

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**PATTAMBI**



District  
**PALAKKAD**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	BINU MM	MUNICIPAL ENGINEER	0466-2212233	9495320765	aelsgdptmbmnpity@gmail.com
<b>Mayor.Pre</b>	O LAKSHMIKUTTY	NA	0466-2212233	9048409491	pattambimunicipality@gmail.com
<b>Municipal.C/C.Ofc</b>	NASSIM E	NA	0466-2212233	8301867664	pattambimunicipality@gmail.com
<b>Head,W.S/S.De</b>	ASSISTANT ENGINEER	NA	04662212233	9495320765	aelsgdptmbmnpity@gmail.com
<b>HOD/P.H.de</b>	ABDUL SATHAAR	NA	0466-2212233	9995219822	pattambimunicipality@gmail.com

### Parastatal Agency

Any parastatal agency engaged? : **No**

### City profile as per FY 2020-21

City population(Census 2011)	28632	Households (Census 2011)	7070	City area (sq. km.)	15.84
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	34358	Households in 2021(no.)	8483
Population density	2169	Slum population in 2021	0	Slum households 2021	0


### Future Projection

City population in 2025	37107	Households in 2025	9162	Slum households in 2025	0
-------------------------	-------	--------------------	------	-------------------------	---

**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	ASSISTANT ENGINEER	ABDULLA	04662970139	8547638318	aephptb@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	BHARATHA PUZHA	

## 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	Bharathapuzha	2	0.8	No	NA
2	Tube Well	tube wells	36	0.6	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	Pattambi	2.5	0.8	Bharathapuzha	Other(filter media)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	4270	4566	.8
2	Commercial Establishments	309	NA	.5
3	Institutional Establishments	0	NA	0
4	Slums	0	0	0
5	Industries	0	NA	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.8	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	0.8	Average per capita water supply in LPCD	43.261

### Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	6.49	Commercial establishments	0.8	Industries	0.2
Institutional establishments	0.2	Slums	0	Total	7.69
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	0
---	-----	--------	-------------	---	---

### Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	BHARATHAPUZHA	134		10.770388 - 76.37706	Good	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.64	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.12	Sewage treated through STP in MLD	0

### Septage Coverage

No. of households covered	0	Sewage generated in MLD	1.12	Sludge treated through FSSM in KLD	0	Grey water recycled in MLD	0
---------------------------	---	-------------------------	------	------------------------------------	---	----------------------------	---

### 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
1	NIL	0	0	0	Others(NIL)	0	No	NA

## 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)	
<b>Water Supply</b>					
Water supplied to households	0.8	Water demand	7.69	Gap in water supply	6.89
Water treatment capacity	2.5	Water to be treated	7.69	Gap in water treatment	5.19
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4566	Total households including slums	9162	Gap in households tap connections including slums	4596
<b>Used Water</b>					
Used water being treated	0	Used water generation	5.192	Gap in used water treatment	5.192
Used water being recycled	0	Used water to be recycled (20%)	1.038	Gap in used water recycling	1.038
Sewer connections provided (including coverage with septage management)	0	Total households	9162	Gap in household sewer connections/ coverage with septage management	9162