

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
ADOOR (M)



District

PATHANAMTHITTA



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	RAFEEK M	ASSISTANT ENGINEER	04734228228	9495329468	aelsgdadr@gmail.com
Mayor.Pre	D SAJI	NA	04734228362	9447249360	empiresaji@gmail.com
Municipal.C/C.Ofc	RAGIMOL V	NA	04734228228	6282330034	secyadr@gmail.com
Head,W.S/S.De	Venkateshapathy IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	Dr SUBHAGAN	NA	04734-223236	9446361036	gshadoor@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	JJU G S	ASSISTANT ENGINEER	04734225766	8547638347	kwaadoor@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	29165	Households (Census 2011)	7201	City area (sq. km.)	20.8
Wards in city	28	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	34998	Households in 2021(no.)	8641
Population density	1683	Slum population in 2021	0	Slum households 2021	0

Future Projection

City population in 2025	37798	Households in 2025	9333	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	JJU G S	04734225766	8547638347	kwaadoor@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	karuvatta kulam	
2	Water Body	Partha sarathy kulam	
3	Water Body	Ayyappan para kulam	
4	Water Body	Payikattu kulam	
5	Water Body	Mullur kulangara kulam	
6	Water Body	PULIKANNAL KULAM	
7	Women Self Help Group	kudumbasree takeaway restaurant	
8	Sewage Treatment Plant/ Water Treatment Plant	Chiranickal water treatment	
9	Water Body	Pallickal arr	
10	Water Body	Puthiyakavil chira	
11	Water Body	Kaimalapara quarry pond	
12	Water Body	Ilayappankulam	
13	Water Body	Pottankulam	
14	Water Body	Valiyakulam	
15	Water Body	Pampette kulam	
16	Water Body	Sakkeer hussain Colony kulam	
17	Water Body	Mappila kulam	
18	Water Body	Chavarukulam	
19	Water Body	Kaithaveli kulam	
20	Water Body	Parabhrama kulam	
21	Women Self Help Group	Kudumbasree onam vipananamela	

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	ACHANKOVIL RIVER	1	10	Yes	15

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	CHIRANIKKAL PLANT ADOOR Designed capacity 12 MLD	10	10	ACHANKOVIL RIVER	Other(RAPID SAND FILTER)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	2674	2674	4
2	Commercial Establishments	351	NA	2.0
3	Industries	5	NA	1
4	Institutional Establishments	151	NA	1.0
5	Slums	0		0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4	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	Average per capita water supply in LPCD	369.355

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	8	Commercial establishments	4	Industries	2
Institutional establishments	2	Slums	0	Total	16
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	4
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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	Karuvattakulam	500		9.22225 - 76.60922	Bad	Yes
2	Water Body	Ilayappan Kulam	400		9.176539 - 76.739272	Bad	Yes
3	Water Body	Valiyakulam	650		9.15719 - 76.74185	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.2	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	4	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	Water demand	16	Gap in water supply	12
Water treatment capacity	10	Water to be treated	16	Gap in water treatment	6
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	2674	Total households including slums	9333	Gap in households tap connections including slums	6659
Used Water					
Used water being treated	0	Used water generation	6.4	Gap in used water treatment	6.4
Used water being recycled	0	Used water to be recycled (20%)	1.28	Gap in used water recycling	1.28
Sewer connections provided (including coverage with septage management)	0	Total households	9333	Gap in household sewer connections/ coverage with septage management	9333