

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PANDALAM



District

PATHANAMTHITTA



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Binil Kumar S S	Assistant Engineer	04734-252251	9447453819	pandalammunicipality@gmail.com
Mayor.Pre	Suseela Santhosh	NA	04734252251	9544295412	pandalammunicipality@gmail.com
Municipal.C/C.Ofc	R Rekha	NA	04734252251	9656405261	pandalammunicipality@gmail.com
Head,W.S/S.De	Venkateshpathy IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Anil Kumar S	NA	04734252251	9447205548	pandalammunicipality@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	Nissar	AEE KWA		8547638345	kwaptasubdn@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	45497	Households (Census 2011)	11234	City area (sq. km.)	28.42
Wards in city	33	Slum settlements (No.)	0	Industries (No.)	4
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	54596	Households in 2021(no.)	13480
Population density	1921	Slum population in 2021	0	Slum households 2021	0




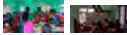
Future Projection

City population in 2025	58964	Households in 2025	14559	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	Jiju GS		8547638347	kwaadoor@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Achen Kovil River	
2	Water Body	Achen Kovil River	
3	Water Body	Onamkottu Chal	
4	Women Self Help Group	Kudumbasree Meetings	

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 River	1	8	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	Mangaram WTP 8 MLD	6	3	Achan Kovil River	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	1545	1545	1
2	Commercial Establishments	100	NA	0.1
3	Industries	1	NA	0.02
4	Slums	0		0
5	Institutional Establishments	43	NA	0.086

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1	Water supply directly through tankers in MLD	1	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	2	Average per capita water supply in LPCD	159.815

Estimated Future Water Demand in 2025 (in MLD)











Residential/ Households including slums	8.84	Commercial establishments	0.18	Industries	0.025
Institutional establishments	0.25	Slums	0	Total	9.295
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	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	Achen Kovil River	6			Bad	Yes
2	Water Body	Muttar Neerchal	2			Bad	No
3	Water Body	Onamkottu Chal	.3			Bad	Yes
4	Water Body	Chiramudi	5			Bad	No
5	Water Body	Iranikudi	8			Bad	No
6	Water Body	Kurampala Thodu	3			Bad	No
7	Water Body	Paranthal Valiya Thodu	6			Bad	No
8	Water Body	Thondukandam	9			Bad	No
9	Water Body	Thottukara	5			Bad	No
10	Water Body	Mulanilkkunathil Pond	2			Bad	No
11	Water Body	Thazhayil Thodu	2			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.6	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	Water demand	9.295	Gap in water supply	7.295
Water treatment capacity	6	Water to be treated	9.295	Gap in water treatment	3.295
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	1545	Total households including slums	14559	Gap in households tap connections including slums	13014
Used Water					
Used water being treated	0	Used water generation	7.072	Gap in used water treatment	7.072
Used water being recycled	0	Used water to be recycled (20%)	1.414	Gap in used water recycling	1.414
Sewer connections provided (including coverage with septage management)	0	Total households	14559	Gap in household sewer connections/ coverage with septage management	14559