

# ANNEXURE - IV

## ABSTRACT- STATE WATER ACTION PLAN- WATER SUPPLY- TRANCHE 1 &2

DESCRIPTION	Total No. of ULBs	1st tranche		2nd tranche		Total CapEx cost of project (Cr)	Total Excess Amount (Cr)	O&M cost (Cr)	Land availability	Status of Council resolution recieved		
		Number of Projects	CapEx cost of project (Cr)	Number of Projects	CapEx cost of project (Cr)							
<b>WS PROJECTS TO BE IMPLEMENTED BY ULBs</b>	9	15	53.704	14	49.551	103.255	NA	7.952	9	9		
<b>KWA Projects -Water Supply- PROPOSALS WITHIN LIMIT</b>	64	102	934.8434	62	790.2877	1725.1311	NA	87.33821	64	64		
<b>KWA Projects- ULBs PROPOSALS WITHIN 20% OF ALLOCATED FUND</b>	17	20	155.172	18	36.928	192.1	8.02	14.4752	17	17		
<b>PROJECTS- WS PROPOSALS WITH EXCESS- 20 - 30% OF ALLOCATED FUND</b>	3	4	33.848	1	2.75	36.598	7.591	1.5	3	3		
<b>TOTAL</b>	<b>93</b>	<b>141</b>	<b>1177.567</b>	<b>95</b>	<b>879.5167</b>	<b>2057.0841</b>	<b>15.611</b>	<b>111.26541</b>	<b>93</b>	<b>93</b>		

### 1. WS PROJECTS TO BE IMPLEMENTED BY ULBs

SL. No	District	Name of Corpn./ Municipality	Total Number of Projects	Fund allocation (Cr)	Floating Incentive Fund (Cr)	TOTAL CapEx cost of project (Cr)	O&M Cost	1st tranche			2nd tranche			Total Excess Amount(Cr)	% excess	Status of Council resolution	LAND AVAILABILITY
								Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost				
1	Kannur	Panoor	5	18.020	0	2.2	0.178	2	0.86	0.065	3	1.34	0.113	-15.820	-87.791	Yes	No land available 1 Project
2	Kannur	Sreekandapuram	4	9.729	0	9.729	0.9	1	4.229	0.35	3	5.5	0.55	0	0.000	Yes	YES
3	Kasaragod	Neeleswaram	7	12.251	0	12.25	1.05	3	3.25	0.3	4	9	0.75	-0.001	-0.008	Yes	YES
4	Kasaragod	Kanhangad (M)	1	21.685	0	5	0.5	0	0	0	1	5	0.5	-16.685	-76.943	Yes	YES
5	Malappuram	Tanur	1	20.636	0.000	20.636	1.000	0	0	0.000	1	20.636	1.000	0.000	0.000	Yes	YES
6	Malappuram	Nilambur	5	10.435	0	9.92	1.984	5	9.92	1.984	0	0	0	-0.515	-4.935	Yes	YES
7	Thrissur	Kunnamkulam	1	14.565	0	14.565	1.5	1	14.565	1.5	0	0	0	0.000	0.000	Yes	YES
8	Thrissur	Wadakkancherry (New)	4	20.075	0	20.075	0.4	2	12	1.2	2	8.075	-0.8	0	0.000	Yes	YES
9	Kottayam	Erattupetta	1	8.876	0	8.88	0.44	1	8.88	0.44	0	0	0	0.004	0.045	Yes	Yes
<b>TOTAL</b>			<b>29</b>	<b>136.272</b>	<b>0</b>	<b>103.255</b>	<b>7.952</b>	<b>15</b>	<b>53.704</b>	<b>5.839</b>	<b>14</b>	<b>49.551</b>	<b>2.113</b>	<b>-33.017</b>			

### 2. WS PROJECTS TO BE IMPLEMENTED BY KWA

#### 2.1 KWA Projects-WS PROPOSALS WITHIN LIMIT

SL. No	District	Name of Corpn./ Municipality	Total Number of Projects	Fund allocation (Cr)	Floating Incentive Fund (Cr)	TOTAL CapEx cost of project (Cr)	O&M Cost	1st tranche			2nd tranche			Total Excess Amount(Cr)	% excess	Status of Council resolution	LAND AVAILABILITY
								Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost				
1	Thiruvananthapuram	Thiruvananthapuram	45	100.68	193.45	294.125	14.706	26	76.6544	0.092	19	217.4706	14.614	-0.005	-0.005	YES	yes
2	Kollam	Kollam	10	120	107.13	227.13	7.4333	2	74.2	4.872	8	152.93	2.5613	0	0.000	yes	YES
3	Alappuzha	Alappuzha (M)	4	44.098	23.14	39.82	2.26	1	28.5	0	3	11.32	2.26	-27.418	-40.778	YES	yes
4	Ernakulam	Kochi	25	116.113	68.79	152.68	6.055	14	57.97	2.472	11	94.71	3.583	-32.22	-17.427	YES	No land available for 3project
5	Thrissur	Thrissur	7	84.99	63.37	141.5	10.65	4	38.5	3.85	3	103	6.8	-6.86	-4.624	YES	No land available for 1 project
6	Thrissur	Guruvayoor	1	23.733	2.01	23.733	2	1	23.733	2	0	0	0	-2.01	-7.808	YES	YES
7	Palakkad	Palakkad	1	18.241	12.66	18.24	0.6	1	18.24	0.6	0	0	0	-12.661	-40.973	YES	YES
8	Kozhikode	Kozhikode (M Corp.)	3	120	139.03	120	3.1	1	110	3	2	10	0.1	-139.03	-53.673	YES	YES
9	Kannur	Kannur (M)	7	69.666	26.58	70	5.255	4	32	2.4	3	38	2.855	-26.25	-27.270	YES	YES
10	Alappuzha	Chengannur (M)	1	5.013	0	3.2	0.8	1	3.2	0.8	0	0	0	-1.813	-36.166	YES	YES
11	Alappuzha	Kayamkulam	1	19.697	0	19.697	0.19	1	19.697	0.19	0	0	0	0	0.000	YES	NO
12	Ernakulam	Paravoor (North)	1	5.165	0	5.165	0.01	1	5.165	0.01	0	0	0	0	0.000	YES	YES
13	Ernakulam	Angamali	1	4.761	0	4.761	0.2	1	4.761	0.2	0	0	0	0	0.000	YES	YES
14	Ernakulam	Kalamassery	1	13.413	0	13.413	1	1	13.413	1	0	0	0	0	0.000	YES	YES
15	Ernakulam	Aluva	1	1.348	0.000	1.348	0.013	1	1.348	0.013	0	0.000	0.000	0.000	0.000	YES	YES
16	Ernakulam	Maradu	1	1.583	0	1.58	0.158	1	1.58	0.158	0	0	0	-0.003	-0.190	YES	YES
17	Ernakulam	Muvattupuzha	1	6.401	0	6.4	0.5	1	6.4	0.5	0	0	0	-0.001	-0.016	YES	YES
18	Ernakulam	Thrikkakkara	1	3.052	0	3.05	0.305	1	3.05	0.305	0	0	0	-0.002	-0.066	YES	YES
19	Ernakulam	Koothattukulam	1	5.503	0	4.714	0.5	1	4.714	0.5	0	0	0	-0.789	-14.338	YES	YES

