

# NAME OF ULB SHAMLI

## Water Supply

### 1. Assess the Service Level Gap

The first step is to assess the existing situation and service levels gaps for Water Supply (AMRUT Guidelines; para 3 & 6). This will also include existing institutional framework for the sector. 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 water supply system of the city? Detail out the data, information, plans, reports etc related to sector. Is zone wise information available? (75 words)

**Nagar Palika Parishad Shamli is the implementing agency and the departmental data has been used as the baseline information for the preparation of the Service Level Improvement Plan. City is divided into 25 wards and ward wise information has been provided.**

Question: Have you collected census 2011 data? Are you aware of baseline survey data of MoUD? Have you correlated data from these and other sources? (75 words)

**Yes. Data of census 2011 is available with Nagar Palika Parishad Shamli and the source is NIC. Nagar Palika Parishad Shamli aware of MOUD survey data. The data available is being used as reference to develop the slip.**

	Location of source of drinking water Population	Total Number of Households	Tapwater from treated source
Total Population (Census, 2011)	Population-107233		
	Total	18697	11900
	Within the premises	16967	11565
	Near the premises	991	296
	Away	738	39
Departmental Data (2015)	Population-115450	26562	14774 *

\*As per the existing data of ULB

What are existing service levels for water supply in the city? What is the coverage of water supply Connections? What is per capita supply of water? How much is the extent of metering? How much is non-revenue water? Provide information in table

Table: Status of Water Supply service levels

Sr. No.	Indicators	Present Status	MOUD Benchmark	Reliability
1	Coverage of water supply connections (14774/26562)	55.62%	100%	D
2	Per capita supply of water ( 20.6MLD/0.115)	179LPCD	135 LPCD	D
3	Extent of metering of water connections	0%	100%	A
4	Extent of non-revenue water	40 %	20%	D
5	Quality of water supplied	80 %	100%	D
6	Cost recovery in water supply services	63.73%	100%	D
7	Efficiency in collection of water supply related charges	70%	90%	D

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

1. Coverage of water supply connections gap is 44.38 %
2. Per capita supply of water gap is 0 LPCD
3. Extend of metering of water connections gap is 100%
4. Extend of non-revenue water gap is 20%
5. Quality of water supplied gap 20 %
6. Cost recovery in water supply services gap is 36.27%
7. Efficiency in collection of water supply related charges gap is 20%

## SOURCE OF WATER AND WATER TREATMENT SYSTEM.

Please provide information in 150 words on the above responding to (however not limited to) following questions.

Question: What is the existing source of water? Is it surface water source or under ground water source? What is the capacity of these sources?

**Existing source of water is underground water, total no of tub well is 46(39 mini tubewell+7).Capacity of these sources 46 Tube well = 20.6 MLD**

Question: Is there any treatment provided to water from these sources? How much water is required to be treated daily? What is the treatment capacity installed in the city?

**Water is supplied after chlorination. Approximately 20.6MLD of water is supplied after chlorination and the chlorination capacity is adequate.**

Question: What per capita water supply in LPCD (liter per capita per day) comes out, if you divide total water supply by the total population.?

**Source of water Capacity 20.6 MLD and Per Capita of Water Supply is  $=20.6 \text{ MLD}/0.115= 179.13$  LPCD with NRW**

## DISTRIBUTION ZONES

Please provide information in 150 words on the above responding to (however not limited to) following questions.

Question: City is divided in how many zones for water supply ?

**City is not divided into zones but there are 25 wards for water supply in Nagar Palika Parishad Shamli.**

Table: Zone Wise Coverage of Households

Question: Provide details of total no of Households (HH) in each zone, no of HH with and without water tap connections in the Table

<b>Ward No.</b>	<b>Total No. of Households</b>	<b>Households with Water tap Connection</b>	<b>Households without Water tap Connection</b>
1	965 HH	536 HH	429 HH
2	768 HH	427 HH	341 HH
3	925 HH	514 HH	411 HH
4	912 HH	507 HH	405 HH
5	750 HH	417 HH	333 HH
6	923 HH	513 HH	410 HH
7	1058 HH	588 HH	470 HH
8	1278 HH	710 HH	568 HH
9	1219 HH	678 HH	541 HH
10	870 HH	483 HH	387 HH
11	1178 HH	655 HH	523 HH

