

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
**HARIPAD**



District  
**ALAPPUZHA**



State  
**KERALA**



Existing AMRUT City  
**No**

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	Deepa S	Assistant engineer	04792412766	9961102890	aelsgdharipadmunicipality@gmail.com
<b>Mayor.Pre</b>	KM Raju	NA	04792412766	9747171000	kmrajupd@gmail.com
<b>Municipal.C/C.Ofc</b>	Deepesh R K	NA	04792412766	7025896020	secretaryharipad@gmail.com
<b>Head,W.S/S.De</b>	S VENKATESAPATHY IAS	NA	9447798383	9447798383	mdunitkwa@gmail.com
<b>HOD/P.H.de</b>	Binoy	NA	04792412766	9447347337	nikhithniha@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	M Ashraf	Assistant Engineer		8547638528	aekwahpd@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	30977	Households (Census 2011)	7649	City area (sq. km.)	19.24
Wards in city	29	Slum settlements (No.)	0	Industries (No.)	0
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	37172	Households in 2021(no.)	9178
Population density	1932	Slum population in 2021	0	Slum households 2021	0



### Future Projection

City population in 2025	40146	Households in 2025	9913	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	Kerala water Authority	M Ashraf	04792418175	8547638528	aekwahpd@gmail.com

**Uploaded Images**

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

## 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	Tube Well	Trippakulam	680	0.68	No	NA
2	Tube Well	KARTHIKAPALLY	85	0.1	Yes	15
3	Tube Well	PALLIPPAD	85	0.1	Yes	18

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
No data available in table					

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	850	850	0.81
2	Commercial Establishments	20	NA	0.02
3	Industries	1	NA	0.02
4	Institutional Establishments	15	NA	0.03
5	Slums	0	0	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	0.81	Water supply directly through tankers in MLD	1.2	Water supply through tubewell & borewell in MLD	0.03
Treated water supply in MLD	0	Total water supply in MLD	2.0399999999999996	Average per capita water supply in LPCD	235.294

### Estimated Future Water Demand in 2025 (in MLD)


Residential/ Households including slums	5.45	Commercial establishments	0.25	Industries	0.25
Institutional establishments	0.25	Slums	0	Total	6.2
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	29
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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	Chooranikulam	1990			Good	No
2	Water Body	Perumkulam	14100			Good	No
3	Water Body	thevalappurathu	250			Bad	No

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.632	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.496	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)	
<b>Water Supply</b>					
Water supplied to households	2.0399999999999996	Water demand	6.2	Gap in water supply	4.16
Water treatment capacity	0	Water to be treated	6.2	Gap in water treatment	6.2
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	850	Total households including slums	9913	Gap in households tap connections including slums	9063
<b>Used Water</b>					
Used water being treated	0	Used water generation	4.36	Gap in used water treatment	4.36
Used water being recycled	0	Used water to be recycled (20%)	0.872	Gap in used water recycling	0.872
Sewer connections provided (including coverage with septage management)	0	Total households	9913	Gap in household sewer connections/ coverage with septage management	9913