SL. No	District	Name of Corpn./ Municipality	Total Number of Projects	Fund allocation (Cr)	Floating Incentive Fund (Cr)	TOTALCapEx cost of project (Cr)	O&M Cost	1st tranche			2nd tranche			Total Excess Amount(Cr)	% excess	Status of Council resolution	LAND AVAILABILITY
								Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost				
20	Ernakulam	Thrippunithura	1	12.294	0	12.29	0.2	1	12.29	0.2	0	0	0	-0.004	-0.033	YES	YES
21	Ernakulam	Piravom	1	4.331	0	4.331	0.2	1	4.331	0.2	0	0	0	0	0.000	YES	YES
22	Idukki	Kattappana	1	14.432	0	14.4	2	1	14.4	2	0	0	0	-0.032	-0.222	YES	yes
23	Kannur	Payyanur	1	23.211	0	23.211	1.161	0	0	0	1	23.211	1.161	0	0.000	YES	YES
24	Kannur	Mattannur (M)	1	13.378	0	13.378	1	0	0	0	1	13.378	1	0	0.000	YES	YES
25	Kannur	Iritty	1	11.351	0	11.35	1.2	0	0	0	1	11.35	1.2	-0.001	-0.009	YES	YES
26	Kannur	Taliparamba (M)	1	6.414	0	6.414	0.5	1	6.414	0.5	0	0	0	0	0.000	YES	YES
27	Kannur	Anthoor	1	6.755	0	6.755	0.5	1	6.755	0.5	0	0	0	0	0.000	Yes	YES
28	Kannur	Koothuparamba	1	9.376	0	9.37	0.7	1	9.37	0.7	0	0	0	-0.006	-0.064	Yes	YES
29	Kannur	Thalassery (M)	1	24.646	0	24.646	1.848	1	24.646	1.848	0	0	0	0	0.000	Yes	
30	Kasaragod	Kasaragod	1	11.143	0	11.143	0.55	0	0	0	1	11.143	0.55	0	0.000	YES	NO
31	Kollam	Paravoor (M)	1	13.093	0	13.093	0.2	1	13.093	0.2	0	0	0	0	0.000	YES	yes
32	Kollam	Karunagappally	1	13.614	0	13.614	0.13	1	13.614	0.13	0	0	0	0	0.000	YES	YES
33	Kollam	Kottarakkara	2	10.529	0	8.81	0.09	1	6.81	0.07	1	2	0.02	-1.719	-16.326	YES	NO land for 1 project
34	Kottayam	Changanassery (M)	1	15.014	0	11.23	0.15	1	11.23	0.15	0	0	0	-3.784	-25.203	YES	YES
35	Kottayam	Kottayam (M)	3	49.812	0	40	2	2	10	0.5	1	30	1.5	-9.812	-19.698	YES	yes
36	Kottayam	Palai (M)	1	4.961	0	4.96	0.3	1	4.96	0.3	0	0	0	-0.001	-0.020	YES	Yes
37	Kottayam	Ettumanoor	1	16.068	0	11.31	1	1	11.31	1	0	0	0	-4.758	-29.612	YES	Yes
38	Kozhikode	Payyoli	1	15.424	0	15.424	0.46272	0	0	0	1	15.424	0.46272	0	0.000	YES	NO
39	Kozhikode	Koduvally	1	14.38	0	14.38	0.83377	0	0	0	1	14.38	0.83377	0	0.000	YES	NO
40	Kozhikode	Ramanattukara	1	9.618	0	9.618	0.02	1	9.618	0.02	0	0	0	0	0.000	Yes	yes
41	Kozhikode	Vadakara (M)	1	15.027	0	15.027	0.75	1	15.027	0.75	0	0	0	0	0.000	YES	yes
42	Kozhikode	Quilandy (M)	1	22.629	0	22.629	0.165	1	22.629	0.165	0	0	0	0	0.000	YES	YES
43	Kozhikode	Feroke	1	9.898	0	9.898	0.0098	1	9.898	0.0098	0	0	0	0	0.000	YES	YES
44	Kozhikode	Mukkam	1	12.444	0	12.44	0.65	0	0	0	1	12.44	0.65	-0.004	-0.032	YES	NO
45	Malappuram	Tirurangadi	1	14.562	0	14.562	1	0	0	0	1	14.562	1	0	0.000	YES	No
46	Malappuram	Perinthalmanna (M)	1	10.322	0	10.3	0.9	1	10.3	0.9	0	0	0	-0.022	-0.213	YES	YES
47	Malappuram	Kondotty	1	16.696	0	16.696	1	1	16.696	1	0	0	0	0	0.000	YES	YES
48	Malappuram	Ponnani	1	21.105	0	21.105	2.1	1	21.105	2.1	0	0	0	0	0.000	YES	YES
49	Malappuram	Valancherry	1	13.274	0	13.274	0.14	1	13.274	0.14	0	0	0	0	0.000	YES	YES
50	Malappuram	Malappuram	1	7.607	0	7.607	0.9	1	7.607	0.9	0	0	0	0	0.000	YES	YES
51	Malappuram	Kottakkal	1	14.989	0	14.989	0.150	1	14.989	0.150	0	0.000	0.000	0.000	0.000	yes	YES
52	Palakkad	Mannarkkad (New)	1	6.687	0	6.68	1	1	6.68	1	0	0	0	-0.007	-0.105	yes	YES
53	Palakkad	Cherupulasserry (New)	1	10.029	0	10.029	0.60174	1	10.029	0.60174	0	0	0	0	0.000	yes	YES
54	Palakkad	Pattambi (New)	1	7.04	0.00	7.04	0.7	1	7.04	0.7	0	0	0	0	0.000	YES	YES
55	Palakkad	Shornur	1	11.454	0.00	11.45	0.7	1	11.45	0.7	0	0	0	-0.004	-0.035	YES	YES
56	Thiruvananthapuram	Neyyattinkara (M)	1	18.665	0	13.89	0.3	1	13.89	0.3	0	0	0	-4.775	-25.583	YES	YES
57	Thiruvananthapuram	Varkala (M)	1	8.244	0	8.24	0.412	1	8.24	0.412	0	0	0	-0.004	-0.049	YES	yes
58	Thiruvananthapuram	Nedumangad (M)	1	10.318	0	10.2891	0.5154	0	0	0	1	10.2891	0.5154	-0.0289	-0.280	YES	No
59	Thrissur	Chavakkad	1	11.071	0	11.071	1	1	11.071	1	0	0	0	0	0.000	YES	yes
60	Thrissur	Iringalakuda	4	13.058	0	13.058	0.653	2	8.378	0.419	2	4.68	0.234	0	0.000	YES	YES
61	Thrissur	Chalakkudy	1	11.784	0	11.78	1.2	1	11.78	1.2	0	0	0	-0.004	-0.034	YES	YES
62	Thrissur	Kodungalloor	1	14.184	0	14.184	1.4	1	14.184	1.4	0	0	0	0	0.000	YES	YES
63	Waynad	Kalpetta (M)	1	5.238	0	5.238	0.05	1	5.238	0.05	0	0	0	0	0.000	YES	YES
64	Waynad	Sultan Bathery	1	13.372	0	13.372	0.26	1	13.372	0.26	0	0	0	0	0.000	YES	YES
<b>TOTAL</b>			<b>164</b>	<b>1362.998</b>	<b>636.16</b>	<b>1725.1311</b>	<b>87.33821</b>	<b>102</b>	<b>934.8434</b>	<b>45.43802</b>	<b>62</b>	<b>790.2877</b>	<b>41.90019</b>	<b>-274.0269</b>			

SL. No	District	Name of Corpn./ Municipality	Total Number of Projects	Fund allocation (Cr)	Floating Incentive Fund (Cr)	TOTAL CapEx cost of project (Cr)	O&M Cost	1st tranche			2nd tranche			Total Excess Amount(Cr)	% excess	Status of Council resolution	LAND AVAILABILITY
								Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost				

### 2.2. KWA Projects-ULBs with Proposals within 20% of Fund allocation

1	Ernakulam	Kothamangalam	11	7.988	0	9.348	0.52	2	1.1	0.08	9	8.248	0.44	1.396	17.476	YES	NO land available for 10projects
2	Malappuram	Manjeri (M)	1	23.218	0	27	2.16	1	27	2.16	0	0	0	3.782	16.289	yes	YES
3	Palakkad	Chittoor	1	6.731	0	7.812	0.7812	1	7.812	0.7812	0	0	0	1.081	16.06	YES	YES
4	Pathanamthitta	Adoor (M)	2	9.316	0	10	1.98	1	2.4	0.48	1	7.6	1.5	0.684	7.342	YES	NO land for 1 project
5	Pathanamthitta	Pandalam	3	11.05	0	11.74	2.346	1	8.71	1.74	2	3.03	0.606	0.69	6.244	YES	YES
6	Alappuzha	Cherthala (M)	1	9.257	0	9.5	0.475	1	9.5	0.475	0	0	0	0.243	2.625	YES	YES
7	Pathanamthitta	Thiruvalla	2	11.628	0	11.68	0.584	2	11.68	0.584	0	0	0	0.052	0.447	YES	YES
8	Kollam	Punalur (M)	3	8.771	0	8.8	0.09	1	3.3	0.04	2	5.5	0.05	0.029	0.331	YES	YES
9	Alappuzha	Haripad	4	8.871	0	8.9	0.44	1	3	0.2	3	5.9	0.24	0.029	0.327	YES	YES
10	Kottayam	Vaikom (M)	1	6.848	0	6.86	0.3	1	6.86	0.3	0	0	0	0.012	0.175	YES	Yes
11	Alappuzha	Mavelikkara	3	7.944	0	7.95	0.359	2	1.3	0.029	1	6.65	0.33	0.006	0.076	YES	YES
12	Thiruvananthapuram	Attingal (M)	1	7.805	0	7.81	0.5	1	7.81	0.5	0	0	0	0.005	0.064	YES	yes
13	Ernakulam	Perumbavoor	1	8.935	0	8.94	0.7	1	8.94	0.7	0	0	0	0.005	0.056	YES	YES
14	Palakkad	Ottapalam	1	10.508	0	10.51	0.24	1	10.51	0.24	0	0	0	0.002	0.019	YES	YES
15	Idukki	Thodupuzha	1	9.639	0	9.64	1	1	9.64	1	0	0	0	0.001	0.01	YES	yes
16	Malappuram	Tirur (M)	1	13.879	0	13.88	1	1	13.88	1	0	0	0	0.001	0.007	YES	YES
17	Malappuram	Parappananangadi	1	21.728	0	21.73	1	1	21.73	1	0	0	0	0.002	0.009	yes	YES
<b>TOTAL</b>			<b>38</b>	<b>184.116</b>	<b>0</b>	<b>192.1</b>	<b>14.4752</b>	<b>20</b>	<b>155.172</b>	<b>11.3092</b>	<b>18</b>	<b>36.928</b>	<b>3.166</b>	<b>8.02</b>	<b>67.55720471</b>		<b>0</b>

