

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
KOTTAYAM (M)



District  
KOTTAYAM



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Bijimole E R	Municipal Engineer	4812566665	9020212599	mektymunicipality@gmail.com
<b>Mayor.Pre</b>	Bincy Sebastian	NA	04812566665	7012383429	chairpersonktmmunicipality@gmail.com
<b>Municipal.C/C.Ofc</b>	Anila Anna Varghese Secretary In Charge	NA	04812566665	9495816989	mektymunicipality@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Dr N PRIYA	NA		9946105479	dmohktn@yahoo.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	Water Authority	Vishnu	Assistant Engineer	04812562745	8547638558	aewwsn1ktm@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	138283	Households (Census 2011)	34144	City area (sq. km.)	55.4
Wards in city	52	Slum settlements (No.)	0	Industries (No.)	11
Industrial clusters	3	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	165940	Households in 2021(no.)	40973
Population density	2995	Slum population in 2021	0	Slum households 2021	0





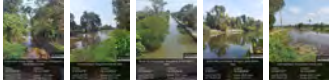
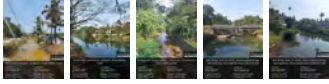
### Future Projection

City population in 2025	179215	Households in 2025	44251	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	Kuriacos		8547638557	eephdivisionkwaktm@gmail.com

### Uploaded Images

#	Type	Name	Uploaded image(s)
1	Sewage Treatment Plant/ Water Treatment Plant	Veluthuruthi WTP	
2	Sewage Treatment Plant/ Water Treatment Plant	Thiruvanchoor WTP	
3	Women Self Help Group	Kudumbhasree	
4	Park	Various park	
5	Water Body	Water Bodies or Sources	
6	Water Body	Water Bodies or Sources	

## 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	Meenachil river	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	Veluparambhu WTP Design capacity 16	13	13	Meenachil river	Other(Rapid sand filter)
2	Thiruvanchur WTP Designed capacity 37	20	20	Meenachil river	Other(Rapid sand filter)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	21047	21047	14
2	Industries	59	NA	4
3	Commercial Establishments	3636	NA	8
4	Institutional Establishments	206	NA	6
5	Slums	0	0	0

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

Piped water supply in MLD	14	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	14	Average per capita water supply in LPCD	164.241

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

Residential/ Households including slums	32	Commercial establishments	10	Industries	5
Institutional establishments	8	Slums	0	Total	55
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	4
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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	Meenchil River	.875			Good	No
2	Water Body	Kodoor river	.56			Good	No
3	Water Body	Neelimangalam River	.091			Good	No
4	Water Body	Puthenthodu	.01			Good	No
5	Water Body	Meenanthalayaar	.092			Good	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	11.2	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	14	Water demand	55	Gap in water supply	41
Water treatment capacity	33	Water to be treated	55	Gap in water treatment	22
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	21047	Total households including slums	44251	Gap in households tap connections including slums	23204
<b>Used Water</b>					
Used water being treated	0	Used water generation	25.6	Gap in used water treatment	25.6
Used water being recycled	0	Used water to be recycled (20%)	5.12	Gap in used water recycling	5.12
Sewer connections provided (including coverage with septage management)	0	Total households	44251	Gap in household sewer connections/ coverage with septage management	44251