12	1420 HH	789 HH	631 HH
13	1498 HH	833 HH	665 HH
14	995 HH	553 HH	442 HH
15	994 HH	552 HH	442 HH
16	992 HH	551 HH	441 HH
17	1045 HH	581 HH	464 HH
18	1299 HH	722 HH	577 HH
19	1148 HH	638 HH	510 HH
20	1098 HH	610 HH	488 HH
21	795 HH	442 HH	353 HH
22	960 HH	533 HH	427 HH
23	739 HH	415 HH	324 HH
24	1735 HH	965 HH	770 HH
25	998 HH	562 HH	436 HH
<b>Total</b>	<b>26562 HH</b>	<b>14774 HH</b>	<b>11788 HH</b>
<p><b>As per the departmental data total number of household is 26562 and as per the census total household is 18697 in this above statement as per departmental data 11788 HH without tap connection and as per census 6797 HH without tap water connection</b></p>			

## STORAGE OF WATER

Please provide information in 150 words on the above responding to (however not limited to) following questions.

Question: What is the total water storage capacity in the city? What is capacity of elevated and ground water reservoirs?

**In Nagar Palika Parishad Shamli water production is 20.6 MLD and 2elevatedreservoirs andthe storage capacity is 3.18 ML.**

Question: In case of surface water, does city need to have ground level reservoirs to store raw treated water?

**No Nagar Palika Parishad Shamli does not require ground level reservoirs.**

Question: Is water being supplied to consumers through direct pumping or through elevated reservoirs?

**In Nagar Palika Parishad Shamli water is being supplied to consumers through direct pumping as well as elevated reservoirs.**

Question: Is storage capacity sufficient to meet the cities demand?

**No storage capacity is not sufficient to meet the city demand, In Nagar Palika Parishad Shamli water production is 20.6MLD and storage capacity is 3.18 ML 20 MLD/3 = 5MLD Required but existing storage capacity is 3.18 ML ( 5ML-3.1 ML = 1.9 ML )**

## DISTRIBUTION NETWORK

Please provide information in 150 words on the above responding to (however not limited to) following questions.

Question: What is the total length of water supply distribution pipe line laid in the city?

**The total length of water supply distribution pipe line is 264.6 KM.**

Question: What is the total road length in the city? Is the pipe lines are laid in all streets? Is the objective of universal coverage of water supply pipe line is achieved?

**The total road length is 272.43 KM. Pipe lines are not laid in 7.83 KM and universal coverage of water supply is not achieved.**

Question: What are the kind of pipe materials used in distribution lines?

**PVC,DI, CI and GI pipe materials used in distribution lines.**

Question: Provide zone wise details of street length with and without water distribution lines in the Table?

Table: Zone Wise length of distribution network

<b>Ward No.</b>	<b>Total Street Length</b>	<b>Street length with water distribution pipe line</b>	<b>Street length without water distribution pipe line</b>
1	7.3 KM	7 KM	0.3 KM
2	11.55 KM	11 KM	0.55 KM
3	8.25 KM	8 KM	0.25 KM
4	9.35 KM	9 KM	0.35 KM

<b>Ward No.</b>	<b>Total Street Length</b>	<b>Street length with water distribution pipe line</b>	<b>Street length without water distribution pipe line</b>
5	12 KM	12 KM	0 KM
6	6.5 KM	6.5 KM	0 KM
7	14.85 KM	14.2 KM	0.65 KM
8	10.6 KM	10 KM	0.6 KM
9	12.05 KM	11.3 KM	0.75 KM
10	14.5 KM	14.5 KM	0 KM
11	13.5 KM	13 KM	0.5 KM
12	13.3 KM	12.5 KM	0.8 KM
13	9.05 KM	8.5 KM	0.55 KM
14	12 KM	12 KM	0 KM
15	8.5 KM	8.5 KM	0 KM
16	7.5 KM	7.5 KM	0 KM
17	12.5 KM	12 KM	0.5 KM
18	14.65 KM	14 KM	0.65 KM
19	12.5 KM	12.5 KM	0 KM
20	7.7 KM	7.5 KM	0.2 KM

