

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
CHALAKUDY (M)



District  
THRISSUR



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	SUBASH M K	ASSISTANT EXECUTIVE ENGINEER	04802708152	9349856557	aeecmc@gmail.com
<b>Mayor.Pre</b>	V O PAILAPPAN	NA	04802708152	8086675292	chairmanmcchalakudy@gmail.com
<b>Municipal.C/C.Ofc</b>	AKASH M S	NA	04802708152	9895143097	secretarymcchalakudy@gmail.com
<b>Head,W.S/S.De</b>	VIJUKUMAR A R	NA		8547638072	kwasubdivisionchalakudi@gmail.com
<b>HOD/P.H.de</b>	PAUL THOMAS	NA		9446422993	secretarymcchalakudy@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	VIJUKUMAR A R	EXECUTIVE ENGINEER		8547638072	kwasubdivisionchalakudi@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	49481	Households (Census 2011)	12218	City area (sq. km.)	25.23
Wards in city	36	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	59377	Households in 2021(no.)	14661
Population density	2353	Slum population in 2021	0	Slum households 2021	0

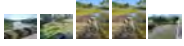







### Future Projection

City population in 2025	64127	Households in 2025	15834	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
No data available in table						

## Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	chalakudy river,aasaripparakulam,kadambottukula,periyachirakulam,vettisserykulam,chathankulam,koranchirakulam,kumaranchirakulam	
2	Water Body	chalakudy river	
3	Water Body	aasaripparakulam	
4	Water Body	kadambottukulam	
5	Water Body	periyachirakulam	
6	Water Body	chathankulam	
7	Water Body	koranchirakulam	
8	Water Body	kumaranchirakulam	

## 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	koodapuzha	1	4	No	NA
2	Well	municipal well in wards	40	2	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	koodapuzha(app.quantity4MLDfrom17MLD	4	4	chalakudy river	Other(NA)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	5815	5815	2.5
2	Commercial Establishments	569	NA	1.13
3	Institutional Establishments	9	NA	0.18
4	Slums	0	0	0
5	Industries	0	NA	0

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

Piped water supply in MLD	2.5	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	2.5	Average per capita water supply in LPCD	106.154

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

Residential/ Households including slums	11.22	Commercial establishments	1.35	Industries	0.1
Institutional establishments	.21	Slums	0	Total	12.88
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	5
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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	chalakudy river	1		10.294896 - 76.336585	Good	No
2	Water Body	aasaripparakulam	1			Good	No
3	Water Body	kadambottukulam	1			Bad	No
4	Water Body	periyachirakulam	1			Bad	No
5	Water Body	vettisserykulam	1			Bad	No
6	Water Body	chathankulam	1			Bad	No
7	Water Body	koranchirakulam	1			Bad	No
8	Water Body	kumaranchirakulam	1			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	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	2.5	Water demand	12.88	Gap in water supply	10.38
Water treatment capacity	4	Water to be treated	12.88	Gap in water treatment	8.88
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	5815	Total households including slums	15834	Gap in households tap connections including slums	10019
<b>Used Water</b>					
Used water being treated	0	Used water generation	8.976	Gap in used water treatment	8.976
Used water being recycled	0	Used water to be recycled (20%)	1.795	Gap in used water recycling	1.795
Sewer connections provided (including coverage with septage management)	0	Total households	15834	Gap in household sewer connections/ coverage with septage management	15834