

City Name –Azamgarh

Sewerage and Septage Management

1. Assess the Service Level Gap

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 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)

Master Plan of AZAMGARH is with Azamgarh Development Authority; There is DPR of sewerage available in the city. Zone-wise information is there. Sewerage network is available in Zone-I only. DATA OF CENSUS 2011 IS AVAILABLE WITH NAGAR PALIKA PARISHAD AZAMGARH.

Area Name	Source Of Information	Availability of Latrine	Total number of households	Latrine available	Latrine not available
(NPP)	As per census 2011 available	Population -110983			
		Total number of households	15428	12631	2797
		Within premises	12511	11223	1288
		Near premises	1924	1040	884
		Away	993	368	625
	Departmental Survey Data Of NPP as per 2015		18474	16709	1765

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	MOUD Benchmark	Reliability
1	Coverage of latrines (individual or community)	90.44%	100%	D
2	Coverage of sewerage network services	9.37%	100%	D
3	Efficiency of collection of sewerage	0.00%	100%	A
4	Efficiency in Treatment: Adequacy of sewerage treatment capacity	0.00%	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)= 100%
2. Gap in Coverage of sewerage network services= 90.63%
3. Gap in Efficiency of collection of sewerage=100%
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)

City has separate drainage system but those areas where sewer-line has been laid (approximately 14 km), drains of the houses have been connected and no latrines has been connected.

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

Zone	Total number of HH a	Total number of HH with individual or community toilets within walking distance b	Coverage of latrines (%), (b/a)*100%
I	11130	9948	89.38%
II	7344	6761	92.06%
Total	18474	16709	90.45%

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 septage? Provide information in Table

Table: Zone/Ward Wise Coverage of Households

Zone	Total No. of Households(HH) a	Households with Sewerage Network b	Coverage of sewerage network services (b/a)*100%
I	11130	0	0.00%
II	7344	0	0.00%
Total	18474	0	0.00%

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)

14.2 KM sewer line exists in the city, but at present, no HH is connected to sewer network; only drainage are connected.

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)

There is no systematic and organized method to collect and treat waste from septic tanks. Individual HH make clean their septic tank through some private agencies. Some of the HHs has connected their latrines or septic tanks to drainage system.

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)

O&M of the sewerage system in the city is quite grim. No separate staff as well as T&P is there for taking care of the sewerage network. NO routine maintenance is there. Non-skilled sanitary staff only does break down maintenance as and when required.

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's STPs

There is one STP in the city

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

Sr. No.	Location	Capacity (MLD)	Inflow in the STP (MLD)	Efficiency in %
1	No STP is there in the city.			

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

There is no decentralized waste treatment system in the city.

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)

Sewerage generated in city is 9.2 MLD. There is no STP.

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)

As there is no STP, so waste water is not treated.

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	ULB, Azamgarh

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)

It is planned to construct some septic tanks & to lay down more sewer line in the city and the implementation of the projects will be done by Jal Nigam.

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 Rs Crore	Month of Completion	Status (as on DD MM 2015)
01	Laying of sewer line (776 metre)	State sector	0.81 Cr.	31.03.2016	15% work completed till 06.11.2015.

Question: How much the existing system will be 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 a huge gap in sewerage system. After completing the ongoing project, we will have only 15km length of sewer line, that too without proper use.

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

Of course, city requires additional infrastructure viz. STP, T&P for O&M purpose, skilled staff, septic tanks to be built up.

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?

City visualizes taking initiative for IEC work for preventing the open defecation and construction of individual & community latrines, construction of decentralized Septic tanks & Bio-digester for waste collection from septic tank periodically and treatment of waste collected. STP for layed down sewerage network is also required.

Provide information in Table 2.6

Table 2.6: Demand Gap Assessment

Component	2015			2021	
	Existing	Ongoing projects	Total	Demand	Gap
Sewerage network (km)	14.224 km	0.776 km	15 km	25 km	10 km

No of Households covered under sewerage system	0	0	0	2500	2500
No. of HH covered in Septage Management	0	0	0	17821	17821
Sewerage Treatment Plant (20MLD)	0	0	0	13.78 MLD	13.78 MLD

OBJECTIVES

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 septage 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?