Ward No.	Total Street Length	Street length with water distribution pipe line	Street length without water distribution pipe line
21	8.8 KM	8.5 KM	0.3 KM
22	14 KM	14 KM	0 KM
23	8.78 KM	8.6 KM	0.18 KM
24	16.7 KM	16 KM	0.7 KM
25	6 KM	6 KM	0 KM
<b>Total</b>	<b>272.43KM</b>	<b>264.6KM</b>	<b>7.38KM</b>

## INSTITUTIONAL FRAMEWORK

Please provide information in 150 words on the above responding to (however not limited to) following questions.

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

Table: Functions, roles, and responsibilities

Planning and Design	Construction/ Implementation	O&M
UP JAL NIGAM SHAMLI	JAL NIGAM SHAMLI	N.P.P. SHAMLI ON CONTRACT BASE

Question: How city is planning to execute projects ?

**The execution of the projects will be done as per instructions given by the state government as well as MOUD & smaller projects like branch lines, gaps in pipe lines will be done by Nagar Palika Parishad Shamli and nodal agency Jal Nigam Shamli.**

Question: Shall the implementation of project be done by Municipal Corporation or any parastatal body? Please refer para 8.1 of AMRUT guidelines.

**Implementation of the project shall be done by Nagar Palika Parishad Shamli as well as State Level Parastatal Agency U.P. Jal Nigam. Nagar Palika Parishad Shamli will follow the para 8.1 of the AMRUT Guidelines while execution of the project.**

## 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 sector 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	Month of Compilation	Status (as on dd mm 2015)
-	-	-	-	-	-

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

**NA**

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

**Yes. City required additional work like regularization of unregistered connections (695 HH), and to motivate citizens to take connection (3923 HH) will increase coverage and reduction of NRW, Improve Quality of Water as well as metering will improve efficiency of collection and operation.**

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

**Nagar Palika Parishad Shamli will make its people aware of the importance of drinking water. Nagar Palika Parishad Shamli will make efforts by meetings & registering water connections by advertisements.**

Question: Has city conducted assessment of Non Revenue Water? If yes, what is the NRW level? Is city planning to reduce NRW?

**City has not conducted any assessment related to NRW Nagar Palika Parishad Shamli have approximate NRW level is 40 %**

Question: Based on assessment of existing infrastructure and ongoing / sanctioned projects, calculate existing gaps and estimated demand by 2021 for water supply pipe network, number of household to be provided with tap connections, and required enhancement in capacity of water source/ treatment plant (MLD). Gaps in water supply service levels be provided as per Table

Component	2015			2021	
	Present	Ongoing	Total	Demand	Gap
Source	20.6 MLD	-	20.6 MLD	17.4 MLD	Surplus
Treatment capacity	20.6 MLD	-	20.6 MLD	17.4 MLD	Surplus
Elevated Storage capacity	3.18ML	-	3.18ML	5.8 ML	2.62 MLD
Distribution network coverage	264.6 KM	-	264.6 KM	272.43KM	7.83KM

## OBJECTIVES

PBased on above, objectives will be developed to bridge the gaps to achieve universal coverage. While developing objectives following question shall be responded so as to arrive at appropriate objective.

Please provide List out objectives to meet the gap in not more than 100 words.

Question: Does each identified objectives will be evolved from the outcome of assessment?

- **Regularization of unauthorized connection 695 HH**
- **Universal Coverage by laying of pipe line 7.83 KM in uncovered area**
- **Providing elevated storage of 2.62 MLD**
- **Reduction of NRW by Leakage Detection Replacement of old pipe line 15 KM**
- **Improve the quality of Water through establishment of Lab and implementation of online water testing and Monitoring System**
- **Efficiency of charges collection-. Metering system in water supply system and online billing, tracking system & spot billing machine.**

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. While identifying the possible activities, also examine the ongoing scheme and its solutions including status of completion, coverage and improvement in O&M. Please provide information on the above responding to (however not limited to) following questions.