### 2.3. KWA Projects- ULBs With Water Supply Proposals (Excess- 20 - 30%)

SL. No	District	Name of Corpn./ Municipality	Total Number of Projects	Fund allocation (Cr)	Floating Incentive Fund (Cr)	CapEx cost of project (Cr)	O&M Cost	1st tranche			2nd tranche			Total CapEx cost of project (Cr)	% excess	Status of Council resolution	LAND AVAILABILITY
								Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost				
1	Wayanad	Mananthavadi	1	11.848	0	15.348	0.15	1	15.348	0.15	0	0	0	3.5	29.541	yes	YES
2	Ernakulam	Eloor	1	5.781	0	7	0.35	1	7	0.35	0	0	0	1.219	21.08631725	YES	YES
3	Pathanamthitta	Pathanamthitta	3	12.378	0	14.25	1	2	11.5	0.65	1	2.75	0.35	2.872	23.202	YES	YES
<b>TOTAL</b>			<b>5</b>	<b>30.007</b>	<b>0</b>	<b>36.598</b>	<b>1.5</b>	<b>4</b>	<b>33.848</b>	<b>1.15</b>	<b>1</b>	<b>2.75</b>	<b>0.35</b>	<b>7.591</b>	<b>73.82931725</b>		

<b>STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE</b>																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
<b>WS PROJECTS TO BE IMPLEMENTED BY ULBs</b>																	
1	KANNUR	PANOOR	MEETHALE PARAMB WATER SUPPLY SCHEME	This Project is proposed to supply new water Connections to house holds of Puliyanambam East ward. Project components includes Construction of open well , Pumping Station , OH Tank etc.	Storage, Distribution Network, Pumping station	Last mile connectivity	0.452	0.42	0.032	40	0	40	Available	0.21	0.157	0.085	
2	KANNUR	PANOOR	KUNHIMMOTTA WATER SUPPLY SCHEME	This Project is Proposed to Supply new Water connections to house holds of Central Elangode ward. Project components includes construction of open well, Pumping Station , OH tank etc,	Storage, Distribution Network, Pumping station	Last mile connectivity	0.473	0.44	0.033	30	0	30	Available	0.22	0.165	0.088	
3	KANNUR	SREEKANDAPURAM	MADAMPAM DWSS	This project consists of a Storage tank, distribution network, a pumping station, water treatment, transmission network of 12km, and new tap connections (605).	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	4.579	4.229	0.35	605	0	605	Available	2.11	1.59	0.879	
4	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME AT PEROLE AREA IN NILESHWARAM MUNICIPALITY	THE OBJECTIVE OF THE PROJECT IS TO PROVIDE DRINKING WATER TO HOUSE HOLDS IN THE MUNICIPAL LIMITS BY CONSTRUCTING OPEN WELL IN PEROLE AREA. PROJECT COMPONENTS INCLUDE STORAGE TANK, PUMPING STATION, NETWORK AND HOUSE CONNECTIONS.	Storage, Distribution Network, Pumping station	Last mile connectivity	1.1	1	0.1	50	0	50	Available	0.5	0.375	0.225	
5	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN KIZHAKKEKARA AND KADINHUKUZH AREA IN NILESHWARAM MUNICIPALITY	THE OBJECTIVE OF THE PROJECT IS TO PROVIDE DRINKING WATER TO HOUSE HOLDS IN THE MUNICIPAL LIMITS BY CONSTRUCTING OPEN WELL IN KIZHAKKEKARA AND KADINHUKUZH AREA. PROJECT COMPONENTS INCLUDE STORAGE TANK, PUMPING STATION, NETWORK AND HOUSE CONNECTIONS.	Storage, Distribution Network, Pumping station	Last mile connectivity	1.35	1.25	0.1	100	0	100	Available	0.63	0.464	0.256	
6	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN SUVARNAVALLY AREA IN NILESHWARAM MUNICIPALITY	The objective of the project is to provide drinking water to House holds in the municipal limits by constructing open well in Suvarnavally area. Project components include storage tank, Pumping station, network and House connections.	Storage, Distribution Network, Pumping station	Last mile connectivity	1.1	1	0.1	50	0	50	Available	0.5	0.375	0.225	
7	MALAPPURAM	NILAMBUR	AUGMENTATION OF UWSS TO NILAMBUR PHASE 1	DEMOLISHING OF 6LL EXISTING GLSR , DESIGN & CONSTRUCTION OF 10LL CAPACITY OHSR AT BUNGLOWKKUNNU, REPLACING OF DAMAGED AC PIPES & ENHANCING OF RAW WATER AND CLEAR WATER PUMPSETS	Storage, Distribution Network	Last mile connectivity	11.088	9.24	1.848	150	250	400	Available	4.62	3.465	3.003	
8	MALAPPURAM	NILAMBUR	GREEN VALLEY RESIDENCE WATER SUPPLY PROJECT IN WARD NO 20	GREEN VALLEY RESIDENCE WATER SUPPLY PROJECT IN NILAMBUR MUNICIPAL AREA - RAMANKUTH WARD - Construction of open well, providing pumpsets with tanks & Distribution network with house connection for 25 households	Storage, Distribution Network	Last mile connectivity	0.204	0.17	0.034	25	0	25	Available	0.09	0.05875	0.05525	
9	MALAPPURAM	NILAMBUR	KUTTIKUNNU COLONY WATER SUPPLY PROJECT IN WARD NO 14	WATER SUPPLY PROJECT IN NILAMBUR MUNICIPAL AREA - ENANTHI WARD -Construction of open well, providing pumpsets with tanks & Distribution network with house connection for 25 households	Storage, Distribution Network	Last mile connectivity	0.204	0.17	0.034	25	0	25	Available	0.09	0.05875	0.05525	
10	MALAPPURAM	NILAMBUR	MUKKARASSI COLONY WATER SUPPLY PROJECT IN WARD NO 14	WATER SUPPLY PROJECT IN NILAMBUR MUNICIPAL AREA - ENANTHI WARD - Construction of open well, providing pumpsets with tanks & Distribution network with house connection for 25 households	Storage, Distribution Network	Last mile connectivity	0.204	0.17	0.034	25	0	25	Available	0.09	0.05875	0.05525	

