

S.No.	Name of Project	Scheme Name	Cost in RsCrore	Month of Complition	Status (as on dd mm 2015)
-	-	-	-	-	-

Question: How much the existing system will able to address the existing gap in sewerage system? Will completion of above will improve the coverage of network and collection efficiency? If yes, how much. (100 words)

There is no ongoing project in the city.

Question: Does the city require additional infrastructure to improve the services? What kind of services will be required to fulfill the gap?

The City is in desperate need of Infrastructure for Treatment and Networking of Sewerage Pipelines.

Question: How does the city visualize to take the challenge to rejuvenate the projects by changing their orientation, away from expensive asset replacement programs, to focusing on optimum use of existing assets?

The existing assets are obsolete and outdated the total infrastructure needs to be developed to cater the sewerage need of the city.

Provide information in Table 2.6

Table 2.6: Demand Gap Assessment

COMPONENT	**2015**			**2021**	
	Existing	Ongoing projects	Total	Demand	Gap
Sewerage network (km)	215 KM	0	215	1200	985 KM
No of Households covered under sewerage	58639 HH	0	58639 HH	201752 HH	143113 HH
No of Households covered under Septage system	137342 HH		141590 HH	201752 HH	64410 HH
Sewerage Treatment Plant (MLD)	0 MLD	0	0	**108 MLD**	**108 MLD**

Based on assessment of existing infrastructure and ongoing / sanctioned projects, calculate existing gaps and estimated demand by 2021 for sewerage network, number of household to be provided with connections, and required enhancement in capacity of STP (MLD), area to be covered under 7rganiz management. Based on the demand and gap assessment, evolve objectives to achieve bridging these gap.

Question: Does each identified objectives will be evolved from the outcome of assessment? (75 words)

Yes, the main objective of ULB Bareilly is:-
IEC for preventing the open deification
Construction of individual & community latrines
Refurbishment of the Central Sewerage Line
Construction of bio-digester for treatment of waste
Decentralized Septage management

Question: Does each objective meet the opportunity to bridge the gap? (75 words)

Yes, upto certain extend but without STP's in the city , the gap could not be fulfilled upto the expected marks.

3. EXAMINE ALTERNATIVES AND ESTIMATE COST

The objective will lead to explore and examine viable alternatives options available to address these gaps. These will include out of box approaches. (AMRUT Guidelines; Para 6.4 & 6.8 & 6.9). This will also include review of smart solutions. The cost estimate with broad source of funding will be explored for each alternative. While identifying the possible activities, also examine the ongoing scheme and its solutions including status of completion, coverage and improvement in O&M. Please reply following questions in not more than 200 words.

Question: What are the possible activities and source of funding for meeting out the objectives?

SBM- IEC for preventing the open deification
SBM- Construction of individual & community latrines
AMRUT/ State Govt. - Treatment of waste
AMRUT/ State Govt. - Expansion of Sewerage line to increase coverage.
AMRUT/ State Govt. - Decentralized Septage management by biodigester

Question: How can the activities be converged with other programmes like JICA/ ADB funded projects in the city etc?

IEC for preventing the open deification & Construction of individual & community latrines will be converged with SBM.

Question: What are the options of completing the ongoing activities?

There are no ongoing activities.

Question: How to address the bottlenecks in the existing project and lessons learnt during implementation of these projects?

There is no ongoing Project.

Question: Has projects includes O&M of sewerage system?

There are no ongoing activities.

Question: What measures may be adopted to recover the O&M costs? Can the option of sale of treated wastewater be applicable to recover the O&M cost.

Yes, Municipal Corporation Bareilly will sell the manure for irrigation and also impose charges to collect the waste from the households to recover the O & M cost and utilize treated waste water for revenue generation .

Question: What are innovative alternative solutions explored in achieving objectives?

Municipal Corporation Bareilly will explore further possibilities of Decentralized treatment plant.

Question: Are different options of PPP such as Design-build-Operate-Transfer (DBOT), Design Built Finance Operate and Transfer (DBFOT) are considered?

Yes it will be explored during preparation of DPR.

Question: How the recycle and reuse of water will be done? How much quantity of treated water may be reused?

Currently ULB is not using any treated water. Municipal Corporation Bareilly will promote the use of treated water in gardening & agriculture etc.

Question: Have you analysed best practices and innovative solutions in sewerage sector? Is any of the practice be replicated in the city?

Yes therefore we are proposing biodigester for treatment of waste.

Question: Have you identified the areas for decentralized waste treatment system? Explore the approaches for 9rganiz management i.e People Public Private Partnership (PPPP) model or replacing septic tanks by bio-digesters, bioremediation etc.