Question: What are the possible activities and source of funding for meeting out the objectives? (75 words)

**The funding for meeting out the each objective will 50% from AMRUT and remaining 50% from state and Nagar Palika Parishad Shamli.**

Question: How can the activities be converged with other programme like JICA/ ADB funded projects in the city etc? (100 words)

**There are no ongoing project under JICA/ADB but activities is converged with UIDSSMT**

Question: What are the options of completing the ongoing activities? (75 words)

**There is no any ongoing schemes in Shamli.**

Question: How to address the bottlenecks in the existing project and lessons learnt during implementation of these projects? (75 words)

**In Nagar Palika Parishad Shamli there is a staff shortage for running the project and focusing toward enhancement of coverage. During the implementation of water supply scheme awareness among public was most challenging activities.**

Question: What measures may be adopted to recover the O&M costs? (100 words)

**Nagar Palika Parishad Shamli will minimize non-revenue water by regularizing unregistered water connections & make more efforts from collection staff & introducing metering system & automation of tube wells.**

Question: Will metering system for billing introduced?

**Yes. Nagar Palika Parishad Shamli will introduce metering system for billing under AMRUT scheme.**

Question: Whether reduction in O&M cost by addressing NRW levels be applied? (75 words)

**By regularizing of water connection through IEC activities, Introduce metering of water connections, improve the collection efficiency.**

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

YES.

## THE ALTERNATIVE ACTIVITIES TO MEET THESE ACTIVITIES BE DEFINED AS PER TABLE

Table: Alternative Activities To Meet Objectives

Sr. No.	Objective	Activities	Cost (Cr)	Financing Source
1	To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HHNPPX</b> Rs. 5179	0.36Cr	AMRUT/State and ULBs
		Laying of Pipe line in uncovered areas – <b>7.83 KM(NPP) X 0.28Cr</b>	2.19 Cr	AMRUT/State and ULBs
2	To make the system efficient by reduction of NRW water	Replacement of Old Line is <b>15 KM X 0.28Cr</b>	4.2 Cr	AMRUT/State and ULBs
		Leakage Detection for 120 points x 2000	0.02cr	AMRUT/State and ULBs
		Metering of 26562 HH X 2500 Rs	6.64 Cr	AMRUT/State and ULBs
3	Per capita of Water Supply	<b>02</b> Over Head Tanks of total capacity 2.62 MLD	3.14cr	AMRUT/State and ULBs
4	To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	0.40cr	AMRUT/State and ULBs
5	Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot billing machine	0.50cr	AMRUT/State and ULBs
	<b>Total</b>		<b>17.45 Cr</b>	

## 4. Citizen Engagement

ULBs will organize and conduct city level citizen consultation and receive feedback on the suggested alternatives and innovations. 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 explain following questions in not more than 200 words detailing out the needs, aspirations and wishes of the local people.

Question: Has all stakeholders involved in the consultation?

**Nagar Palika Parishad Shamli passes the proposals which are put up by ward members. Thus all stakeholders involve in the consultations on 30<sup>th</sup> April 2015**

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

**In Nagar Palika Parishad Shamli ward/zone level consultations has held under the chairmanship of ward memberson 2rd October, 2015 ward no-5, 7<sup>th</sup> October,2015 ward no-12,7,5**

Question: Has alternative proposed above are crowd sourced?

**No**

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

90% of the people are agreed to regularization of connection and improvement of quality of water supply & metering of water connections.

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

**Yes.**

Question: What methodology adopted for prioritizing the alternatives?

**After the consultation made in Nagar Palika Parishad Shamli board meetings as the discussion regularization of water connections ,laying of pipe lines, metering of water connections, establishment of Lab .**

## 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**

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

**There is no other scheme running in the city.**

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 indiated in AMRUT guidelines followed for prioritization of activities?

YES

## 6. Conditionalities

Describe in not more than 300 words 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.

