

CITY WATER BALANCE PLAN

Basic Details

ULB Information



City
PARAPPANANGADI



District
MALAPPURAM



State
KERALA



Existing AMRUT City
No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	BIPIN NV	ASSISTANT ENGINEER	4942410239	9526021311	aeparappanangadimunicipality@gmail.com
Mayor.Pre	USMAN A	NA	4942410239	9447107108	parappanangadimunicipality@gmail.com
Municipal.C/C.O fc	SANANDA SINGH B	NA	4942410239	9495202661	parappanangadimunicipality@gmail.com
Head,W.S/S.De	AMBILI	NA	8289940595	8289940595	aekwaparappanangadi@gmail.com
HOD/P.H.de	RAJEEVAN K V	NA	4942410239	9495416591	parappanangadimunicipality@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	AMBILI	ASSISTANT ENGINEER	8289940595	8289940595	aekwaparappanangadi@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	71239	Households (Census 2011)	17590	City area (sq. km.)	22.5
Wards in city	45	Slum settlements (No.)	0	Industries (No.)	42
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	85487	Households in 2021(no.)	21108
Population density	3799	Slum population in 2021	0	Slum households 2021	0



Future Projection

City population in 2025	92326	Households in 2025	22797	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	KWA	AMBILI	8289940595	8289940595	aekwaparappanangadi@gmail.com

Uploaded Images

#	Type	Name	Uploaded image(s)
1	Women Self Help Group	Women Self Help Group	
2	Water Body	Water bodies	

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	Kadalundi river	1	0.45	No	NA
2	Pond	Nullakulam	1	0.001	No	NA
3	Pond	Charamkulam	1	0.001	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	Parappanangadi WTP	0.45	0.45	Kadalundi river	Other(Analytic)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	613	667	0.372
2	Commercial Establishments	54	NA	0.054
3	Slums	0	0	0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.372	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	0.372	Average per capita water supply in LPCD	137.709

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	13.849	Commercial establishments	0.068	Industries	0.250
Institutional establishments	0.250	Slums	0	Total	14.417
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	6
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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	Kadalundi Puzha	5			Good	No
2	Community Well	Municipal Well	0.006			Good	No

Used Water

Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0.298	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	0.372	Water demand	14.417	Gap in water supply	14.045
Water treatment capacity	0.45	Water to be treated	14.417	Gap in water treatment	13.967
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	667	Total households including slums	22797	Gap in households tap connections including slums	22130
Used Water					
Used water being treated	0	Used water generation	11.079	Gap in used water treatment	11.079
Used water being recycled	0	Used water to be recycled (20%)	2.216	Gap in used water recycling	2.216
Sewer connections provided (including coverage with septage management)	0	Total households	22797	Gap in household sewer connections/ coverage with septage management	22797