<b>STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE</b>																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
11	MALAPPURAM	NILAMBUR	PAYYAMPALLI COLONY WATER SUPPLY PROJECT IN WARD NO 15	WATER SUPPLY PROJECTS IN NILAMBUR MUNICIPAL AREA - PAYYAMPALLI WARD - Construction of open well, providing pumpsets with tanks & Distribution network with house connection for 25 households	Storage, Distribution Network	Last mile connectivity	0.204	0.17	0.034	25	0	25	Available	0.09	0.05875	0.05525	
12	THRISSUR	KUNNAMKULAM (M)	Kunnamkulam Municipality-Samrudhi Water Supply Scheme	Project includes rejuvenation of source (Kurukkanpara ponds and Chattukulam Pond) , 3 MLD Water treatment plant, 2.5 km Raw Water Pumping main (From Chattukulam to Kurukkanpara Proposed WTP), 5 LL OHSR at Kurukkanpara, 3 km Clear Water Pumping Main, 15 km Distribution line and 2760 House Connections	Storage, Distribution Network, Water treatment	Last mile connectivity	16.065	14.565	1.5	2760	0	2760	Available	7.28	5.464	3.321	
13	THRISSUR	WADAKKANCHERI	AMRUT 2.0 Wadakkanchery municipality pathazhakundu drinking water scheme.	Intakewell and pumphouse with 20HP X 2 nos Pumping /gravity main 200mm DI Pipe- 5 km Distribution 10 km Tank 3LL CONNECTIONS 2250	Storage, Distribution Network, Pumping station	Last mile connectivity	6.6	6	0.6	2168	440	2168	Available	3	2.25	1.35	
14	THRISSUR	WADAKKANCHERI	AMRUT2.0 Wadakkanchery Municipality -Chathanchira Drinking Water Scheme for ward no 11,12,13 and 14.	Pumping Station at Chathanchira with 40HP x 2 pumps Additional source at Chilanthikulam and Kaithakadu chira with 10HP pumps 5 LL Tank at Ambalakunnu Functional Household Tap Connection	Storage, Distribution Network, Pumping station	Last mile connectivity	6.6	6	0.6	1200	600	1800	Available	3	2.25	1.35	
15	KOTTAYAM	ERATTUPETTA	DRINKING WATER PROJECT IN ERATTUPETTA MUNICIPALITY (AMRUT 2.0)	DRINKING WATER PROJECT IN ERATTUPETTA MUNICIPALITY The proposed project covers three zones located on either side of the minachil river. It includes three open wells side of the river. The river has VCB nearby hence water is available in all seasons. . A pressure filter unit is used to filter the raw water and store it in the OH tank. Treatment tank and storage unit having 3 MLD capacity included in the proposal. Treated water is distributed to 700 households in each zone. Total of 2100 households. The distribution network contains almost 25 km of pipeline and a total 4 km of pumping line.	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	9.32	8.88	0.44	2100	3930	2100	Available	4.44	3.33		1.55
<b>WS PROJECTS TO BE IMPLEMENTED BY KWA</b>																	
16	KANNUR	KOOTHUPARAMBA (M)	AMRUT2.0 WSS TO KOOTHUPARAMBA MUNICIPALITY AND PATTIAM,KOTTAYAM PANCHAYATHS-LAYING DISTRIBUTION NETWORK AND PROVIDING FHTCS IN KOOTHUPARAMBU MUNICIPALITY	The main objective of this project is to provide 3020 numbers of Functional Household Tap Connections (FHTCS) to the Koothuparamba Municipality which includes line extension of existing distribution network for a length of 40 km. The diameter of the pipe varies from 140 mm to 90mm. This project also includes last mile connectivity for length of 16 km using 75 mm diameter pvc pipes . Total estimated cost of the project is 9.37 crores and is expected to complete by 2026.	Distribution Network	Last mile connectivity	10.07	9.37	0.7	3020	1275	4295	Available	4.69	3.509	1.871	
17	KANNUR	ANTHOOR	LAYING DISTRIBUTION NETWORK AND PROVIDING FHTC IN VARIOUS WARD	The project comprises of distribution network of a length of 12km and provides FSTC of 3080 numbers. These tap connectoins are distributed in all wards of the municipality.	Distribution Network	Last mile connectivity	7.255	6.755	0.5	3080	2590	5670	Available	3.38	2.531	1.344	
18	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete pipes and providing water connection in Pallikkunnu Zone	Pipe line extension (30km), replacement of old and obsolete AC/PVC pipes (10km) and providing water connection (1000nos.) in Pallikkunnu Zone of Kannur Corporation	Distribution Network	Last mile connectivity	8.6	8	0.6	1000	0	1000	Available	2.67	2.663	3.267	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
19	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete pipes and providing water connection- Puzhathi Zone	Pipe line extension (25km), replacement of old and obsolete AC/PVC pipes (8km) and providing water connection (1500 nos.) in Puzhathi Zone .	Distribution Network	Last mile connectivity	10.75	10	0.75	1500	0	1500	Available	3.33	3.337	4.083	
20	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete AC/PVC pipes and providing water connection - old municipal area	Pipe line extension (15km), replacement of old and obsolete AC/PVC pipes (4km) and providing water connection (500nos.) in Kannur Municipal area(old)under WS section II, Kannur	Distribution Network	Last mile connectivity	4.3	4	0.3	500	0	500	Available	1.33	1.337	1.633	
21	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete AC/PVC pipes and providing water connection- Elayavoor zone	Pipe line extension of length 30km, replacement of old and obsolete AC/PVC pipes of length 7.5km and providing water connection (1750 nos.) in Elayavoor zone of Kannur Corporation	Distribution Network	Last mile connectivity	10.75	10	0.75	1750	0	1750	Available	3.33	3.337	4.083	
22	KANNUR	THALASSERY (M)	Thalassery Municipality - WSS to Thalassery Municipality - Extension /replacement of distribution network and providing FHTCs	The project includes supplying and laying distribution network using various diameter pipes from 250 mm - 200 mm DI pipes, 90 mm to 150 mm PVC pipes for a total length of 63 km, replacement of old, damaged AC pipes for a length of 10 km and providing 5250 nos. FHTCs. Laying feeder line to Kommal vayal sump, PWD/ Municipal road reformation charges are also included in the estimate.	Distribution Network	Last mile connectivity	26.494	24.646	1.848	5250	4769	10019	Available	12.32	9.245	4.929	
23	KANNUR	TALIPARAMBA (M)	Construction of water storage tank (OHSR) at Pushpagiri, Vattappara and Pulimparambu and Laying of transmission pipes, connection pipes in Thaliparamba Municipality including Road restoration	The proposed project is for construction of water storage tank (OHSR) at pushpagiri, vattappara and pulimparambu and Laying of transmission pipes (4km), distribution line (10km) and connection pipes (996 numbers) at various places in Thaliparamba Municipality including Road restoration. Project cost 6.414 crore only.	Storage, Distribution Network	Last mile connectivity	6.914	6.414	0.5	996	7557	8553	Available	3.21	2.402	1.302	
24	KOZHIKODE	KOZHIKODE	WSS for Kozhikode corporation	The project included augmentation of peruvannamoozhi treatment plant to design capacity of 210mld with an augmentation of 36mld. Present plan capacity is 174mld which is decide for Kozhikode corporation with 15 adjoining Panchayaths. The project includes gap fillings distribution mains laid by JBIC for the proper supply of water from the reservoir, replacing old and damage distribution mains, providing new connections etc. Project includes, laying new distribution network of 90.12 Kms, 1 Km transmission line and replacement of existing distribution network of length 159.8 kms . Total HH connections proposed is 27225	Distribution Network, Water treatment	Last mile connectivity	113	110	3	27225	80298	107523	Available	36.66	36.673	39.667	
25	KOZHIKODE	KOYILANDY MUNICIPALITY	Amrut 2.0 Water Supply Scheme for Koyilandy Municipality	Providing drinking water house connections to 15000 house holds in the municipality. Projects envisages laying of 2.5 Km for distributions line is also included in the project	Distribution Network	Last mile connectivity	22.794	22.629	0.165	15000	319	15319	Available	11.31	8.49	2.994	
26	KOZHIKODE	FEROKE	Amrut-2 Providing Functional household tap connections by retrofitting and extension of pipelines in Feroke Municipality	Amrut-2 Providing Functional household tap connections by retrofitting and extension of pipelines in Feroke Municipality . The existing water distribution system in Feroke Municipality varies from 355mm PVC pipe to 90mm PVC pipes. In this project it is proposed to provide 4935 Nos. This project includes replacement of 0.5 Km old distribution line and laying of 8.1 kms new distribution lines	Distribution Network	Last mile connectivity	9.9078	9.898	0.0098	4935	7939	12874	Available	4.95	3.7107	1.2471	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
27	KOZIKODE	RAMANATTUKARA	AMRUT Providing Functional Household Tap Connections byRetrofitting & Extension of pipelines in Ramanattuka Municipality in Kozhikode	Providing Functional Household Tap Connections no 3170 by Retrofitting & Extension of distribution pipelines in Ramanattukara Municipality by 34 kms.	Distribution Network	Last mile connectivity	9.638	9.618	0.02	3170	2818	5988	Available	4.81	3.606	1.222	
28	KOZIKODE	VADAKARA (M)	AMRUT 2.0-WATER SUPPLY SCHEME TO VATAKARA MUNICIPALITY	AMRUT 2.0-URBAN JJM -WSS TO Vatakara Municipality - Package I - Construction of 10 LL OHSR at Veerancheri ,Construction of 30 LL OHSR at Puthiyapp , Supply Laying distribution line (including road reformation charges ) for 40 kms and replacemnet of old distribution network for 18 kms,Renovation of 13 mld WTP at Kappumala (no additional quantity of treated water is produced) and providing 2100 FHTC in various wards.	Storage, Distribution Network	Last mile connectivity	15.777	15.027	0.75	2100	9858	11958	Available	7.51	5.639	2.628	
29	MALAPPURAM	KOTTAKKAL	AMRUT 2.0 - Water Supply Scheme to Kottakkal Municipality	Replacing old aged AC pipe with DI Pipe and laying rider main. 1200 Functional Household Tap Connections	Distribution Network, Pumping station	Last mile connectivity	15.139	14.989	0.15	1200	450	1650	Available	7.49	5.625	2.024	
30	MALAPPURAM	MANJERI (M)	AMRUT 2.0 - Manjeri Municipality - Augmentation of UWSS to manjeri - providing FHTCs and laying of distribution lines in various places in manjeri municipality	Amrut 2.0 is envisaged to provide FHTCs in urban areas . In Manjeri municipality the construction of production components for anticipated demand of 2050 ( WTP , pumping main) is progressing at kilikkal . In this phase , augumentation of UWss to Manjeri , providing FHTCS from existing distribution lines at feasible areas and feasible line extensions and road restoration as per latest GO is included . The replacement of dilapidated pipes along Malappuram road , Kizhissery road ,Pookottor road and calicut road is inevitable for line extensions and for providing FHTCs in those regions . 1120 numbers of FHTCs are proposed in this phase and shifting of 580 house connections ato new line for improved water supply level , it includes those connections identified after joint inspection with municipality members and identified by KWA . For full coverage of FTCs following works need to be executed .1.surveying and investigation .2.Laying and commissioning of pumb set , pumbing mains to unity college , Kanjirattukunnu , NSS college and Pullor etc3.Construction of OHSRS ,at different locations laying of distribution networks etc .This estimate is prepared for AS as per directions .Estimate costs around Rs.27 crores .	Storage, Distribution Network	Last mile connectivity	29.16	27	2.16	1020	357	1377	Available	13.5	10.125	5.535	
31	MALAPPURAM	VALANCHERRY	Construction of Over Head Tank, Laying Pumping Main and Distribution System	Construction of Overhead Storage Reservoir of 16 Lakh Liter Capacity and Supply and Laying of Transmission Network for a length of 4 kms and distribution networks for a length of 15 kms and 700 Functional Household Tap Connections	Storage, Distribution Network	Last mile connectivity	13.414	13.274	0.14	700	0	700	Available	6.64	4.975	1.799	
32	MALAPPURAM	PARAPPANANGADI	Water tap connection to households in Parappanangadi Municipality	Proposed to supply water tap connection to every houses in Parappanangadi Municipality thereby solving the issue of water scarcity in every nook and corner	Water treatment	Last mile connectivity	22.73	21.73	1	10145	200	10345	Available	10.87	8.145	3.715	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
33	MALAPPURAM	KONDOTTY	WSS for Kondotty municipality - AMRUT 2.0	WSS for kondotty municipality of FHTC connection 14000 for entire wards in the municipality and associated distribution network of 40KM in length	Distribution Network	Last mile connectivity	17.696	16.696	1	14000	2569	16569	Available	8.35	6.259	3.087	
34	MALAPPURAM	TIRUR (M)	Tirur Central WSS Scheme	Project includes supply and laying of 3000 m transmission network and supply and laying of 6000m distribution network and 500 Functional House hold tap connections for providing water connections to the nearby wards of Tirur town	Distribution Network	Last mile connectivity	14.88	13.88	1	500	476	976	Available	6.94	5.205	2.735	
35	MALAPPURAM	MALAPPURAM (M)	PACKAGE 1- Augmentation of Drinking Water supply to Malappuram Municipality-Phase I Melmuri Village (Low level Stage-Part 1) by enhancing production	The Municipal area is in 3 villages ( 1.Malappuram Village 2.Melmuri Village 3. Panakkadu Village .) . It is proposed to divide water supply separately for each villages with separate sources & Water treatment plant. Existing water supply Project of Malappuram Municipality is completed in 1970 and hence almost all the components are completed its design period . A newly designed water supply scheme is essential by utilizing the Kasdlundi River as source for Mallpuram Municipality to meet futre water demmand. Phase 1: It is proposed to construct a 6MLD cappacity WTP and 4 LL capacity Service Reservoir at WTP Compound is proposed to utilize for water supply to lower zone of Melmuri Village. Additional distribution system including replacement of existing old pipe line is also proposed in this part.	Storage, Water treatment	Technology upgradation, Last mile connectivity	8.507	7.607	0.9	0	1644	1644	Available	3.8	2.85613	1.85087	
36	MALAPPURAM	PERINTHALMANNA (M)	AMRUT 2.0 - Perinthalmanna municipality - Providing FHTC and laying of distribution lines in various places in Perinthalmanna municipality Phase -1	It is proposed Providing of 3000 Functional House hold Tap Connections. Laying of distribution lines in various places for providing FHTC. Providing dedicated line from OHSR	Distribution Network	Last mile connectivity	10.815	10.3	0.515	3000	5941	8941	Available	5.15	3.8625	1.8025	
37	MALAPPURAM	PONNANI (M)	Water Supply to Fishermen Area along the coastal belt in Ponnani Municipality	This project is indented for extending water supply facility to approximate 20000 fishermen residing along the coastal belt in Ponnani Municipality. The water required for this project can either be produced through a proposed desalination plant or from the existing Kerala Water Authority (KWA)scheme.The fishermen colony area is facing acute shortage of potable water throughout the year. The only source of drinking water is public taps provided by Municipality from KWA scheme. A desalination plant is proposed to construct near the harbour with the technical support of NIOT and the DPR for the same is being prepared. 4000 FHTC is proposed	Distribution Network	Last mile connectivity	23.205	21.105	2.1	4000	1102	5102	Available	10.55	7.917	4.738	
38	PALAKKAD	PALAKKAD (M)	Providing new House Connections and carrying out works in Pipelines to improve water supply levels in the connections	Providing new connections, Shifting Old Connections, Supplying and Laying of DI, GI , UPVC pipe lines, Road Restoration, Railway crossing works, Public tap disconnections at various places in Palakkad Municipality.	Distribution Network	Last mile connectivity	18.84	18.24	0.6	1500	2000	3500	Available	6.08	9.12	3.64	



STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																		
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants	
39	PALAKKAD	OTTAPPALAM (M)	PROVIDING NEW PIPE LINE EXTENSION AND FHTC, REPLACING OLD PIPELINE, CONNECTION SHIFTING AND PUMPSET UPGRADATION IN OTTAPPALAM MUNICIPALITY	PROVIDING FHTC, CONNECTION SHIFTING, PWD - BM & BC RESTORATION PWD -SHOULDER RESTORATION PWD BERM RESTORATION MUNICIPALITY ROAD RESTORATION PUMP SET UPGRADATION KSEB POWER ENHANCEMENT RENNOVATION OF CIVIL STRUCTURE LAYING OF 90 MM PVC, 110 MM PVC, 140 MM PVC, 160 MM PVC, 80 MM GI, 100 MM GI, 125 MM GI, 150 MM GI	Distribution Network	Last mile connectivity	10.75	10.51	0.24	2000	10441	12447	Available	5.26	3.936	1.554		
40	PALAKKAD	CHITTUR-THATHAMANGALAM	Chittur Tattamangalam Municipality - Construction of 5 LL OHSR, Supply and erection of motor pump sets, pumping main, distribution main, pipe line extensions and providing	Chittur - Tattamangalam Municipality - 1) A P P - 1 - Working charges and cost of materials - construction of 5 LL O H S R at Thathamangalam and linking to existing pumping main using 250 mm D L pipe - amount - 13256996 . 34 2 ) A P P - 2 - providing and laying pumping from W T P Chittur and linking to existing pumping of 125 m m d i a - amount - 973564 . 50 3 ) A P P - 3 - Supply , Erection and commissioning of motor pump sets for Thathamangalam - amount - 816250 . 00 4 ) A P P - 4 - providing and laying distribution main from O H S R 2 Vellappana zone and replacing existing connections and providing interlinking at necessary places - amount - 4456514 . 67 5 ) A P P - 5 - Providing and laying distribution network - pipe line extensions to various wards in Chittur - Tattamangalam Municipality - amount - 9968291 . 08 6 ) A P P - 6 - Providing new water connections ( F H T C S ) in Chittur - Tattamangalam Municipality for full coverage - amount - 25367337 . 84 7 ) A P P - 7 - Road restoration charges - P W D - amount - 3947415 . 00 8 ) A P P - 8 - providing and laying distribution network - pipe line extension to vellappana life mission flat - amount - 1499977.21 9 ) APP - 9 - road restoration charges - Chittur - Tattamangalam Municipality - amount - 5915012.47 TOTAL - 66201359 . 11 Centage charge - 0 . 0 % Centage amount - 0 . 0 Provision for G S T payments ( in percentage ) @ 18 . 0 % Amount reserved for G S T payments 11916244 . 64 Total and centage - amount - 78117603 . 75 Lumpsum for round off - amount - 2396 . 00	Distribution Network	Last mile connectivity	8.5932	7.812	0.7812	2600	0	2600	Available	3.91	2.9252	1.758		
41	PALAKKAD	CHERPULASSERY	AMRUT 2.0 – WSS to CHERPULASSERY MUNICIPALITY	Adj. Panchayaths is a comprehensive water supply scheme to Cherpulassery Municipality, Anangandi, Thrikkediri and Chalavara Panchayaths with Thootha River as source. The project is proposed to be executed in 3 phases. Phase – I comprises of the common components – Intake Well, Raw Water Pump	Distribution Network	Last mile connectivity	10.63074	10.029	0.60174	1050	0	1050	Available	5.01	3.76574	1.855		