**Public awareness to increase the coverage of water supply, Augmentation of water supply system  
No need of Land, environment clearance and NOC for meet the GAP for universal coverage and quality of water.**

## 7. Resilience

Required approvals will be sought from ULBs and competent authority and resilience factor would be built in to ensure environmentally sustainable water supply scheme. Describe in not more than 300 words regarding resilience built in the proposals.

**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 250 words

Question: How the proposed finance plan is structured for transforming and creating infrastructure projects?

**As per the guidelines of the AMRUT, the structured plan of the project will be developed. The share of State and ULB will be decided in High power committee.**

Question: list of individual projects which is being financed by various stakeholders?

**There is no such individual project.**

Question: Has financial plan prepared for identified projects based on financial convergence and consultation with funding partners?

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

Question: Is the proposed financial structure is sustainable? If so then whether project has been categorized based on financial considerations ?

**Yes, the proposed financial structure is sustainable and project has been categorized based on financial considerations.**

Question: Have the financial assumptions been listed out ?

**Yes, financial assumptions have been listed out**

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

**Yes, financial plan has been done for the complete life cycle of the prioritized development**

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

**Yes, financial plan include percentage share of different stakeholders (Centre, State and ULB)**

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

**Yes, it includes financial convergence with various ongoing projects**

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

**Yes, year-wise milestones and outcomes have been provided.**

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 Water Supply Projects for Mission period  
(As per Table 2.1of AMRUT guidelines)

(Amount in Rs. Cr)

S.No.	Objective	Project Name	Priority number	Year in which to be implemented	Year in which to be completed	Estimated Cost Cr
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1	To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HHNPPX</b> Rs. 5179	1	2017	2020	0.36Cr
		Laying of Pipe line in uncovered areas – <b>7.83 KM(NPP)</b> X 0.28Cr				2.19 Cr
2	To make the system efficient by reduction of NRW water	Replacement of Old Line is <b>15 KM</b> X 0.28Cr	2	2017	2020	4.2 Cr
		Leakage Detection for 120 points x 2000				0.02cr
		Metering of 26562 HH X 2500 Rs				6.64 Cr
3	Per capita of Water Supply	<b>02</b> Over Head Tanks of total capacity 2.62 MLD	3	2017	2020	3.14cr
4	To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	4	2017	2020	0.40cr
5	Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot	5	2017	2020	0.50cr
<b>Total</b>						<b>17.45 Cr</b>

## 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	To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HHNPPX</b> Rs. 5179	IEC Activities for 3923 HH X 50 Rs	100%	55.62%	100%	<b>0.36Cr</b>
		Laying of Pipe line in uncovered areas – <b>7.83 KM(NPP)</b> X 0.28Cr	Pipe line in uncovered areas – <b>7.83 KM(NPP)</b> X 0.28Cr				2.19 Cr
2	To make the system efficient by reduction of NRW water	Replacement of Old Line is <b>15 KM</b> X 0.28Cr	Replacement of Old Line is <b>15 KM</b>	20%	40%	20%	4.2 Cr
		Leakage Detection for 120 points x 2000	Leakage Detection for 120 points				0.02cr
		Metering of 26562 HH X 2500 Rs	Metering of 26562 HH				6.64 Cr
3	Per capita of Water Supply	<b>02</b> Over Head Tanks total capacity 2.62 MLD	02.62 X 1.2/mld Cr=3.14	135 LPCD	179 LPCD	135 LPCD	<b>3.14cr</b>
4	To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	100%	80%	100%	<b>0.40cr</b>
5	Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot billing machine	Metering system in water supply system, and online billing, tracking system & spot billing machine	90%	70%	90%	<b>0.50cr</b>
Total							<b>17.45 Cr</b>

# ANNUAL FUND SHARING PATTERN FOR WATER SUPPLY PROJECTS

(As per Table 2.3.1 of AMRUT guidelines)

(Amount in Rs. Cr)

