

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PALAKKAD (M)



District
PALAKKAD



State
KERALA



Existing AMRUT City
Yes

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	AABHA MOL KV	Assistant Engineer	04912534634	6282588155	aabhakv@gmail.com
Mayor.Pre	PRIYA K	NA	04912534158	9746775160	priyaajayan04@gmail.com
Municipal.C/C.Ofc	D JAYAKUMAR	NA	04912534158	9447197806	secypkd@gmail.com
Head,W.S/S.De	E V RAJAGOPALAN	NA	04912544927	8547638023	phcirclepkd@gmail.com
HOD/P.H.de	MANOJ KUMAR C	NA	04912534634	9447442349	hspmcpalakkad@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	KWA	ANSAL JOHN	EE	04912544927	8547638064	eephalakkadkwa@gmail.com

City profile as per FY 2021-22

City population(Census 2011)	131019	Households (Census 2011)	32350	City area (sq. km.)	26
Wards in city	52	Slum settlements (No.)	15	Industries (No.)	2
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	157223	Households in 2021(no.)	38820
Population density	6047	Slum population in 2021	491	Slum households 2021	121





Future Projection

City population in 2025	169801	Households in 2025	41926	Slum households in 2025	131
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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	KWA	ANSAL JOHN	04912544927	8547638064	eephalakkadkwa@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Water Body	MALAMPUZHA DAM	
2	Park	VATIKA AND AR COLONY	
3	Women Self Help Group	KUDUMBASREE UNITS	
4	Sewage Treatment Plant/ Water Treatment Plant	WATER TREATMENT PLANT	

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	MALAMPUZHA	1	34	Yes	8

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	MALAMPUZHA WTP1	12.5	12.5	MALAMPUZHA	Other(CONVENTIONAL)
2	MALAMPUZHA WTP2	9	9	MALAMPUZHA	Other(CONVENTIONAL)
3	MALAMPUZHA (NEWPLANT)	45	45	MALAMPUZHA	Other(conventional)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	34588	34588	12.8
2	Commercial Establishments	3830	NA	4
3	Industries	34	NA	0.2
4	Slums	0	0	0
5	Institutional Establishments	115	NA	3

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	12.8	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	12.8	Average per capita water supply in LPCD	91.375

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	30	Commercial establishments	5	Industries	0.450
Institutional establishments	4	Slums	0	Total	39.45
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
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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	KALPATHY RIVER	0.4		10.79537 - 76.64622	Good	Yes
2	Community Well	RWH AT DISTRICT PANJAYATH PALAKKAD	0.001		10.76276 - 76.65966	Good	No
3	Water Body	THONDIKULAM POND	0.006		10.76837 - 76.64169	Good	Yes

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	10.24	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	38820	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
1	Yakkara Septage Plant	0.1	0.1	00	Agriculture	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)	
Water Supply					
Water supplied to households	12.8	Water demand	39.45	Gap in water supply	26.65
Water treatment capacity	66.5	Water to be treated	39.45	Gap in water treatment	-27.05
Households with tap connections in slums	0	Total slum households	131	Gap in household tap connections	131
Households covered with Tap connections (City)	34588	Total households including slums	41926	Gap in households tap connections including slums	7338
Used Water					
Used water being treated	0	Used water generation	24	Gap in used water treatment	24
Used water being recycled	0	Used water to be recycled (20%)	4.8	Gap in used water recycling	4.8
Sewer connections provided (including coverage with septage management)	0	Total households	41926	Gap in household sewer connections/ coverage with septage management	41926