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
42	PALAKKAD	MANNARKKAD	AMRUT 2.0 - AUGMENTATION Of UWSS to Mannarkkad Municipality - Providing FHTC and pipe line extension	AMRUT 2.0 - AUGMENTATION of UWSS to Mannarkkad Municipality - Providing FHTC and pipe line extension. In Mannarkkad Municipality approximately having 8700 nos of houses. UWSS to Mannarkkad Municipality having water treatment paln WTP of 7 MLD and 6.66 LL OHSR. at present only 3700 FHTC are there. Remaining 5000 nos of FHTC have to be given in AMRUT 2.0 plan. Pipe line extension and replacing of old pipes, shifting of existing connection required in the existing distribution network system for fulfill the work. Pipe line extension and replacing of old pipes includes 160 mm PVC pipe 6kg/cm2 of 3.0 km, 140 mm PVC pipe 6kg/cm2 of 3.0 km, 110 mm PVC pipe 6kg/cm2 of 6.0 km and 90 mm PVC pipe 6kg/cm2 of 6.0 km. Pipe line As per that plan Rs.6.68 Crore allotment can be used for various work as mentioned. Providing FHTC of 2000 nos Rs.2.50 Crore, Pipe line extension 3.0 Crore, service connection shifting 0.18 Crore, Power enhancement Rs.0.50 Crore, PWD Road restoration 0.50 Crore, 0.10 LL OHSR is also required for fulfill the demand of distribution network system.	Storage, Distribution Network, Pumping station	Last mile connectivity	7.68	6.68	1	1100	3700	4805	Available	3.34	2.505	1.835	00
43	PALAKKAD	PATTAMBI	AMRUT 2.0- PATTAMBI MUNICIPALITY- AUGMENTATION OF DRINKING WATER SUPPLY SCHEME	AUGMENTATION OF 2.5 MLD WTP, CONSTRUCTION OF 10 LAKH LITRE CAPACITY OHSR PROVIDING PUMPING NET WORK , PROVIDING HOUSE HOLD 1000 NOS TAP CONNECTIONS, PROVIDING FILTRATION UNITS AT TWO	Storage, Distribution Network, Water treatment	Technology upgradation	7.74	7.04	0.7	1000	4596	5605	Available	3.52	2.64	1.58	
44	PALAKKAD	SHORANUR (M)	AMRUT 2.0 -SHORANUR MUNICIPALITY-Pipe line replacement/ extension of various size pipes and providing FHTCs-Phase-1	This proposal is for 100% universal coverage of water supply to households in Shoranur Municipality. A gap analysis is done on existing components and required enhancement are proposed. The proposal envisages for full coverage in two phases. In first phase essential pipe replacement and additional coverage for 1600 households is proposed. In second phase, the balance 3620 households will be covered.	Distribution Network	Last mile connectivity	12.15	11.45	0.7	1600	8617	10217	Available	5.73	4.289	2.131	
45	THRISSUR	IRINJALAKUDA (M)	AMRUT - Mini WSS to ward 1,2 of Irinjalakuda Municipality	AMRUT - Mini WSS to ward 1,2 of Irinjalakuda Municipality Source augmentation by adding well and pump house, Water treatment facility, 2.5 LL OHSR, pumping main, distribution network and 200 house connections.	Storage, Distribution Network, Pumping station, Water treatment		0.84	0.8	0.04	200	344	544	Available	0.4	0.3	0.14	
46	THRISSUR	IRINJALAKUDA (M)	Augmentation of Ext.7MLD WTP by Replacement of filter media,strengthening of distribution pipes at various wards by replacing old pipes with new DI/PE pipes&providing1500Nos.of FHTCs	AMRUT- Improvement of Water supply systems of Irinjalakuda Municipality - IWSS - Augmentation of Existing 7MLD WTP by the Replacement of existing filter media with dual media filter,& strengthening of existing distribution pipes at various wards by replacing old AC/PVC pipes with new DI/PE pipes and providing 1500 numbers of FHTCs	Distribution Network, Water treatment		7.957	7.578	0.379	1500	7079	8579	Available	3.79	2.841	1.326	
47	THRISSUR	THRISSUR	AMRUT 2.0-Thrissur Corporation-Construction of WTP of 0.5 MLD at Kadavaram Pond as source and 5LL OHSR.	Construction of 0.5 MLD WTP near pond Pond maintenance including desilting. 40HP x 2 nos pumps 5 LL OHSR 1000 FHTC	Storage, Pumping station, Water treatment	Last mile connectivity	5.5	5	0.5	1000	3711	4711	Available	1.67	1.67	2.16	
48	THRISSUR	KODUNGALLUR (M)	KMWSS to Kodungallur Municipality- Providing FHTC to Urban Householders including Source Improvement works and Pipe Laying Work	Augmentable/Extendable Functional Household Tap Connections (FHTC) from Ongoing Scheme- 1700 nos. 28000m line extension and Source improvement by replacement of Pump Sets	Distribution Network	Last mile connectivity	15.584	14.184	1.4	1700	13517	15227	Available	7.09	5.321	3.173	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
49	THRISSUR	CHAVAKKAD (M)	Chavakkad- laying pipe line for providing Service Water Connection	Project is proposed for providing Household tap connections for 5000 HH which includes source augmentation, 3 km clear water transmission network and 28 km distribution network and 5000 Functional Household tap connection	Distribution Network	Last mile connectivity	12.071	11.071	1	5000	347	5347	Available	5.54	4.147	2.384	
50	THRISSUR	CHALAKUDY (M)	AMRUT2.0-Improvement to AUWSS at Chalakudy Municipality	Providing FHTC 2500 Nos Renovation of WTP 11 MLD Replacing Old AC pipes((3000m) , pipe line extension (2000m) including road restoration charge . Renovation of GL tank at Thanippara. Electrical standardisation including hotline feeder , Replacing valves.	Distribution Network	Technology upgradation	12.98	11.78	1.2	2500	6398	8899	Available	5.89	4.4175	2.6725	
51	THRISSUR	GURUVAYOOR (M)	Guruvayur Municipality- Construction of OH tank, Pumping Main , Pumpset and Distribution Network	Construction of OHSR for 24x7 water supply which includes Supply and erection of Pump set, Supply and Laying of Clear Water Pumping Main and distribution network	Storage, Distribution Network	Last mile connectivity	25.733	23.733	2	2150	1461	3611	Available	11.87	8.896	4.967	
52	THRISSUR	THRISSUR	AMRUT-2.0-Construction of a new WTP of 4 MLD at Ollari with pumping station at Pullazi with connected works	Construction of 4 MLD Water Treatment plant at Olari. Providing FHTCs under this scheme 5604 Nos Construction of 6 m dia Well cum Pumphouse , Supply and laying 250 mm DI K9 pumping main (2 Km)pullazhy to proposed WTP at Olari/Chettupuzha	Pumping station, Water treatment	others(LPCD Improvement)	20.9	19	1.9	5614	7450	12398	Available	6.33	6.33	8.24	
53	THRISSUR	THRISSUR	AMRUT 2.0 - Construction of 10LL capacity OHSR and 10LL capacity Sump at Viyyur , supply and Laying 250mm DI K9 pipe(2.50Km) from Cheroor	Viyyur area is facing scarcity of water due to low pressure in the network and low supply. Water to the proposed sump is proposed to be pumped from cheroor approximatly 2.5 KM	Storage	others(LPCD Improvement)	6.6	6	0.6	1000	1322	2322	Available	2	2	2.6	
54	THRISSUR	THRISSUR	AMRUT 2.0 - Rejuvenation of 14.5 MLD WTP augmented to 20 MLD at Peechi.Providing FHTCs under this scheme 6156 Nos	Decommissioned 14.5 MLD WTP at Peechi to be refurbished with new settling technology and dual filter media to get improved capacity and quality. Providing FHTCs under this scheme 6156 Nos	Distribution Network, Water treatment	Technology upgradation, others(LPCD improvement)	9.35	8.5	0.85	6156	10407	16563	Available	2.83	2.833	3.687	
55	WAYANAD	SULTAN BATHERY	AMRUT 2.0-AUGMENTATION OF WATER SUPPLY SCHEMES AND PROVIDING FHTCs IN SULTHAN BATHERY MUNICIPALITY WAYANAD DISTRICT	Provisions made in this project for augmentation of existing drinking water supply network. It is proposed to do necessary works to install 2000 new tap connections in addition to the existing 1452 taps.provisions made in this project for 40 KM new distribution line to be installed and 10 km old pipe line has to be replaced.(Total 50KM)	Distribution Network	Last mile connectivity	13.632	13.372	0.26	2000	1452	3452	Available	6.69	5.01	1.932	
56	WAYANAD	MANANTHAVADI	AMRUT 2.0 TO AUGMENTATION OF WATER SUPPLY SCHEMES IN MANANTHAVADY MUNICIPALITY AND PROVIDING FHTC'S	At present the water supply of Mananthavady Municipality is maintained by KWA . The source of the scheme in Kabani River Reservoir. the proposal is to provide 3000 water connection from existing KWA drinking water scheme WSS to Mananthavady ,Edavaka, Nallornadu villages and ARWSS Vemom Nallornadu and Porunnanoor villages, providing 35km of distribution line and other supporting elements.	Storage, Distribution Network	Last mile connectivity	15.498	15.348	0.15	3000	3616	6616	Available	7.67	5.759	2.069	
57	WAYANAD	KALPETTA (M)	AMRUT 2.0-UWSS to Kalpetta Municipality- Providing new distribution system with FHTC s	Project include laying of 30 Km and replacement of 4 Km distribution network and provision for 1000 FHTC s throughout municipal area .	Distribution Network	Last mile connectivity	5.288	5.238	0.05	1000	4800	5800	Available	2.62	1.963	0.705	
58	ERNAKULAM	KOTHAMANGALAM (M)	Ward-22: Karakkunnam Drinking Water Project	This is an extension to existing water supply scheme. Works proposed are installation of Pump Set, Pipe Lines, Taps etc at division -22	Distribution Network, Water treatment	Last mile connectivity	0.34	0.3	0.04	75	150	225	Available	0.15	0.112	0.078	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
59	ERNAKULAM	MARADU(M)	AMRUT 2.0-WSS TO MARADU MUNICIPALITY -Phase 1	Amrut 2.0-WSS to Maradu Municipality-Providing pipe line extension/replacing & water connection for improving water supply in various wards of Maradu Municipality-Phase 1	Distribution Network	Last mile connectivity	1.738	1.58	0.158	514	12681	13195	Available	0.79	0.592	0.356	
60	ERNAKULAM	KOCHI	Priority 2- Improving Production capacity of 100 MLD WTP- Supply and fixing of VT pump sets at RWPH, Pazhoor and interconnection	Supplying and fixing of VT pumpsets having a discharge of 2400 m3/hr and head 69.3 mtr at RWPH Pazhoor , Fixing of VFD for one pump set and interconnecting sump 1 & 2 at WTP Maradu		others(Production Improvement)	4.65	4.25	0.4	0	51880	51880	Available	1.42	1.413	1.817	
61	ERNAKULAM	KOTHAMANGALAM (M)	Ward-31: Kothamangalam Town Drinking Water Supply Scheme	This project is meant for providing drinking water in Kothamangalam Town area in Ward-31. The works proposed are construction of Well, Water Tank, Pump House, installation of Pump Set, Pipe Lines, Taps etc.	Storage, Distribution Network, Pumping station, Water treatment		0.84	0.8	0.04	100	0	100	Available	0.4	0.3	0.14	
62	ERNAKULAM	KOCHI	Priority 25-Water supply improvements to Pachalam zone providing distribution mains from the Pachalam OHSR-PHASE 2	Strengthening of existing distribution network in Pachalam zone by providing distribution mains from Pachalam Over Head Service Reservoir (OHSR )	Distribution Network		15.75	15	0.75	350	5939	6289	Available	5	5	5.75	
63	ERNAKULAM	KOCHI	Priority 23-Improving water supply to divisions 33,70,71 and 72- Replacing old and damaged 200 mm CI pipe and 100 mm AC pipes	Replacing old and damaged 200 mm CI pipe with 250 mm DI K9 pipe and 100 mm AC pipe with 160 mm PVC pipes on both sides along Perandoor/LFC road from Kaloor junction to Thannikal junction for improving water supply to Divisions 33,70,71 and 72	Distribution Network	Last mile connectivity	5.005	5	0.005	327	5842	6169	Available	1.67	1.663	1.672	
64	ERNAKULAM	KOCHI	Priority-22-Providing FHTC to the existing completed schemes in Kochi Corporation division no 1 to 28 (new)	Retrofitting of schemes for providing 7200 nos of FHTC to the existing completed schemes in Kochi Corporation division no. 1 to 28 (new)		Last mile connectivity	15.625	14.5	1.125	7236	51880	59116	Available	4.83	4.837	5.958	
65	ERNAKULAM	THRIIPPUNITHURA (M)	AMRUT 2.0 -WSS TO TRIPUNITHURA MUNICIPALITY	AMRUT 2.0 WSS TO TRIPUNITHURA MUNICIPALITY - PROVIDING 1000 NUMBER OF FHTC'S AND PIPE LINE EXTENSIONS / REPLACEMENT FOR IMPROVING WATER SUPPLY IN TRIPUNITHURA MUNICIPALITY.	Distribution Network	Last mile connectivity	12.49	12.29	0.2	1049	23913	24962	Available	6.15	4.604	1.736	
66	ERNAKULAM	PIRAVOM	Amruth 2.0 Improvement of waterline distribution and providing FHTC to Urban households of Piravom municipality	Which Provides 1) Providing FHTC to Urban households of Piravom Municipality 3.58 Cr 2) Provision of 24 x 7 watersupply to Piravom city central area which includes dedicated KSEB feeder line to kakkad plant and pump house , New dedicated 250 mm DI distribution line installation to piravom city central area allied with KSTP road renovation at same area 3) Installation of new pump and motor to kompanamala GLT and allied works	Distribution Network, Pumping station		4.531	4.331	0.2	2000	5736	7736	Available	2.17	1.62	0.741	