Yes,

The main objective of NPP is:-

- 1. IEC activities to get people acquainted with ill-effect of the open defecation.**
- 2. IEC activities for construction of septic tanks + getting connected to existing network.**
- 3. Connection work for getting connected to 2500HHs to the existing sewer network.**
- 4. Rehabilitation and replacement of existing sewer line of 1.0Km.**
- 5. Laying of additional 10 km sewer line to connect another 1000HH.**
- 6. Separation of drainage and sewerage system.**
- 7. Construction of septic tanks in areas available with lands.**
- 8. Construction of Bio-digester for 17821 HH- 02 Nos. of (25 M³) cubic meter each.**
- 9. Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each.**
- 10. Construction of individual & community latrines for 1965 HH.**
- 11. Construction of 1 STP (20 MLD),**
- 12. Maintenance of existing Sewer Pumping Plant (SPP -20 MLD).**

Question: Does each objective meet the opportunity to bridge the gap?

Yes.

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?

The funding for meeting out each objective will 50% from AMRUT and remaining 50% from state and ULB.

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

There are no ongoing project under JICA/ADB.

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

One ongoing project - Laying of 776 m sewer line funded by State govt.

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

The Project is going on.

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

No. NO project includes O & M of sewerage system.

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.

Annual maintenance cost from the HHs will be charged if they get connected to the sewer network. Sale of treated water for agricultural purpose can be done to recover the O&M cost.

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

ULB will move ahead for constructing centralized septic tanks in different places. Suction & jetting m/cs will also be purchased.

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

Not considered yet, but it may be a viable option.

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

Currently NPP is not having any treated water. NPP will popularize to use treated water in gardening & agriculture etc.

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

Not analyzed best practices and innovative solutions in sewerage sector, but now it is the need of the hour to move on to septic tanks & Bio-digester.

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

Yes, Through IEC, NPP will promote individual construction of septic tank.

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 activities to get people acquainted with ill-effect of the open defecation for 1500 HH	Pamphlets, Banners, posters, press notes, door-to-door contacts etc	SBM fund
2	IEC activities for getting connected to existing sewer network for 1500 HH.	Pamphlets, Banners, posters, press notes, door-to-door contacts etc	AMRUT/ State Govt.
3	Construction of individual & community latrines for 1965 HH	Construction of Toilets	SBM fund
4	Connection work for getting connected to 2500HHs to the sewer network	Connection work for getting connected to the sewer network	AMRUT/ State Govt.
5	Rehabilitation and replacement of existing sewer line of 1.0Km	Repair of damaged line	AMRUT/ State Govt.
6	Laying of additional 10 km sewer line to connect another 1000HH	Laying of additional 10 km sewer line to connect another 1000HH	AMRUT/ State Govt.
7	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each	Septage management	AMRUT/ State Govt.
8	Construction of 1 STP (20 MLD),	Construction of 1 STP (20 MLD),	AMRUT/ State Govt.
9	Maintenance of existing Sewer	Maintenance of existing Sewer Pumping Plant	AMRUT/ State Govt.

SL No.	Objective	Activities	Financing Source
	Pumping Plant (SPP -20 MLD).	(SPP -20 MLD).	
1	Separation of drainage and sewerage system	Separation of drainage and sewerage system	AMRUT/ State Govt.
2	Construction of Bio-digester for 17821 HH- 50 Nos. of (25 M³) cubic meter each x 6000 Rs Per Household	Septage management	AMRUT/ State Govt.

4. 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, Nagar Palika Parishad passes the proposals which are put up by ward members. Thus all stakeholders involve in the consultations. Such meeting held on 27.09.2015.

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

Ward/zone level consultations has been held under the chairmanship of ward members on 21 July 2015, 09 Aug 2015, 28 Sep 2015, 11 Oct 2015.

Question: Has alternative proposed above are crowd sourced?

