

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
CHAVAKKAD (M)



District  
THRISSUR



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	JESSY T J	ASSISTANT ENGINEER	04872507376	9946913334	aeechavakkadmunicipality@gmail.com
<b>Mayor.Pre</b>	SHEEJA PRASANT	NA	04872507453	9744788605	chavakkadcouncil@gmail.com
<b>Municipal.C/C.Ofc</b>	VISWANADHAN K B	NA	04872507367	9447069753	chavakkadsecretary@gmail.com
<b>Head,W.S/S.De</b>	VASUDEVAN K K	NA	04872556461	8547638367	aekkwagvr@gmail.com
<b>HOD/P.H.de</b>	ZAKEER HUSSAIN V P	NA	04872507376	9846738588	chavakkadsecretary@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	KWA	VASUDEVAN K K	AEE KWA	04872556461	8547638367	aekkwagvr@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	39095	Households (Census 2011)	9653	City area (sq. km.)	12.41
Wards in city	32	Slum settlements (No.)	0	Industries (No.)	0
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	46914	Households in 2021(no.)	11584
Population density	3780	Slum population in 2021	0	Slum households 2021	0




### Future Projection

City population in 2025	50667	Households in 2025	12510	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	AE		9496348472	aekwagvr@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	PULICHIRAKETTU POND	
2	Park	Hydroskutty moopar childreencepark	
3	Women Self Help Group	CAFESREE	

## 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	KARUVANNUR RIVER	1	5	Yes	40
2	Well	PUBLIC WELL	23	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	VELLANI (apportioned qty of 5 MLD out of 13 mld)	5	5	KARUVANNUR RIVER	Other(MANUAL)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1426	982	1
2	Commercial Establishments	72	NA	0.7
3	Industries	0	NA	0
4	Institutional Establishments	0	NA	0
5	Slums	0	0	0

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

Piped water supply in MLD	1	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	1	Average per capita water supply in LPCD	251.439

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


Residential/ Households including slums	8.9	Commercial establishments	1	Industries	0.5
Institutional establishments	0.2	Slums	0	Total	10.6
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	1
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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	PULICHIRAKETTU	1800		10.3449 - 76.0047	Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.8	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.2	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	1	Water demand	10.6	Gap in water supply	9.6
Water treatment capacity	5	Water to be treated	10.6	Gap in water treatment	5.6
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	982	Total households including slums	12510	Gap in households tap connections including slums	11528
<b>Used Water</b>					
Used water being treated	0	Used water generation	7.12	Gap in used water treatment	7.12
Used water being recycled	0	Used water to be recycled (20%)	1.424	Gap in used water recycling	1.424
Sewer connections provided (including coverage with septage management)	0	Total households	12510	Gap in household sewer connections/ coverage with septage management	12510