

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PUNALUR (M)



District
KOLLAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	SREEDEVI VS	ASSISTANT EXECUTIVE ENGINEER	04752222683	9946114240	aEEPUNALURMunicipality@gmail.com
Mayor.Pre	NIMMY ABRAHAM	NA	04752222683	9447206374	nimmyplr2020@gmail.com
Municipal.C/C.Ofc	NOUSHAD A	NA	04752222683	9495882910	secypnlr@gmail.com
Head,W.S/S.De	S VENKATESAPATHY IAS	NA		9447798383	mdunitkwa@gmail.com
HOD/P.H.de	SHAHIR SHAH	NA		9447051097	thqhospitalpunalur@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	SANJU J	ASSISTANT ENGINEER	04752227484	8547638548	aekwapunalur@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	46702	Households (Census 2011)	12606	City area (sq. km.)	34.35
Wards in city	35	Slum settlements (No.)	0	Industries (No.)	3
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	56042	Households in 2021(no.)	13838
Population density	1631	Slum population in 2021	0	Slum households 2021	0




Future Projection

City population in 2025	60525	Households in 2025	14944	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	SANJU J	04752227484	8547638548	aekwapunalur@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	KALLADA RIVER	
2	Women Self Help Group	KUDUMBASREE BAZAAR	
3	Water Body	THODU	

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	KALLADA RIVER	2	8.5	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	NELLIPALLY WTP design capacity 9 MLD	4.5	4.5	KALLADA RIVER	Other(ANALYTICS)
2	JICA MEENAD SCHEME	4	4	KALLADA RIVER	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	7507	9810	4.56
2	Commercial Establishments	1152	NA	1.152
3	Slums	0		0
4	Industries	3	NA	0.06
5	Institutional Establishments	1150	NA	2.3

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.56	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	4.56	Average per capita water supply in LPCD	114.773

Estimated Future Water Demand in 2025 (in MLD)
























Residential/ Households including slums	9.07	Commercial establishments	1.44	Industries	.25
Institutional establishments	2.5	Slums	0	Total	13.26
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	1
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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	KALLADA RIVER	20			Bad	No
2	Water Body	THODU	1.2			Bad	No
3	Community Well	ASHTAMANGALAM WELL	0.001			Bad	No
4	Community Well	ASHTAMANGALAM WELL	0.001			Bad	No
5	Community Well	ASHTAMANGALAM WELL	0.001			Bad	No
6	Community Well	ASHTAMANGALAM WELL	0.001			Bad	No
7	Community Well	ASHTAMANGALAM WELL	0.001			Bad	No
8	Community Well	CHALACODE	0.001			Bad	No
9	Community Well	KELANKAV WELL	0.001			Bad	No
10	Community Well	MANIYAR WELL	0.001			Bad	No
11	Community Well	MANIYAR WELL	0.001			Bad	No
12	Community Well	MANIYAR WELL	0.001			Bad	No
13	Community Well	MANIYAR WELL	0.001			Bad	No
14	Community Well	MUSAVARI WELL	0.001			Bad	No
15	Community Well	PARAVATTAM	0.001			Bad	No
16	Community Well	THOLICODE	0.001			Bad	No
17	Community Well	ARAMPUNNA WELL	0.001			Bad	No
18	Community Well	ARAMPUNNA WELL	0.001			Bad	No
19	Community Well	TOWN WELL	0.001			Bad	No
20	Community Well	TOWN WELL	0.001			Bad	No
21	Community Well	GRACING BLOCK WELL	0.001			Bad	No
22	Community Well	GRACING BLOCK WELL	0.001			Bad	No
23	Community Well	GRACING BLOCK WELL	0.001			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	3.648	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	4.4	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	4.56	Water demand	13.26	Gap in water supply	8.7
Water treatment capacity	8.5	Water to be treated	13.26	Gap in water treatment	4.76
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	9810	Total households including slums	14944	Gap in households tap connections including slums	5134
Used Water					
Used water being treated	0	Used water generation	7.256	Gap in used water treatment	7.256
Used water being recycled	0	Used water to be recycled (20%)	1.451	Gap in used water recycling	1.451
Sewer connections provided (including coverage with septage management)	0	Total households	14944	Gap in household sewer connections/ coverage with septage management	14944