67	ERNAKULAM	PERUMBAVOOR (M)	AMRUT2.0-Perumbavoor Municipality-Augmentation of water supply scheme	Providing functional household tap connection ( FHTC)-1500 nos , Renovation of WTP at Kanhirakkad (Replacing the filter and renovation of plant building and construction of separate chemical house). Providing Booster Pumps 10HP x 2 Nos for clearwater at Kanhirakkad pump house. Booster pumping main 200mm DI K9 for 3.7KM and line extension of 1 KM Replacement of old AC /CI pipelines with DI/PVC pipelines for 3 KM.	Distribution Network, Pumping station	Technology upgradation, Last mile connectivity	9.64	8.94	0.7	1500	3453	4953	Available	4.47	3.352	1.818	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
68	ERNAKULAM	MUVATTUPUZHA (M)	AMRUTH 2.0-MUVATTUPUZHA MUNICIPALITY-RENOVATION OF EXISTING WATER SUPPLY SCHEME UWSS TO MUVATTUPUZHA	Replacing old and damaged transmission/distribution mains,providing new functional house hold water connections to all house holds in the Muvattupuzha Municipality	Distribution Network	Last mile connectivity	6.9	6.4	0.5	1500	6371	7871	Available	3.2	2.4	1.3	
69	ERNAKULAM	KOCHI	Priority 6-Construction of new OHSR of 15 lakhs litres capacity at Fortkochi tank site	Construction of new Over Head Service Reservoir ( OHSR ) of 15 lakh litres capacity at Fort kochi tank site	Storage		4.15	4	0.15	473	8542	9015	Available	1.33	1.34	1.48	
70	ERNAKULAM	KOCHI	Priority 19-Replacement of old and damaged pipes at Vathuruthy colony in division 30	Replacement of old and damaged pipe by supplying and laying 250mm DI/63mm PVC pipe at Vathuruthy colony in division 30 of Kochi Corporation.	Distribution Network		0.925	0.92	0.005	200	1387	1587	Available	0.31	0.303	0.312	
71	ERNAKULAM	KOCHI	Priority 17-Replacement of old AC pipe from Kathrikadavu over bridge (Kumaranassan junction) to Karshaka road	Replacement of old and damaged 100mm AC pipe by supplying and laying 400mm /250mm/160mm/90mm pipe from Kathrikadavu over bridge (Kumaranassan junction) to Karshaka road in division 38 old at Kochi Corporation	Distribution Network	Last mile connectivity	2.505	2.5	0.005	350	1744	2094	Available	0.83	0.837	0.838	
72	ERNAKULAM	KOCHI	Priority 10-Replacing old damaged primo pipe, laying rider line from shipyard quarters road to K.P. Vallon road and laying distribution pipe from Thevara market bridge	Replacing old damaged 400mm primo pipe with 400mm DI k9 pipe and laying 160mm rider line from Shipyard quarters road to K.P.Vallon road in division number 27 (old) and supplying and laying 250mm DI k9 pipe from Thevara market bridge to Shipyard quarters of Kochi Corporation	Distribution Network		4.805	4.8	0.005	500	5169	5669	Available	1.6	1.6	1.605	
73	ERNAKULAM	KOCHI	Priority 15-Improving the water supply to Ashoka road - replacing the old and damaged pipes	Improving the water supply to Ashoka road in Kochi Corporation divisions 70 and 72 by replacing the old and damaged 200 mm CI pipe and 100 AC pipe with 160 mm PVC pipe	Distribution Network		2.002	2	0.002	200	2988	3188	Available	0.67	0.663	0.669	
74	ERNAKULAM	KOCHI	PRIORITY-3-Improving water supply to divisions 33,71 and 72- Replacing old and damaged 100 mm AC pipes in Thannikkal - Keerthinagar road and Perumbotta road	Replacing old and damaged 100 mm AC pipes and laying 160 mm PVC pipe along Thannikal-Keerthinagar road and replacing 100 mm AC pipe in Perumbotta road by laying 160 mm PVC pipe for improving water supply to Divisions 33,71 and 72	Distribution Network	Last mile connectivity	1.005	1	0.005	25	3807	3832	Available	0.33	0.337	0.338	
75	ERNAKULAM	KOCHI	Priority 11-Improving water supply at Ponnurunni area- laying distribution mains along along Ponnurunni Kunjan Bava road	Improving water supply at Ponnurunni area in Kochi Corporation division no. 53(new) and 31(old) by laying 160mm PVC pipe (690m) along Ponnurunni Kunjan Bava road	Distribution Network		0.505	0.5	0.005	350	1787	2137	Available	0.17	0.163	0.172	
76	ERNAKULAM	KOCHI	Priority 14-Improving the water supply at Vinoba nagar- laying distribution pipe from K.P.Vallon road	Improving the water supply at Vinoba Nagar in Kochi Corporation division no.28 (old) 57 (new)by laying 160mm PVC pipe from K.P.Vallon road	Distribution Network		0.505	0.5	0.005	280	1971	2251	Available	0.17	0.163	0.172	
77	ERNAKULAM	KOCHI	Priority 12-Improving the water supply at Kumaranasan road- laying distribution pipe from Kathrikadavu bridge to STP junction	Improving water supply at kumaranasan road in division 54 by laying 160mm PVC pipe from Kathirikadavu bridge to STP junction	Distribution Network		1.005	1	0.005	240	2145	2385	Available	0.33	0.337	0.338	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
78	ERNAKULAM	KOCHI	Priority 8- Improving water supply at Chalikkavattom area-laying distribution mains along Nandanath Kochacko road from Thammanam junction	Laying 200mm DI pipe (630m) and 160mm PVC pipe (630m) along Nandanath Kochacko road from Thammanam junction and crossing NH by HDD method using 160mm PE pipe (100m) and 225mm PE pipe (85m) as casing for improving water supply at Chalikkavattom in Kochi Corporation division 45 & 48 (new) 31,32 &33(old)	Distribution Network	Last mile connectivity	2.005	2	0.005	350	4017	4367	Available	0.67	0.663	0.672	
79	ERNAKULAM	THRIKKAKARA(M)	Construction of new sump cum pump house at cochin university compound	Amrut 2.0- Thrikkakara Municipality -Water Supply- construction of 10 lakh litre sump and pump house at cochin university of Science and Technology (CUSAT) campus.	Storage		3.355	3.05	0.305	326	5458	5784	Available	1.53	1.139	0.686	
80	ERNAKULAM	KOOTHATTUKULAM	AMRUTH 2.0 - Kuthattukulam Municipality - Renovation of Existing Water Supply Scheme UWSS to Koothat	Replacing old and damaged transmission/distribution mains, Providing new Functional House Hold Water Connections to all house holds in the Municipality	Distribution Network, Pumping station	Last mile connectivity	5.214	4.714	0.5	3591	1682	5273	Available	2.36	1.765	1.089	
81	ERNAKULAM	ANGAMALY (M)	Household tap connections to Angamaly Municipality,Replacement of damaged distribution lines ,providing rider lines and	The existing water supply scheme to Angamaly Municipality from the source Periyar river- in the above project aims to providing FHTC from the existing scheme, the project also includes street main extension and replacing of damaged AC pipes	Distribution Network	Last mile connectivity	4.961	4.761	0.2	1000	3860	4860	Available	2.38	1.786	0.795	
82	ERNAKULAM	ALUVA	AMRUT 2.0 - Aluva Municipality- Providing new house connections ,replacing old damaged AC/GI pipes ,supplying and installing 2 Nos VT pump sets at WTP.	The existing water supply to Aluva municipality is from the Water Treatment Plant situated at Aluva with source as Periyar river. The treated water is pumped through 400mm CI Pumping main to 16 lakh litre OH tank situated at Pump Jn, Aluva. The existing AC distribution main at various wards in Aluva Municipality are very old and are in damaged conditions. Frequent breakages are occurring in these lines due to old age. Recently 500mm/400mm premo transmission main pipe of 1 km from Pump Jn, Aluva has been replaced with new 500mm DI pipe and the water supply has now increased. But the leakages in the old AC/GI branch lines has doubled andrequires frequent maintenance which leads to interruption of water supply. This proposal includes providing 500 nos of functional tap connections to all the households in Aluva Municipality those who have no KWA connections at present. Also the proposal includes replacing of very old frequently damaged AC/CI pipes in the town area which needs urgent replacement and shifting of water connections to the newly laid lines, supply and installing valves, road restoration charges to be paid to PWD/Municipality etc.A provision for extension of 200m pipe line is also included in this estimate. Supply, erection,testing and commissioning of 2 nos pre-qualified reputed make VT pump sets each having a minimum discharge of 105 lps against a total head of 60m at pure water pump house No.3 at Water Treatment Palnt, Aluva is also included in this proposal.	Distribution Network	Technology upgradation, Last mile connectivity	1.36148	1.348	0.01348	500	5641	6141	Available	0.67	0.50948	0.182	
83	ERNAKULAM	KALAMASSERY (M)	Construction of OH water tank at cusat and replacing under sized distribution main with suitable size pipe	1) Construction of new 1000 litre capacity sump cum pump house. 3) Laying distribution line to Kangarapady 4) Laying distribution line from Kangarapady to Thevakkal kollottymoola 5)Laying distribution line from Kangarapady to Navodhaya 6) Laying distribution line from Vattaparutha to Puthussery Mala and replacement	Storage, Distribution Network, Pumping station	Last mile connectivity	14.413	13.413	1	3907	24130	28037	Available	6.71	5.026	2.677	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
84	ERNAKULAM	ELOOR	Priority 1-Construction of 15 lakh litre OH tank and pump house at Manjummel with sump and pump house.	Amrut 2.0 -Eloor Municipality - Water supply - Construction of 1.5 MLD OH tank with sump and pump house at Manjummel and Distribution network.	Storage, Distribution Network	Last mile connectivity	7.35	7	0.35	349	7248	7597	Available	3.5	2.625	1.225	
85	ERNAKULAM	PARAVUR (M)	Street main extension & Replacement of old damaged AC pipes in North Paravur Municipality in Ernakulam District	AMRUT.2.0- Providing FHTC and Street main extension & Replacement of old damaged AC pipes in North Paravur Municipality in Ernakulam District	Distribution Network	Last mile connectivity	5.175	5.165	0.01	1309	8769	10078	Available	2.58	1.939	0.656	
86	IDUKKI	KATTAPPANA	AMRUT 2.0 UWSS to Kattappana Municipality-Providing Functional tap connections to households	Amrut 2.0 - Kattappana Municipality - Pipe line extension, replace and repair of the distribution pipe lines in kattappana municipality	Distribution Network	Last mile connectivity	16.4	14.4	2	2002	111	2113	Available	7.2	5.4	3.8	
87	IDUKKI	THODUPUZHA (M)	AUGMENTATION OF UWSS TO THODUPUZHA MUNICIPALITY	Amrut2.0.Distribution Components and Water Connections. 1. Renovation of Existing well cum PH and 12mld WTP 2. Providing water connections to 2000 house holds 3. Extension of the distribution network in various wards 4. Construction of Boosting station at Karoopara and providing Pump sets. 5. Construction of Ground level Service reservoirs at Kanjirampara and Idikettipara."	Storage, Distribution Network, Pumping station	Last mile connectivity	10.64	9.64	1	2000	4420	6420	Available	4.82	3.615	2.205	
88	KOTTAYAM	VAIKOM (M)	Vaikom Municipality -Existing Water Line Repalcement and New Water Connections-Implementation	Providing Functional Household Tap Connections and Alteration of Existing Connections by Laying New Distribution Network of Size 90mm PVC ,110 mm PVC, 140mm pvc, 160mm pvc and 200 mm DI Pipeline in Vaikom Municipal Area	Distribution Network	Last mile connectivity	7.16	6.86	0.3	565	5822	6504	Available	3.43	2.572	1.158	
89	KOTTAYAM	ETTUMANOOR	AMRUTH 2.0 PROVIDING WATER CONNECTION AND PIPELINE EXTENSION IN ETTUMANOOR MUNICIPALITY	Laying of gravity mains lines for a length of 12 km of varying sizes from 4200 mm to 1250 mm, Pipe line extension for a length of 20 km of varying sizes from 160 mm- 63 mm and FHTC 2000 nos	Distribution Network	Last mile connectivity	12.31	11.31	1	2000	1583	3583	Available	5.66	4.236	2.414	
90	KOTTAYAM	PALAI (M)	AMRUT 2.0, Augmentation of UWSS to Pala Municipality in Kottayam District	The project is aimed for providing potable drinking water to the entire area of Pala Municipality under Meenachil Taluk in Kottayam District of Kerala state. Pala Municipality is located at the eastern part of Kottayam district comes under Pala assembly and Kottayam parliament constituency. There are 26 wards in this Municipality. Because of the geographical peculiarity, the area experiences acute shortage of water especially during the summer seasons. The existing water supply schemes to this area is inadequate. Hence it is a matter of vital importance that a systematic and sustainable augmentation is needed to be introduced to the existing WSS of this region	Distribution Network	Last mile connectivity	5.26	4.96	0.3	780	3335	4115	Available	2.48	1.86		0.92

