

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**KODUNGALLUR (M)**



District  
**THRISSUR**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Bindu K C	Municipal Engineer	04802802341	9048078344	aekdlrmt@gmail.com
<b>Mayor.Pre</b>	Shinija M U	NA	04802802341	9946424152	chairpersonkdlr@gmail.com
<b>Municipal.C/C.Ofc</b>	Sanil S	NA	04802802341	9447249972	secretarykdlrmt@gmail.com
<b>Head,W.S/S.De</b>	BENNI E A	NA		8547638378	kwaaeemala@gmail.com
<b>HOD/P.H.de</b>	Gopalakrishnan K V	NA	04802802341	9633337147	secretarykdlrmt@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
<b>1</b>	Kerala Water Authority	BENNI E A	Assistant Executive Engineer		8547638378	kwaaeemala@gmail.com

### City profile as per FY 2020-21

<b>City population(Census 2011)</b>	71244	<b>Households (Census 2011)</b>	17591	<b>City area (sq. km.)</b>	28
<b>Wards in city</b>	44	<b>Slum settlements (No.)</b>	0	<b>Industries (No.)</b>	107
<b>Industrial clusters</b>	0	<b>Population survey conducted in the last five years ?</b>	<b>No</b>	<b>Survey year</b>	NA
<b>Survey city population</b>	NA	<b>City population in 2021</b>	85493	<b>Households in 2021(no.)</b>	21109
<b>Population density</b>	3053	<b>Slum population in 2021</b>	0	<b>Slum households 2021</b>	0


### Future Projection

<b>City population in 2025</b>	92332	<b>Households in 2025</b>	22798	<b>Slum households in 2025</b>	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	Benni E A		8547638378	kwaaeemala@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	water body	

## 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	vynthala	13838	5.5	Yes	16.2
2	Tube Well	kunnamkulam	540	.22	No	NA
3	Well	public wells	200	0.05	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	VYNTHALA	5.5	5.5	vynthala	Other(Rappid sand filter)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	13517	13517	5
2	Commercial Establishments	318	NA	.22
3	Industries	3	NA	.01
4	Slums	0	0	0

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

Piped water supply in MLD	5	Water supply directly through tankers in MLD	.22	Water supply through tubewell & borewell in MLD	.03
Treated water supply in MLD	0	Total water supply in MLD	5.25	Average per capita water supply in LPCD	91.334

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

Residential/ Households including slums	15.45	Commercial establishments	1	Industries	.2
Institutional establishments	.1	Slums	0	Total	16.75
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	dhalavakulam	.002		10.2322 - 76.1945	Bad	No
2	Water Body	Arakulam	.004		10.2143 - 76.2006	Bad	No
3	Water Body	Kathikulam	.001		10.208 - 76.1856	Bad	No
4	Water Body	Viyathukulam	.002		10.2539 - 76.2053	Bad	No
5	Water Body	Kunnamkulam	.001		10.2018 - 76.1877	Bad	No
6	Water Body	Karichamkulam	.002		10.2317 - 76.1919	Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.224	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	6.824	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	5.25	Water demand	16.75	Gap in water supply	11.5
Water treatment capacity	5.5	Water to be treated	16.75	Gap in water treatment	11.25
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	13517	Total households including slums	22798	Gap in households tap connections including slums	9281
<b>Used Water</b>					
Used water being treated	0	Used water generation	12.36	Gap in used water treatment	12.36
Used water being recycled	0	Used water to be recycled (20%)	2.472	Gap in used water recycling	2.472
Sewer connections provided (including coverage with septage management)	0	Total households	22798	Gap in household sewer connections/ coverage with septage management	22798