No

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

95% of the people are agreed to Construction of individual & community latrines, transportation and treatment of waste to bio digester& and construction of decentralized Septage management.

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

Yes.

Question: What methodology adopted for prioritizing the alternatives?

Yes, firstly Construction of individual & community latrines & transportation and treatment of waste by bio-digester.

5. 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?

The source of funding of activities shall be: 1. AMRUT, 2. 14th Finance Commission 3. State Government Funds.4 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 activities.

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

Yes, universal coverage approach indicated in AMRUT guidelines followed for prioritization of activities.

6. Conditionalities

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.

Yes, transportation of waste by sewer suction machine & treatment by decentralized Septage management through Bio-Digester. There will be need of land and NOC from concerning deptt. during construction work.

7. Resilience

Required approvals will be sought from competent authority and organizations. 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 (DPR) of the project will be developed. 50% from AMRUT mission and remaining by state and ULB.

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

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
1	IEC activities for getting connected to existing sewer network. (1500 HH x Rs. 70)	1	2017	2020	0.01Cr
2	Connection work for getting connected to 1500HHs to the sewer network @10000/HH	2	2017	2020	1.50 Cr
3	Rehabilitation and replacement of existing sewer line of 1.0Km @ 30	2	2017	2020	0.30 Cr

	lac/km				
4	Laying of additional 10 km sewer line to connect another 1000HH @ 1.2Cr/km	4	2017	2020	12.0Cr
5	Separation of drainage and sewerage system at 5 nos. point @ 30 lac	2	2017	2020	1.5 Cr
6	Construction of 1 STP (20 MLD),	1	2017	2020	25.0Cr
7	Maintenance of existing Sewer Pumping Plant (SPP -20 MLD).	1	2017	2017	0.50 Cr
Total					40.81 Cr
1	Construction of Bio-digester for 17821 HH	3	2017	2020	10.69Cr
2	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	3	2017	2020	0.18Cr
Total					10.87 Cr

MASTER SERVICE LEVELS IMPROVEMENTS DURING MISSION PERIOD

(As per Table 2.2 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr No.	Objective	Activities	Cost(Cr .)	Financing Source
1	IEC activities for getting connected to existing sewer network. (1500 HH x Rs. 70)	(1500 HH x Rs. 70)	0.0105 Cr	AMRUT+ State govt
2	Connection work for getting connected to 1500HHs to the sewer network @10000/HH	1500HHs to the sewer network @10000/HH	1.50 Cr	AMRUT+ State govt
3	Rehabilitation and replacement of existing sewer line of 1.0Km @ 30 lac/km	1.0Km @ 30 lac/km	0.30 Cr	AMRUT+ State govt
4	Laying of additional 10 km sewer line to connect another 1000HH @ 1.2Cr/km	1000HH @ 1.2Cr/km	12.0Cr	AMRUT+ State govt
5	Separation of drainage and sewerage system at 5 nos. point @	5 nos. point @ 30 lac	1.5 Cr	AMRUT+ State govt

	30 lac			
6	Construction of 1 STP (20 MLD),	Construction of 1 STP (20 MLD),	25.0Cr	AMRUT+ State govt
7	Maintenance of existing Sewer Pumping Plant (SPP -20 MLD).	Maintenance of SPP of 20 MLD.	0.50 Cr	AMRUT+ State govt
Total			40.81 Cr	AMRUT+ State govt
1	Construction of Bio-digester for 17821 HH x 6000 Rs	@Rs. 2860 per HH	10.69Cr	AMRUT+ State govt
2	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	3 Nos. m/c@ 6 lac	0.18Cr	AMRUT+ State govt
Total			10.87 Cr	AMRUT+ State govt

MASTER SERVICE LEVELS IMPROVEMENTS DURING MISSION PERIOD

(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-Is)	After (To-be)	
1	IEC activities for getting connected to existing sewer network. (1500 HH x Rs. 70)	(1500 HH x Rs. 70)	Coverage	9.37%	100%	0.01Cr
2	Connection work for getting connected to 1500HHs to the sewer network @10000/HH	1500HHs to the sewer network @10000/HH				1.50 Cr
3	Rehabilitation and replacement of existing sewer line of 1.0Km @ 30 lac/km	1.0Km @ 30 lac/km				0.30 Cr

