

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
PONNANI (M)



District  
MALAPPURAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	SUJITH GOPINATH	ASSISTANT ENGINEER	04942666012	9061464356	meponnani@gmail.com
<b>Mayor.Pre</b>	SIVADASAN ATTUPURATH	NA	04942666236	9567399417	chairmanponnani@gmail.com
<b>Municipal.C/C.Ofc</b>	SUJITH GOPINATH	NA	04942666012	9061464356	ponnanisecy@gmail.com
<b>Head,W.S/S.De</b>	SANTHOSHKUMAR	NA		8547638411	
<b>HOD/P.H.de</b>	SWAMINATHAN M	NA		9446072414	

### Parastatal Agency

Any parastatal agency engaged? : **Yes**

No. Of Parastatal Agency : **1**

#	Organization name	Nodal officer name	Designation	Landline no.	Mobile no.	E-mail ID
1	Kerala Water Authority	SANTHOSHKUMAR	A EX E		8547638411	ponnanikwa@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	90491	Households (Census 2011)	22343	City area (sq. km.)	23
Wards in city	51	Slum settlements (No.)	0	Industries (No.)	0
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	108589	Households in 2021(no.)	26812
Population density	4721	Slum population in 2021	0	Slum households 2021	0

### Future Projection

City population in 2025	117276	Households in 2025	28957	Slum households in 2025	0
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**Engineering College/ Organization/ Experts Working in Water Sector in the ULB**

#	Type	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
No data available in table						

**Uploaded Images**

#	Type	Name	Uploaded image(s)
No image uploled			

## Water Supply

### Major Water Sources Details

#	Type	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
1	River	Nariparambu	1	12	No	NA

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Nariparambu	7	7	Nariparambu	SCADA

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	7836	8221	4.760
2	Commercial Establishments	381	NA	0.381
3	Industries	4	NA	0.080
4	Slums	0	0	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.76	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	4.76	Average per capita water supply in LPCD	142.964

### Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	17.591	Commercial establishments	0.476	Industries	0.100
Institutional establishments	0.250	Slums	0	Total	18.417
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?	NA		

## WB Rejuvenation & RWH

### Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Implemented	No. of water tanks at religious places in your city	5
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### Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	canoli canal	4			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.808	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0	Sewage treated through STP in MLD	0

### Septage Coverage

No. of households covered	0	Sewage generated in MLD	0	Sludge treated through FSSM in KLD	0	Grey water recycled in MLD	0
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### Sewage Treatment Plants (STP)

#	Location of STP	Designed capacity in MLD	Operational capacity in MLD	Reused capacity in MLD	Reuse purpose	Revenue from reused water	Automatic monitoring?	Technology used
No data available in table								

## City Water Balance Plan Summary

Current Infrastructure assets/supply FY21-22 (A)		Projected consumption/demand FY25-26 (B)		Estimated gap FY25-26 (C)= (B)-(A)	
<b>Water Supply</b>					
Water supplied to households	4.76	Water demand	18.417	Gap in water supply	13.657
Water treatment capacity	7	Water to be treated	18.417	Gap in water treatment	11.417
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	8221	Total households including slums	28957	Gap in households tap connections including slums	20736
<b>Used Water</b>					
Used water being treated	0	Used water generation	14.073	Gap in used water treatment	14.073
Used water being recycled	0	Used water to be recycled (20%)	2.815	Gap in used water recycling	2.815
Sewer connections provided (including coverage with septage management)	0	Total households	28957	Gap in household sewer connections/ coverage with septage management	28957