

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
NEDUMANGAD (M)



District

THIRUVANANTHAPURAM



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Anojkumar P R	Assistant Engineer	04722812380	7012968782	aenddmun@gmail.com
<b>Mayor.Pre</b>	Sreeja C S	NA	04722812380	8921548289	sreejandmp@gmail.com
<b>Municipal.C/C.Ofc</b>	SHERI G	NA	04722812380	9497015887	nddsec@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	BABURAJ C S	NA	04722802238	7025334815	csbaburaj4@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 AUTHOITY	KISHAN CHANDU S	ASSISTANT EXECUTIVE ENGINEER	04722802629	9496586222	kwanedumangad@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	60161	Households (Census 2011)	14855	City area (sq. km.)	32.52
Wards in city	39	Slum settlements (No.)	0	Industries (No.)	508
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	72193	Households in 2021(no.)	17825
Population density	2220	Slum population in 2021	0	Slum households 2021	0







### Future Projection

City population in 2025	77968	Households in 2025	19251	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	Experts	KISHAN CHANDU S	ANOJ KUMAR P R	04722812380	7012968782	aenddmun@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Park	Kuttikalude Kottaram	
2	Women Self Help Group	Kudumbasree	
3	Water Body	killiyar	
4	Water Body	thottumukku jaladhara river	
5	Water Body	mulluvengamoodu river	
6	Water Body	kodippuram river	

## 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	Dam	Aruvikkara	1	13	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	WTP Perumala	13.75	9	Aruvikkara	Other(Slow sand filter)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	10225	10225	7
2	Slums	0	0	0
3	Commercial Establishments	900	NA	0.9
4	Institutional Establishments	35	NA	0.5
5	Industries	3	NA	0.5

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

Piped water supply in MLD	7	Water supply directly through tankers in MLD	1	Water supply through tubewell & borewell in MLD	.25
Treated water supply in MLD	0	Total water supply in MLD	8.25	Average per capita water supply in LPCD	169.036

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




Residential/ Households including slums	10	Commercial establishments	2.25	Industries	1
Institutional establishments	1	Slums	0.25	Total	14.25
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	14
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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	killiyar	0.08		8.603333 - 77.002777	Good	Yes
2	Water Body	Mulluvengamoodu	0.03			Good	Yes
3	Water Body	thottumukku pariyaram jaladhara river	0.012			Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	6.6	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	8.25	Water demand	14.25	Gap in water supply	6
Water treatment capacity	13.75	Water to be treated	14.25	Gap in water treatment	0.5
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	10225	Total households including slums	19251	Gap in households tap connections including slums	9026
<b>Used Water</b>					
Used water being treated	0	Used water generation	8	Gap in used water treatment	8
Used water being recycled	0	Used water to be recycled (20%)	1.6	Gap in used water recycling	1.6
Sewer connections provided (including coverage with septage management)	0	Total households	19251	Gap in household sewer connections/ coverage with septage management	19251