Sr. No.	Objective	NAME OF PROJECT	Total Project Cost	Share				
				GOI	State	U L B	Ot her s	Total
1	To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HHNPPX</b> Rs. 5179	<b>0.36Cr</b>	50%	50%	0	0	100%
		Laying of Pipe line in uncovered areas – <b>7.83 KM(NPP)</b> X 0.28Cr	2.19 Cr	50%	50%	0	0	100%
2	To make the system efficient by reduction of NRW water	Replacement of Old Line is <b>15 KM</b> X 0.28Cr	4.2 Cr	50%	50%	0	0	100%
		Leakage Detection for 120 points x 2000	0.02cr	50%	50%	0	0	100%
		Metering of 26562 HH X 2500 Rs	6.64 Cr	50%	50%	0	0	100%
3	Per capita of Water Supply	<b>02</b> Over Head Tanks total capacity 2.62 MLD	3.14 cr	50%	50%	0	0	100%
4	To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	0.40cr	50%	50%	0	0	100%

5	Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot billing machine	0.50cr	50%	50%	0	0	100%
		TOTAL	<b>17.45 Cr</b>	50%	50%	0	0	100%

## ANNUAL FUND SHARING BREAK-UP FOR WATER SUPPLY PROJECTS

(As per Table 2.3.2 of AMRUT guidelines)

Sr. No.	Objective	Project	GOI	State			ULB			Convergence	Others	Total
				14th FC	Others	Total	14th FC	Others	Total			
1	To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HHNPPX</b> Rs. 5179	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
		Laying of Pipe line in uncovered areas – <b>7.83 KM(NPP)</b> X 0.28Cr	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
2	To make the system efficient by reduction	Replacement of Old Line is <b>15 KM</b> X 0.28Cr	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
		Leakage Detection for 120 points x 2000	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>

Sr. No.	Objective	Project	GOI	State			ULB			Convergence	Others	Total
				14th FC	Others	Total	14th FC	Others	Total			
	n of NRW water	Metering of 26562 HH X 2500 Rs	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
	Per capita of Water Supply	<b>02</b> Over Head Tanks total capacity 2.62 MLD	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
	To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments.	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
	Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot billing machine	50%	-	50%	50%	-	-	-	-	-	<b>100%</b>
			50%	-	50%	50%	-	-	-	-	-	<b>100%</b>

YEAR WISE PLAN FOR SERVICE LEVELS IMPROVEMENTS(As per Table 2.5of AMRUT guidelines)

Objective	Proposed Projects	Project Cost	Indicator	Base line	Annual Targets (Increment from the Baseline Value)					
					FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
					H1	H2				
To achieve the universal coverage	To universal coverage by regularizing unauthorized connection - <b>695 HH</b> NPPX Rs. 5179	<b>0.36Cr</b>	Coverage	55.62	-	-	60%	75%	90%	100%
	Laying of Pipe line in uncovered areas – <b>7.83 KM</b> (NPP) X 0.28Cr	2.19 Cr								
To make the system efficient by reduction of NRW water	Replacement of Old Line is <b>15 KM</b> X 0.28Cr	4.2 Cr	NRW	<b>40%</b>	-	-	35%	30%	25%	20%
	Leakage Detection for 120 points x 2000	0.02cr								
	Metering of 26562 HH X 2500 Rs	6.64 Cr								
Per capita of Water Supply	<b>02</b> Over Head Tanks total capcity 2.62MLD	3.14 cr								135 lpcd
To improve the quality of water	Establishment of water testing lab(at NPP) and implementation of online water testing & monitoring systems and equipments	0.40cr	Quality of water supplied	80%	-	-	82%	85%	90%	100%
Efficiency of charges collection	Metering system in water supply system, and online billing, tracking system & spot billing machine	0.50cr	Efficiency of charges collection	70.0%	-	-	-	-	80%	90%

Objective	Proposed Projects	Project Cost	Indicator	Base line	Annual Targets (Increment from the Baseline Value)					
					FY 2016		FY 2017	FY 2018	FY 2019	FY 2020
					H1	H2				
	<b>TOTAL</b>	<b>17.45 Cr</b>	-	-	-	-				