

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
CHERTHALA (M)



District  
ALAPPUZHA



State  
KERALA



Existing AMRUT City  
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Brijith P M	Assistant Engineer	04782822648	9446616918	assistantengineercmc1@gmail.com
<b>Mayor.Pre</b>	Sherly Bharghavan	NA	04782822648	7907585304	secretarycmc1@gmail.com
<b>Municipal.C/C.Ofc</b>	ARUN K S	NA	04782822648	8281310398	secretarycmc1@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA	04712333174	9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Sudeep S	NA	04782822648	9496111756	secretarycmc1@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	S L Sabu	Assistant Executive Engineer	04782813012	8547638225	kwachertala@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	45827	Households (Census 2011)	11315	City area (sq. km.)	16
Wards in city	35	Slum settlements (No.)	0	Industries (No.)	410
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	54992	Households in 2021(no.)	13578
Population density	3437	Slum population in 2021	0	Slum households 2021	0


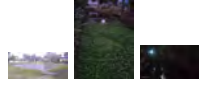
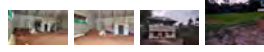
### Future Projection

City population in 2025	59391	Households in 2025	14664	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	SL Sabu	04782813012	8547638225	kwacherthala@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Women Self Help Group	Women Self Help groups	
2	Water Body	Cherakulam ,KattichiraThode,ManavelyThode	
3	Park	Nehru Smaraka Childrems Park,CulturalCentre	

## 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	MUVATTUPUZHA	1	10	Yes	55

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	107 MLD Plant at Thycattuserry	6.87	6.87	MUVATTUPUZHA	SCADA

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	7161	7161	5.87
2	Commercial Establishments	320	NA	.7
3	Institutional Establishments	27	NA	.05
4	Slums	0		0
5	Industries	14	NA	.25

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

Piped water supply in MLD	5.87	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	5.87	Average per capita water supply in LPCD	202.399

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

Residential/ Households including slums	10	Commercial establishments	1	Industries	1
Institutional establishments	1	Slums	0	Total	13
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	Not 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	Cherakulam	3500			Good	No
2	Water Body	Manavelly Thode	100			Good	No
3	Water Body	Kattichira Thode	150			Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4.696	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	5.87	Water demand	13	Gap in water supply	7.13
Water treatment capacity	6.87	Water to be treated	13	Gap in water treatment	6.13
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	7161	Total households including slums	14664	Gap in households tap connections including slums	7503
<b>Used Water</b>					
Used water being treated	0	Used water generation	8	Gap in used water treatment	8
Used water being recycled	0	Used water to be recycled (20%)	1.6	Gap in used water recycling	1.6
Sewer connections provided (including coverage with septage management)	0	Total households	14664	Gap in household sewer connections/ coverage with septage management	14664