

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
**CHITTUR-
THATHAMANGALAM (M)**



District
PALAKKAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Sushamma V S	Assistant Engineer	04923222343	9539411123	aelsgdctmc123@gmail.com
Mayor.Pre	Kavitha K L	NA	04923222343	9249335483	chairmanchtmmp@gmail.com
Municipal.C/C.Ofc	P Nandakumar	NA	04923222374	9447855864	secretary.chittur@gmail.com
Head,W.S/S.De	E V Rajagopalan	NA	04912544927	8547638023	phcirclepkd@gmail.com
HOD/P.H.de	Hemanthan R R	NA	04923222343	7403608127	secretary.chittur@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	Arunkumar A	Assistant Engineer	04923222429	8547638311	phsection@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	32480	Households (Census 2011)	8020	City area (sq. km.)	14.71
Wards in city	29	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	38976	Households in 2021(no.)	9624
Population density	2650	Slum population in 2021	0	Slum households 2021	0


Future Projection

City population in 2025	42094	Households in 2025	10394	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	Arunkumar	04923222429	8547638311	phsection@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Kerala Water Authority	

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	Chittu Puzha	2	7	Yes	1

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Chittoor	5.3	5.3	Chittu Puzha	Other(Other)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	9051	9051	4.51
2	Commercial Establishments	682	NA	0.711
3	Industries	3	NA	0.01
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.51	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	4.51	Average per capita water supply in LPCD	123.034

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	7.36	Commercial establishments	.852	Industries	.012
Institutional establishments	0	Slums	0	Total	8.224
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	Pallikulam	0.51		10.687583 - 76.70151	Bad	Yes
2	Water Body	Guruswamiyar Kulam	0.93		10.682692 - 76.71380	Bad	Yes
3	Water Body	Bagavathikulam	0.59		10.704826 - 76.737079	Bad	Yes
4	Water Body	Karyakkarkulam	0.92		10.708898 - 76.735636	Bad	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.608	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)	
Water Supply					
Water supplied to households	4.51	Water demand	8.224	Gap in water supply	3.714
Water treatment capacity	5.3	Water to be treated	8.224	Gap in water treatment	2.924
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	9051	Total households including slums	10394	Gap in households tap connections including slums	1343
Used Water					
Used water being treated	0	Used water generation	5.888	Gap in used water treatment	5.888
Used water being recycled	0	Used water to be recycled (20%)	1.178	Gap in used water recycling	1.178
Sewer connections provided (including coverage with septage management)	0	Total households	10394	Gap in household sewer connections/ coverage with septage management	10394