Yes, Through IEC Municipal Corporation Bareilly will promote replacing septic tank by Bio- digester, bioremediation.

The alternative activities to meet these activities be defined as per Table 2.7
Table2.7 Alternative Activities To Meet Objectives

SL No.	Objective	Activities	Financing Source
1	**IEC for preventing the open defecation in drains and in open areas – 6375 HH x 100 Rs/HH**	**Survey information education and communication activity**	**SBM**
2	CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) **In Nagar Nigam – 4248 HH not having individual latrines** **In census – 6735 HH not having latrine within the premises**	**Construction of Toilets, community & individual**	**Swacchh Bharat Mission**
3	**Septage waste collection and transportation by jetting and suction machines =78703x2m3=157406x.7/300x5x5=14.69=15 2 in current =13 MACHINES X 12 =1.56CR**	**Septic management collection ,transportation to disposal site or treatment site.**	**AMRUT/ State Govt./ULB**
4	**TREATMENT OF SEPTAGE WASTE collected at all House-holds -141590(total)- 58639(sewerage network)= 78703HHx 1.2 m3=94443.6 m3** **BIO DIGESTER COST FOR HOUSEHOLDS** **(78703 HH X 30,000 RS/HH = 236 Cr Rs.)**	**Construction of Bio-digester for recycling of waste production of fuel and energy for household consumption**	**AMRUT/ State Govt./ULB**
5	**Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains 64.5 KM x1.5 cr/km =96.75 CR**	**Construction of sewer network for universal coverage of sewerage network**	**AMRUT/ State Govt./ULB**
6	**LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage (250 kms * .5 Cr = 125 cr)**	**Construction of sewer network for universal coverage of sewerage network**	**AMRUT/ State Govt./ULB**

7	**Treatment of sewerage waste in STP after provisioning for Land required = (108 MLD * 1.5 Cr=160 Cr)**	**Up gradation and capacity building of existing STP 15 MLD**	**AMRUT/ State Govt/ULB**

Citizen Engagement

Each alternative will be discussed with citizens and activities to be taken up will be prioritized to meet the service level gaps. ULB will prioritize these activities and their scaling up based on the available resources. (AMRUT Guidelines; Para 6.6, 6.7 & 7.2). Please reply following questions in not more than 200 words.

Question: Has all stakeholders involved in the consultation?

Yes, Municipal Corporation Bareilly conducted a workshop attended by ward members. Thus all stakeholders involve in the consultations on 18 September, 2015

Question: Has ward / zone level consultations held in the city?

Yes, In Municipal Corporation Bareilly ward/zone level consultations has held under the chairmanship of ward members on 30 June, 2015 and 11 July 2015.

Question: Has alternative proposed above are crowd sourced?

Yes, suggestions and views of the crowd are taken into consideration

Question: What is feedback on the suggested alternatives and innovations?

90% of the people are agreed to Construction of individual & community latrines, transportation and treatment of waste by biodigester & decentralized Septage management by biodigester

Question: Has alternative taken up for discussions are prioritized on the basis of consultations?

Yes, firstly Construction of individual & community latrines & transportation and treatment of waste by biodigester.

Question: What methodology adopted for prioritizing the alternatives?

On importance wise after consultation made in Municipal Corporation Bareilly board meetings firstly Construction of individual & community latrines & transportation and treatment of waste by biodigester.

Prioritize Projects

Based on the citizen engagement, ULB will prioritize these activities and their scaling up based on the available resources to meet the respective objectives. While prioritizing projects, please reply following questions in not more than 200 words.

Question: What are sources of funds?

Construction of STP & transportation and treatment of waste by biodigester project of Municipal Corporation Bareilly are in AMRUT scheme will be done and other is covered under SBM.

Question: Has projects been converged with other program and schemes?

Yes, IEC & Construction of individual and community latrines converge with SBM.

Question: Has projects been prioritized based on "more with less" approach?

Yes the projects are being prioritized based on "more with less" approach universal coverage through IEC activites.

Question: Has the universal coverage approach indiated in AMRUT guidelines followed for prioritization of activities?

Yes

Table S. Conditionality

Describe the Conditionalities of each project in terms of availability of land, environmental obligation and clearances, required NOC, financial commitment, approval and permission needed to implement the project. Please reply following questions in not more than 100 words.

The land for STP and treatment of waste by biodigester & decentralized Septage management by biodigester is yet to be allocated but is under consideration. The same would be included in the DPR.

