

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
CHERPULASSERY



District
PALAKKAD



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	HARIKRISHNAN	MUNICIPAL ENGINEER	04662282238	9995405344	aelsgdcpymun@gmail.com
Mayor.Pre	P RAMACHANDRAN	NA	04662282238	9847085428	seccpymun@gmail.com
Municipal.C/C.Ofc	SEENA H	NA	04662282238	8921927850	seccpymun@gmail.com
Head,W.S/S.De	SHINE	NA	04662280900	8547638321	kwacpy@gmail.com
HOD/P.H.de	ANIL K G	NA	04662282238	9495465355	seccpymun@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	SHINE	ASSISTANT ENGINEER	04662280900	8547638321	kwacpy@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	39919	Households (Census 2011)	9857	City area (sq. km.)	32
Wards in city	33	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	47903	Households in 2021(no.)	11828
Population density	1497	Slum population in 2021	0	Slum households 2021	0


Future Projection

City population in 2025	51735	Households in 2025	12774	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	KWA	SHINE	04662280900	8547638321	kwacpy@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	THOOTHARIVER	

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	THOOTHARIVER	1	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
No data available in table					

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	7463	7463	2
2	Commercial Establishments	498	NA	0.500
3	Industries	2	NA	.020
4	Institutional Establishments	2	NA	0.005
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	2	Water supply directly through tankers in MLD	.2	Water supply through tubewell & borewell in MLD	.525
Treated water supply in MLD	0	Total water supply in MLD	2.725	Average per capita water supply in LPCD	66.17

Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	9	Commercial establishments	1	Industries	0.5
Institutional establishments	0.5	Slums	0	Total	11
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	12
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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	THOOTHARIVER	0.80		10.918974 - 76.282883	Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	2.18	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	2.725	Water demand	11	Gap in water supply	8.275
Water treatment capacity	0	Water to be treated	11	Gap in water treatment	11
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	7463	Total households including slums	12774	Gap in households tap connections including slums	5311
Used Water					
Used water being treated	0	Used water generation	7.2	Gap in used water treatment	7.2
Used water being recycled	0	Used water to be recycled (20%)	1.44	Gap in used water recycling	1.44
Sewer connections provided (including coverage with septage management)	0	Total households	12774	Gap in household sewer connections/ coverage with septage management	12774