

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PIRAVOM



District
ERNAKULAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Muhazin PM	AE	0485-2242339	9400884851	muhasinpm@gmail.com
Mayor.Pre	Aleyamma Philip	NA	04852242339	8848752365	aleyammathyparampil@gmail.com
Municipal.C/C.Ofc	Krishnaraj NP	NA	04852242339	9745255152	piravommunicipality@gmail.com
Head,W.S/S.De	Harikrishan C	NA	04852242462	9946663157	aekwapvm@gmail.com
HOD/P.H.de	Dr Sunil j	NA	04852243923	9447267365	chcpiravio@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	Harikrishan C	AE	04852242462	9946663157	aekwapvm@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	29105	Households (Census 2011)	7186	City area (sq. km.)	29.36
Wards in city	27	Slum settlements (No.)	00	Industries (No.)	1
Industrial clusters	00	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	34926	Households in 2021(no.)	8624
Population density	1190	Slum population in 2021	0	Slum households 2021	0





Future Projection

City population in 2025	37720	Households in 2025	9314	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	Engineering College	Toc H Institute of Science And Technology	Dr Vasudav R	04842748388	7012589210	vasu.vasudev@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	Water Body	
2	Park	PIRAVOM CHILDRENS PARK	
3	Women Self Help Group	Women Self Help Group	
4	Sewage Treatment Plant/ Water Treatment Plant	Water Treatment Plant PIRAVOM	

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	PIRAVOM	2	7	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	PIRAVOM kakkad	6.06	6.06	PIRAVOM	Other(MANUAL MONITORING)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	5435	4956	5
2	Commercial Establishments	479	NA	.9
3	Institutional Establishments	4	NA	0.16
4	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	5	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	5	Average per capita water supply in LPCD	249.106

Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	7.544	Commercial establishments	1.5	Industries	0.1
Institutional establishments	0.2	Slums	0	Total	9.344
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	10
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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	Muvattupuzha river	180		-	Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	4	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	5	Water demand	9.344	Gap in water supply	4.344
Water treatment capacity	6.06	Water to be treated	9.344	Gap in water treatment	3.284
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	4956	Total households including slums	9314	Gap in households tap connections including slums	4358
Used Water					
Used water being treated	0	Used water generation	6.035	Gap in used water treatment	6.035
Used water being recycled	0	Used water to be recycled (20%)	1.207	Gap in used water recycling	1.207
Sewer connections provided (including coverage with septage management)	0	Total households	9314	Gap in household sewer connections/ coverage with septage management	9314