7. Resilience

Required approvals will be sought from competent authority and 12organizations. The resilience factor would be built in to ensure environmentally sustainable sewerage scheme. Please reply following questions in not more than 100 words.

Yes. Disaster and environmental related factor will be considered while preparation of DPRs

8. Financial Plan

Once the activities are finalized and prioritized after consultations, investments both in terms of capital cost and O&M cost has to be estimated. (AMRUT Guidelines; para 6.5) Based on the investment requirements, different sources of finance have to be identified. Financial Plan for the complete life cycle of the prioritized development will be prepared. (AMRUT Guidelines; para 4, 6.6, 6.12, 6.13 & 6.14). The financial plan will include percentage share of different stakeholders (Centre, State and City) including financial convergence with various ongoing projects. While preparing finance plan please reply following questions in not more than 200 words

Question: Does financial plan for the complete life cycle of the prioritized development?

As per the guidelines of the AMRUT, the structured plan of the project will be developed. In which 50% from GOI and remaining by state and ulb.

Question: Does financial plan include percentage share of different stakeholders (Centre, State, ULBs and)

Bareilly Sewer & Sanitation scheme financed by GOI & State Government project will be financed as per AMRUT guidelines.

Question: Does it include financial convergence with various ongoing projects.

Yes, financial plan prepared for identified projects are based on financial convergence and consultation with funding partners .GOI, STATE & ULB.

Question: Does it provide year-wise milestones and outcomes ?

Yes,

DETAILS IN FINANCIAL PLAN SHALL BE PROVIDED AS PER TABLE 8.1, 8.2, 8.3, 8.4 AND 8.5. THESE TABLES ARE BASED ON AMRUT GUIDELINES TABLES 2.1, 2.2, 2.3.1, 2.3.2, AND 2.5.

Table 8.1 Master Plan of Sewerage Projects for Mission period
(As per Table 2.1of AMRUT guidelines)

(Amount in Rs. Cr)

S.No.	Project Name	Priority number	Year in which to be implemented	Year in which to be completed	Estimated Cost [Cr]
1	IEC for preventing the open deification in drains 6375 HH	1	2015	2019	Covered by SBM
2	CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) In Nagar Nigam – 4248 HH In census – 6735 HH	1	2015	2017	Covered by SBM
3	Septage waste collection and transportation by jetting and suction machines	1	2016	2017	1.56 Cr
4	Treatment of Septage waste collected at all House-holds .78703HHx 6000 BIO DIGESTER FOR HOUSEHOLDS	2	2016	2020	47.22 Cr
	Total				48.78 cr

S.No.	Project Name	Priority number	Year in which to be implemented	Year in which to be completed	Estimated Cost [Cr]
1	**Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains**	**3**	**2015**	**2020**	**96.75 Cr**
2	**LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage**	**4**	**2016**	**2021**	**125.00 Cr**
3	**Treatment of sewerage waste in 108 MLD STP after provisioning for Land required.**	**5**	**2015**	**2020**	**162 .75 Cr**
	Total				**384.50 cr**

8.2 DETAILS OF PRIORITIZED PROJECTS PREPARED UNDER AMRUT DURING CURRENT FY

(As per Table 2.2 of AMRUT guidelines) (Amount in Rs. Cr)

Sr. No.	Project Name	Physical Components	Change in Service Levels			Estimated Cost
			Indicator	**Existing (As-ls)**	**After (To-be)**	
1	**IEC for preventing the open defecation in drains 6375 HH**	IEC and Survey	Coverage	97%	100%	**Covered under SBM**
2	CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) **In Nagar Nigam – 4248 HH In census – 6735 HH**	Construction of Toilets	Coverage	97%	100%	**Covered under SBM**

Sr. No.	Project Name	Physical Components	Change in Service Levels			Estimated Cost
			Indicator	**Existing (As-ls)**	**After (To-be)**	
3	**Septage waste collection and transportation by jetting and suction machines = 13**	Purchasing of equipments	Treatment	0	100%	**1.56 Cr**
4	**Treatment of Septage waste collected at all House-holds .78703HHx 2m3=157406 m3 BIO DIGESTER FOR HOUSEHOLDS**	Construction of Bio digester	Treatment	0	100%	**236 Cr**
5	**Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains**	Refurbishment of Current Sewer Lines 64 Km length	Coverage	36.6%	40%	**96.75 Cr**
6	**LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage**	250 Km length OF network	Coverage of sewer network	36.6%	70%	**125 CR**
7	**Treatment of sewerage waste in 108 MLD STP after provisioning for Land required.**	108 MLD STP(2021 POP)	Treatment	0%	100%	**162 Cr**
Total						**621.31Cr**

