CITY WATER BALANCE PLAN

Basic Details

ULB Information

City
PAYYANNUR (M)

District
KANNUR

State
KERALA

Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Unni K	AE	04985202067	9446269811	aepnrmlty@gmail.com
Mayor.Pre	K V LALITHA	NA	04985202067	9961611613	chairmanpnrmlty@gmail.com
Municipal.C/C.Ofc	GIRISH M K	NA	04985202067	9846186825	secypynr@gmail.com
Head,W.S/S.De	BASTIN JHON	NA	04985207480	8547638303	aeewspnr@gmail.com
HOD/P.H.de	Dr RAJEESH	NA	04985205716	7034102138	thpayyanur@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	Mr BASTIN JHON	Assistant Excecutive Engineer	04985205680	8547638303	aeewspnr@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	72131	**Households (Census 2011)**	17061	**City area (sq. km.)**	55
Wards in city	44	**Slum settlements (No.)**	0	**Industries (No.)**	5
Industrial clusters	1	**Population survey conducted in the last five years ?**	No	**Survey year**	NA
Survey city population	NA	**City population in 2021**	90684	**Households in 2021(no.)**	25875
Population density	1649	**Slum population in 2021**	0	**Slum households 2021**	0

Future Projection

City population in 2025	98105	**Households in 2025**	29490	**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	Experts	Mr BASTIN JHON	Mr BASTIN JHON	04985205680	8547638303	aeewspnr@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Women Self Help Group	Kudumba sree units	
2	Park	Vayojana Park	
3	Park	Childrens park	
4	Park	Kandoth Vayojana Park	
5	Park	Uliyath kadav Park	
6	Water Body	Kavvayi River	
7	Water Body	Perumba River	
8	Park	Kavvayi Park	
9	Park	Gandhi Park	
10	Park	Thanal 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	Dam	Pazhassi dam	1	2	Yes	63

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	JICAPERUVALATHPARAMBA	2	2	Pazhassi dam	SCADA

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	2433	2643	1.279
2	Commercial Establishments	205	NA	0.205
3	Institutional Establishments	5	NA	0.010
4	Industries	0	NA	0
5	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	1.279	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	1.279	Average per capita water supply in LPCD	138.263

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	14.716	Commercial establishments	0.256	Industries	0.250
Institutional establishments	0.013	Slums	0	Total	15.235
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**	53

Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Kuniyan river	0.86			Bad	No
2	Water Body	Perumba River	1.21			Bad	No
3	Water Body	Kavvayi	1.41			Bad	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	**Sewage generated in MLD**	1.023	**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

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	1.279	Water demand	15.235	Gap in water supply	13.956
Water treatment capacity	2	Water to be treated	15.235	Gap in water treatment	13.235
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	2643	Total households including slums	29490	Gap in households tap connections including slums	26847
Used Water					
Used water being treated	0	Used water generation	11.773	Gap in used water treatment	11.773
Used water being recycled	0	Used water to be recycled (20%)	2.355	Gap in used water recycling	2.355
Sewer connections provided (including coverage with septage management)	0	Total households	29490	Gap in household sewer connections/ coverage with septage management	29490