CITY WATER BALANCE PLAN

Basic Details

ULB Information





500 State

KERALA

Existing AMRUT City

ANO.

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
Nodal Officer	Thrissi S Balan	Assistant Engineer		8330032168	lsgdcgnrmlty@gma il.com
Mayor.Pre	Mariyamma john philip	NA	04792450544	9495954302	seccgnrmlty@gmail .com
Municipal.C/C.Ofc	Prasad C	NA		9447401770	seccgnrmlty@gmail .com
Head,W.S/S.De	Venkateshapathy IAS	NA		9447798383	mdunitkwa@gmail. com
HOD/P.H.de	Sujith sudhakaran	NA		8606610242	seccgnrmlty@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	Joshua sam	Assistant Engineer		8547638527	kwaphscnr@gmail.com

City profile as per FY 2020-21

City population(Census 2011)	23456	Households (Census 2011)	5792	City area (sq. km.)	14
Wards in city	27	Slum settlements (No.)	0	Industries (No.)	1
Industrial clusters	1	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	28147	Households in 2021(no.)	6950
Population density	2011	Slum population in 2021	0	Slum households 2021	0

Future Projection

	City population in 2025	30399	Households in 2025	7506	Slum households in 2025	0
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Engineering College/ Organization/ Experts Working in Water Sector in the ULB

#	Туре	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
1	Organization	Kerala Water Authority	Joshua sam		8547638527	kwaphscnr@gmail.com

Uploaded Images

#	Туре	Name	Uploaded image(s)
1	Women Self Help Group	Women self help group	ATTER T
2	Water Body	pampa	
3	Water Body	varattar	
4	Water Body	illimala thodu	

Water Supply

Major Water Sources Details

#	Туре	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
1	River	pampa	2	4.75	Yes	3

Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Kunnathumala WTP	2.25	2.25	pampa	Other(manual)
2	Malayil WTP	2.5	2.5	pampa	Other(manual)

Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	3040	3040	4.25
2	Commercial Establishments	275	NA	0.3
3	Industries	1	NA	0.02
4	Institutional Establishments	10	NA	0.1
5	Slums	0		0

Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	4.25	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	4.25	Average per capita water supply in LPCD	345.192

Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	6	Commercial establishments	1	Industries	0.5
Institutional establishments	1	Slums	1	Total	8.5
Are you going to met the 100% future demand through subsurface water source?		Yes	How much future deman through subsurface wate		NA

WB Rejuvenation & RWH

Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Not implemented	No. of water tanks at religious places in your city	9	
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Water Source Quality Assessment

#	Туре	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Pampa river	2			Good	No
2	Water Body	varattar	3	学		Good	Yes
3	Water Body	ilimala thodu	1.5			Bad	No

Used Water

Household c	onne	cted to sewe	r network							
No. of households covered		0		bewage Jenerated in ALD	3.4		Sewage treated through STP in MLD		3.8	
Household n	ot co	nnected to s	ewer networ	k						
No. of households covered		0		Sewage Jenerated in ALD	0		Sewage treated through STP in MLD		0	
eptage Cov	verag	le			-					
No. of households 0 covered		Sewage generated in MLD		0	Sludge treated through FSSM in KLD	0		Grey water recycled in MLD 0		0
	atmo	ent Plants	(STP)							
ewage Trea	itilit									

City Water Balance Plan Summary

Current Infrastruc FY21-22 (A)	ture assets/supply	Projected consumption FY25-26 (B)	on/demand	Estimated gap FY25-26 (C)= (B)-(A				
Water Supply								
Water supplied to households	4.25	Water demand	8.5	Gap in water supply	4.25			
Water treatment capacity	4.75	Water to be treated	8.5	Gap in water treatment	3.75			
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0			
Households covered with Tap connections (City)	Provered with Cap 3040 sonnections		7506	Gap in households tap connections including slums	4466			
Used Water								
Used water being treated	3.8	Used water generation	4.8	Gap in used water treatment	1			
Used water being recycled	0	Used water to be recycled (20%)	0.96	Gap in used water recycling	0.96			
Sewer connections provided (including coverage with septage management)	0	Total households	7506	Gap in household sewer connections/ coverage with septage management	7506			