

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PATHANAMTHITTA (M)



District
PATHANAMTHITTA



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Sudheer Raj JS	Assistant Executive Engineer	0468-2222249	9447656162	sudheerraj2008@gmail.com
Mayor.Pre	T Zakir husain	NA	0468-2223819	9447563609	pathanamthittamunicipality2011@gmail.com
Municipal.C/C.Ofc	Sherla Beegam s	NA	0468-2223819	9745416245	pathanamthittamunicipality2011@gmail.com
Head,W.S/S.De	S VENKATESAPATHY IAS	NA	0471-2738300	9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Anil Kumar S	NA	0468-222687	9447205548	aeptasection@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	Anil Kumar S	Executive Engineer	0468-222687	9447205548	kwaptadivision@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	37545	Households (Census 2011)	9270	City area (sq. km.)	24
Wards in city	32	Slum settlements (No.)	0	Industries (No.)	01
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	45054	Households in 2021(no.)	11124
Population density	1877	Slum population in 2021	0	Slum households 2021	0

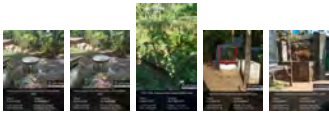



Future Projection

City population in 2025	48658	Households in 2025	12014	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	Anil Kumar S	0468-222687	9447205548	kwaptadivision@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Water sources	
2	Women Self Help Group	Kudumbashree women self group	
3	Sewage Treatment Plant/ Water Treatment Plant	Water Treatment Plant	
4	Yes	Townhall Park	

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	Achan Kovil	01	9.5	No	NA
2	Canal	Kannankara Thodu	01	0.5	No	NA
3	Pond	Panamthoppu colony pond	01	0.01	No	NA
4	Pond	Subhala Park	01	0.01	No	NA
5	Pond	Pamboorippara	01	0.005	No	NA
6	Pond	Arebic College	01	0.05	No	NA
7	Pond	Vanchikapolaka	01	0.001	No	NA
8	Pond	Near Pasonage Church	01	0.001	No	NA
9	Well	Thundumonkara in ward 19	01	0.001	No	NA
10	Borewell	Thazevetippuram well in ward 11	01	0.03	No	NA
11	Borewell	Kulasekharapathi lakshamveedu well in ward -14	01	0.002	No	NA
12	Tube Well	Valanchuzhi lakshamveedu well in ward no. 24	01	0.003	No	NA
13	Well	Thengappara in ward no. 2	01	0.02	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	Pampuripara	6.5	6.5	Achan Kovil	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	6250	6250	4.5
2	Commercial Establishments	1232	NA	1.8
3	Industries	12	NA	0.1
4	Institutional Establishments	215	NA	0.4
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.5	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0.056
Treated water supply in MLD	0	Total water supply in MLD	4.556	Average per capita water supply in LPCD	177.778

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	7.5	Commercial establishments	3.5	Industries	1.2
Institutional establishments	3.5	Slums	0	Total	15.7

Are you going to met the 100% future demand through subsurface water source?

No

How much future demand in MLD will be met through subsurface water source?

0

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	9
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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	Chutti para valamchuzhi	0.5			Bad	No
2	Water Body	Kumpuzha Mylapara	0.12			Bad	No
3	Water Body	Karimarathil	0.25			Bad	No
4	Community Well	Thazhya Vettipuram	0.1			Bad	No
5	Community Well	Kulashekarapathi	0.001			Bad	No
6	Community Well	Mylapara	0.001			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3,645	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	4.556	Water demand	15.7	Gap in water supply	11.144
Water treatment capacity	6.5	Water to be treated	15.7	Gap in water treatment	9.2
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	6250	Total households including slums	12014	Gap in households tap connections including slums	5764
Used Water					
Used water being treated	0	Used water generation	6	Gap in used water treatment	6
Used water being recycled	0	Used water to be recycled (20%)	1.2	Gap in used water recycling	1.2
Sewer connections provided (including coverage with septage management)	0	Total households	12014	Gap in household sewer connections/ coverage with septage management	12014