TABLE-8.3: ANNUAL FUND SHARING PATTERN FOR SEWERAGE PROJECTS

(As per Table 2.3.1 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Name of Project	Total Project Cost	Share				
			GOI	**State**	**ULB**	**Others**	**Total**
1	**IEC for preventing the open defecation in drains 6375 HH**		-	-	-	-	**-**
2	CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) **In Nagar Nigam – 4248 HH** **In census – 6735 HH**		-	-	-	-	**-**
3	**Septage waste collection and transportation by jetting and suction machines = 13**	**1.56 Cr**	0.78	0.312	0.468	-	**1.56 Cr**
4	**Treatment of Septage waste collected at all House-holds .78703HHx 2m3=157406 m3** **BIO DIGESTER FOR**	**236 Cr**	118	47.2	70.8	-	**236 Cr**

Sr. No.	Name of Project	Total Project Cost	Share				
			GOI	State	ULB	Others	Total
	HOUSEHOLDS						
5	**Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains**	**96.75 Cr**	48.375	19.35	29.025	-	**96.75 Cr**
6	**LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage**	**125 CR**	62.5	25	37.5	-	**125 CR**
7	**Treatment of sewerage waste in 108 MLD STP after provisioning for Land required.**	**162 Cr**	81	32.4	48.6	-	**162 Cr**
	Total	**621.31 Cr**	310.655	124.262	186.393	-	**621.31 Cr**

TABLE-8.4: ANNUAL FUND SHARING BREAK-UP FOR SEWERAGE PROJECTS

(As per Table 2.3.2 of AMRUT guidelines)

Sr. No.	Project	GOI	State	ULB	Convergence	others	Total

			14th FC	**Others**	**Total**	**14th FC**	**Others**	**Total**			
1	**IEC for preventing the open defecation in drains 6375 HH**	**-**	-	-	-	-		-			**-**
2	CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) **In Nagar Nigam – 4248 HH** **In census – 6735 HH**	**-**	-	-	-	-					**-**
3	**Septage waste collection and transportation by jetting and suction machines = 13**	0.78	-	0.312	1.092	-	0.468	1.56			1.56
4	**Treatment of Septage waste collected at all House-holds .78703HHx 2m3=157406 m3** **BIO DIGESTER FOR HOUSEHOLDS**	118	-	47.2	165.2	-	70.8	236			236
5	**Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains**	48.375	-	19.35	67.725	-	29.025	96.75			96.75
6	**LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage**	62.5	-	25	87.5	-	37.5	125			125

Sr. No.	Project	GOI	State			ULB			Convergence	others	Total
			14th FC	Others	Total	14th FC	Others	Total			
7	**Treatment of sewerage waste in 108 MLD STP after provisioning for Land required.**	81	-	32.4	113.4	-	48.6	162			162
	Total	8.0	-	124.62	434.917	-	186.393	621.31			621.31

TABLE-8.5: YEAR WISE PLAN FOR SERVICE LEVELS IMPROVEMENTS

(As per Table 2.5of AMRUT guidelines)

Proposed Projects	Project Cost	Indicator	Baseline	Annual Targets (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
IEC for preventing the open defecation in drains 6375 HH	**-**	100	0	10	50	75	100	100	

Proposed Projects	Project Cost	Indicator	Baseline	Annual Targets (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
CONSTRUCTION OF LATRINES (INDIVIDUAL OR COMMUNITY) **In Nagar Nigam – 4248 HH** **In census – 6735 HH**	**-**	100	0	10	20	50	75	100	
Septage waste collection and transportation by jetting and suction machines = 13	**1.56 Cr**	100	0	20	40	60	80	100	
Treatment of Septage waste collected at all House-holds .78703HHx 2m3=157406 m3 **BIO DIGESTER FOR HOUSEHOLDS**	**236 Cr**	100	0	0	20	30	40	100	
Refurbishment of current sewer network to achieve universal coverage or to convert drains into sewer drains	**96.75 Cr**	100	0	0	36.6	40	40		

Proposed Projects	Project Cost	Indicator	Baseline	Annual Targets (Increment from the Baseline Value)					
				FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
				H1	H2				
LAYING OF NEW SEWERAGE NETWORK to achieve universal coverage of sewerage	**125 CR**	100	36.6	0	0	0	0	70	100
Treatment of sewerage waste in 108 MLD STP after provisioning for Land required.	**162 Cr**	100	0	0	0	100			
	621.31 Cr								

Submitter Info

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