

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
THRIKKAKARA(M)



District  
ERNAKULAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	SUJA KUMARI S	AEE	04842422383	9495942908	m.e.thrikkakara@gmail.com
<b>Mayor.Pre</b>	AJITHA THANKAPAN	NA	04842422383	9567762841	m.e.thrikkakara@gmail.com
<b>Municipal.C/C.Ofc</b>	N K KRISHNAKUMAR	NA	04842422383	8921448615	m.e.thrikkakara@gmail.com
<b>Head,W.S/S.De</b>	Vineesh P	NA	04842996175	8547638155	kwaseciontka@gmail.com
<b>HOD/P.H.de</b>	SHEJI K S	NA	04842422383	9496197583	m.e.thrikkakara@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	Vineesh P	Asst Engineer	04842996175	8547638155	kwaseciontka@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	65984	Households (Census 2011)	16292	City area (sq. km.)	28.01
Wards in city	43	Slum settlements (No.)	600	Industries (No.)	240
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	79181	Households in 2021(no.)	19551
Population density	2827	Slum population in 2021	5000	Slum households 2021	1235


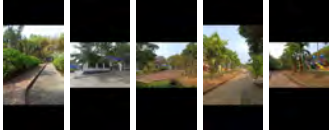
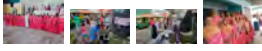
### Future Projection

City population in 2025	85515	Households in 2025	21115	Slum households in 2025	1334
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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	Vineesh P	04842996175	8547638155	kwasectionka@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	poyyachira pond	
2	Park	Municipal park	
3	Women Self Help Group	Kudumashree	

## 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	Well	KAKKANAD	50	2.5	No	NA
2	River	ALUVA	1	20	Yes	15

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	ALUVA	20	20	ALUVA	Other(Mechanical)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	19150	14500	17
2	Commercial Establishments	800	NA	.8
3	Industries	120	NA	.5
4	Institutional Establishments	250	NA	.3
5	Slums	160	160	.3

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

Piped water supply in MLD	17	Water supply directly through tankers in MLD	3	Water supply through tubewell & borewell in MLD	2.5
Treated water supply in MLD	0	Total water supply in MLD	22.5	Average per capita water supply in LPCD	289.485

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


Residential/ Households including slums	22	Commercial establishments	1.1	Industries	.8
Institutional establishments	.5	Slums	0.6	Total	24.400000000000002
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	12
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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	poyyachira	3			Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	00	Sewage generated in MLD	18	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	22.5	Water demand	24.4	Gap in water supply	1.9
Water treatment capacity	20	Water to be treated	24.4	Gap in water treatment	4.4
Households with tap connections in slums	160	Total slum households	1334	Gap in household tap connections	1174
Households covered with Tap connections (City)	14500	Total households including slums	21115	Gap in households tap connections including slums	6615
<b>Used Water</b>					
Used water being treated	0	Used water generation	17.6	Gap in used water treatment	17.6
Used water being recycled	0	Used water to be recycled (20%)	3.52	Gap in used water recycling	3.52
Sewer connections provided (including coverage with septage management)	0	Total households	21115	Gap in household sewer connections/ coverage with septage management	21115