4	Laying of additional 10 km sewer line to connect another 1000HH @ 1.2Cr/km	1000HH @ 1.2Cr/km				12.0Cr
5	Separation of drainage and sewerage system at 5 nos. point @ 30 lac	5 nos. point @ 30 lac				1.5 Cr
6	Construction of 1 STP (20 MLD),	Construction of 1 STP (20 MLD),	Treatment	00%	100%	25.0Cr
7	Maintenance of existing Sewer Pumping Plant (SPP - 20 MLD).	Maintenance of SPP of 20 MLD.				0.50 Cr
Total						40.81 Cr
1	Construction of Bio-digester for 17821 HH	@Rs. 6000 per HH	Efficiency of coverage	00%	100%	10.69 Cr
2	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	3 Nos. m/c@ 6 lac				0.18Cr
Total						10.87 Cr

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	UL B	Others	Total
1	IEC activities for getting connected to existing sewer network.(1500 HH x Rs. 70)	0.01Cr	0.005	0.005	-	-	0.01Cr
2	Connection work for getting connected to 1500HHs to the sewer network @10000/HH	1.50 Cr	0.75	0.75	-	-	1.50 Cr
3	Rehabilitation and replacement of existing sewer line of 1.0Km @ 30 lac/km	0.30 Cr	0.15	0.15	-	-	0.30 Cr
4	Laying of additional 10 km sewer line to connect another 1000HH @ 1.2Cr/km-	12.0Cr	6 Cr	6 Cr	-	-	12 Cr
5	Separation of drainage and sewerage system at 5 nos. point @ 30 lac	1.5 Cr	0.75	0.75	-	-	1.5 Cr
6	Construction of 1 STP (20 MLD),	25 Cr	12.5	12.5	-	-	25Cr
7	Maintenance of existing Sewer Pumping Plant (SPP -20 MLD).	0.50 Cr	0.25	0.25	-	-	0.50 Cr
Total		40.81 Cr	20.405 Cr	20.405 Cr			40.81 Cr
1	Construction of Bio-digester for 17821 HH	10.69 Cr	5.345 Cr	5.345 Cr	-	-	10.69 Cr
2	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	0.18Cr	0.09	0.09	-	-	0.18Cr
	Total	10.87 Cr	5.435 Cr	5.435 Cr	-	-	10.87 Cr

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 activities for getting connected to existing sewer network. (1500 HH x Rs. 70)	50%		50%	50%						100%
2	Connection work for getting connected to 1500HHs to the sewer network @10000/H H	50%		50%	50%						100%
3	Rehabilitation and replacement of existing sewer line of 1.0Km @ 30 lac/km	50%		50%	50%						100%
4	Laying of additional 10 km sewer line to connect another 1000HH @ 1.2Cr/km	50%		50%	50%						100%
5	Separation of drainage and sewerage system at 5	50%		50%	50%						100%

Sr. No.	Project	GOI	State			ULB			Convergence	others	Total
			14th FC	Others	Total	14th FC	Others	Total			
	nos. point @ 30 lac										
6	Constructio n of 1 STP (20 MLD),	50%		50%	50%					100%	
7	Maintenanc e of existing Sewer Pumping Plant (SPP - 20 MLD).	50%		50%	50%					100%	
1	Construct ion of Bio- digester for 17821 HH	50%		50%	50%					100%	
2	Purchasi ng of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	50%		50%	50%					100%	

Coverage and Efficiency of collection of	Construction of Bio-digester for 17821 HH X 6000 Rs	10.69 Cr	100 %	0%			20%	50%	80%	100 %
Efficiency of collection of sewerage	Purchasing of sewer suction and jetting machine 3 Nos. 5 cubic meter each @ 6 lac	0.18 Cr					20%	50%	80%	100 %
Total		10.87 Cr								

Submitter Info

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