

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information

 City THRIPPUNITHURA (M)	 District ERNAKULAM	 State KERALA	 Existing AMRUT City No
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	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	SWEETA FRANCIS	ASSISTANT ENGINEER	04842780315	9496465380	tripunithura.me@gmail.com
<b>Mayor.Pre</b>	REMA SANTHOSH	NA	04842780315	8547891142	musectripunithura@gmail.com
<b>Municipal.C/C.Ofc</b>	ABHILASH KUMAR H	NA	04842780315	8547223727	musectripunithura@gmail.com
<b>Head,W.S/S.De</b>	SUNILKUMAR M K	NA	04842777960	8547638144	aekwatripunithura@gmail.com
<b>HOD/P.H.de</b>	MEERANKUNJU	NA	04842780318	9747911221	musectripunithura@gmail.com

### 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	Sunilkumar M K	Assistant Executive Engineer	04842777960	8547638144	aekwatripunithura@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	92522	Households (Census 2011)	22845	City area (sq. km.)	29.17
Wards in city	49	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	111026	Households in 2021(no.)	27414
Population density	3806	Slum population in 2021	0	Slum households 2021	0





### Future Projection

City population in 2025	119908	Households in 2025	29607	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
1	Organization	Kerala Water Authority	Sunilkumar M K	04842777960	8547638144	aekwatripunithura@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Water Body	
2	Sewage Treatment Plant/ Water Treatment Plant	Water Treatment Tank	
3	Park	Park	
4	Women Self Help Group	Self Help group	

## 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	MUVATTUPUZHA RAMAMANGALAM	1	19	Yes	13

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	CHOONDY	19	19	MUVATTUPUZHA RAMAMANGALAM	SCADA

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	18534	18534	17.69
2	Commercial Establishments	1515	NA	0.835
3	Slums	0	0	0
4	Industries	11	NA	0.475

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

Piped water supply in MLD	17.69	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	17.69	Average per capita water supply in LPCD	235.67

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


Residential/ Households including slums	19	Commercial establishments	4	Industries	0
Institutional establishments	1	Slums	0	Total	24
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	0
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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	ANDHAKARA THODU	18			Bad	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	14.152	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
1	NIL	0	0	0	Agriculture	0	No	NA

## 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	17.69	Water demand	24	Gap in water supply	6.31
Water treatment capacity	19	Water to be treated	24	Gap in water treatment	5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	18534	Total households including slums	29607	Gap in households tap connections including slums	11073
<b>Used Water</b>					
Used water being treated	0	Used water generation	15.2	Gap in used water treatment	15.2
Used water being recycled	0	Used water to be recycled (20%)	3.04	Gap in used water recycling	3.04
Sewer connections provided (including coverage with septage management)	0	Total households	29607	Gap in household sewer connections/ coverage with septage management	29607