

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**THALASSERY (M)**



District  
**KANNUR**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	JAYARAJ P	ASSISTANT ENGINEER		9037926861	jayarajbi@gmail.com
<b>Mayor.Pre</b>	Jamunarani Teacher	NA	0490341051	9656702413	thalasserymunicipality@gmail.com
<b>Municipal.C/C.Ofc</b>	Pradeep Kumar R	NA	04902341051	9497153748	thalasserymunicipality@gmail.com
<b>Head,W.S/S.De</b>	Vineeth Palleri	NA		8547638041	eephkannur@gmail.com
<b>HOD/P.H.de</b>	Pramod K	NA		9497604541	pramodevikasivam@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	Vineeth Palleri	Executive Engineer		8547638041	eephkannur@gmail.com

### City profile as per FY 2020-21

<b>City population(Census 2011)</b>	92864	<b>Households (Census 2011)</b>	22929	<b>City area (sq. km.)</b>	23.98
<b>Wards in city</b>	52	<b>Slum settlements (No.)</b>	0	<b>Industries (No.)</b>	7
<b>Industrial clusters</b>	1	<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>	111437	<b>Households in 2021(no.)</b>	27515
<b>Population density</b>	4647	<b>Slum population in 2021</b>	0	<b>Slum households 2021</b>	0




### Future Projection

<b>City population in 2025</b>	120352	<b>Households in 2025</b>	29717	<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	Executive Engineer		8547638041	eephkannur@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Eranholi River	
2	Park	Centenary Park	
3	Women Self Help Group	Cafe Kudumbasree coffe shop	

## 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	Keezhallur	1	18	Yes	25
2	River	Pazhassi Barrage in Valapatanam River	1	18	Yes	40

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Keezhallur 18 MLD WTP	4.8	4.8	Keezhallur	SCADA

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4461	5096	2.710
2	Commercial Establishments	575	NA	0.575
3	Industries	15	NA	0.300
4	Institutional Establishments	45	NA	0.090
5	Slums	0	0	0

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

Piped water supply in MLD	2.71	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	2.71	Average per capita water supply in LPCD	131.306

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

Residential/ Households including slums	18.053	Commercial establishments	0.719	Industries	0.375
Institutional establishments	0.113	Slums	0	Total	19.26
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	18
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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	Eranholi River	8.50		11.75 - 75.5	Bad	No
2	Community Well	Janakeeya public well Oleswaram Ward 3	0.0025			Good	No
3	Community Well	Kunhalimarakkar park well ward 44	0.0025			Good	No
4	Community Well	Near Pilakkul Co op Ruaral bank ward 44	0.0016			Good	No
5	Community Well	Public well near 2nd gate ward 44	0.0016			Good	No
6	Community Well	Moozhiyl nada public well ward 19	0.002			Good	No
7	Community Well	Meethele Kodyari Public well Ward 29	0.002			Good	No
8	Community Well	Punnol east Pallikkunnu Public well Ward 33	0.0016			Good	No
9	Community Well	Mamballikkunnu Public well Ward 27	0.0016			Good	No
10	Community Well	Narikkot Public well Ward 27	0.0012			Good	No
11	Community Well	Komathpara Janakeeya Public well Ward 7	0.0016			Good	No
12	Community Well	Public well at Kolassery Town ward 7	0.0016			Good	No
13	Community Well	Public well Near Mattambram Mosque Ward 47	0.0016			Good	No
14	Community Well	Public well near Sea Bridge Milma Booth Ward 47	0.0012			Good	No
15	Community Well	Public well near Pier road KTC company Ward 47	0.0012			Good	No
16	Community Well	Public well near Koduvalli Pandara Valapp Janakeeya well Ward 1	0.0016			Good	No
17	Community Well	Public well near Chiramal Mappila School Lavaniya Colony Ward 1	0.0012			Good	No
18	Community Well	Public well near Sara Park Ward 1	0.0016			Good	No
19	Community Well	Punlic well near Adv Muhammed Saleem House MA Quarters Ward 51	0.0012			Good	No
20	Community Well	Public well Near Chandana Vandithavalam Road Near town hall Ward 1	0.0012			Good	No

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
21	Community Well	Public well Near Krishi Bhavan Ward 12	0.0012			Good	No
22	Community Well	Public well Near Fathima Puram Ward 42	0.0012			Good	No
23	Community Well	Public well Near Gopalapetta Ward 42	0.0012			Good	No
24	Community Well	Public well at Koduvalli ManManakkam dweep ward 52	0.0012			Good	No
25	Community Well	Public well near Josgiri Hospital Ward 52	0.0016			Good	No
26	Community Well	Public well Near Vimala Press in ward 52	0.0016			Good	No
27	Community Well	Karal Theru Public well in ward 28	0.0016			Good	No
28	Community Well	Kuzippangad public well Ward 11	0.0016			Good	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	2.168	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	2.71	Water demand	19.26	Gap in water supply	16.55
Water treatment capacity	4.8	Water to be treated	19.26	Gap in water treatment	14.46
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	5096	Total households including slums	29717	Gap in households tap connections including slums	24621
<b>Used Water</b>					
Used water being treated	0	Used water generation	14.442	Gap in used water treatment	14.442
Used water being recycled	0	Used water to be recycled (20%)	2.888	Gap in used water recycling	2.888
Sewer connections provided (including coverage with septage management)	0	Total households	29717	Gap in household sewer connections/ coverage with septage management	29717