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
91	KOTTAYAM	CHANGANASSERY (M)	UWSS To changanassery Municipality	AMRUT 2 project CWAP of Changanacherry Municipality is envisaged for giving additional FHTC of 200 nos by reducing both wastage and leakage and convert to water supplied to customers from the existing water supply system and from which revenue may be recovered. For this, the DPR considered the replacement of old AC pipes and laying of 160mm PVC line as per pipe policy. Road restoration charges to both PWD and Municipal roads are also included.	Distribution Network	Last mile connectivity	11.38	11.23	0.15	200	6579	6779	Available	5.62	4.206		1.554
92	KOTTAYAM	KOTTAYAM (M)	Amrit 2.0 Pipe line extension and providing FHTCS in Nattakom area	In kottayam municipality -Nattakon area include 15 wards .In 1st phase we have to give 1500 FHTCS and 15 km pipe line extension	Distribution Network	Last mile connectivity	5.25	5	0.25	1500	3437	1500	Available	1.67	2.496	1.084	
93	KOTTAYAM	KOTTAYAM (M)	Amrit 2.0 Pipe line extension and providing FHTCS in Kumaranalloor area	In kottayam municipality -Kumaranalloor area include 15 wards . In 1st phase we have to give 1500 FHTCS and 15 km pipe line extension .	Distribution Network		5.25	5	0.25	1500	6060	1500	Available	1.67	2.496	1.084	
94	ALAPPUZHA	MAVELIKKARA (M)	AMRUT 2.0 - Mavelikkara Municipality - Providing 1000 FHTCS in Mavelikkara Municipality	Amrut 2.0 - Providing individual free metered water connections to 1000 Households in mavelikkara municipality (providing 1000 FHTC S in Maavelikkara Municipality)		Last mile connectivity	1.224	1.2	0.024	1000	0	1000	Available	0.6	0.45	0.174	
95	ALAPPUZHA	MAVELIKKARA (M)	AMRUT 2.0 - Replacing for a length of 400 m premo transmission main using 400mm DI pipe for a length of 400m	The project includes replacing 400 m premo transmission main using 400mm DI pipe for 400m. The pipes and specials for the work are already available.Working charges and road restoration charges are included in the estimate.			0.105	0.1	0.005	0	4447	4447	Available	0.05	0.037	0.018	
96	ALAPPUZHA	CHERTHALA (M)	AMRUT 2.0- CWSS TO CHERTHALA MUNICIPALITY- PROVIDING HOUSEHOLD RETROFITTABLE/EXTENTABLE WATER CONNECTIONS PHASE-1 & 2	IN PHASE 1 - 2000 HOUSEHOLD CONNECTION AND DISTRIBUTION NETWORK 90 MM PVC (6KG) PIPE 9000 METER IN PHASE 2- 2000 HOUSEHOLD CONNECTION AND DISTRIBUTION NETWORK 90 MM PVC (6KG) PIPE 3000 METER	Distribution Network	Last mile connectivity	9.975	9.5	0.475	7503	7280	7503	Available	4.75	3.562	1.663	
97	ALAPPUZHA	CHENGANNUR (M)	Amrut2.0-Pipe line extension and providing Household connections in Chengannur Municipality	AMRUT 2 project of UWSS to Chengannur Municipality is envisaged for giving additional FHTC of 400 nos by reducing both wastage and leakage and convert to water supplied to customers from the existing water supply system and from which revenue may be recovered. For this, the DPR considered the replacement of old AC pipes with DI pipes and laying of 160mm PVC transmission line as per pipe policy. Road restoration charges to both PWD and Municipal roads are also included. The project cost estimated for Rs.320 Lakhs.	Distribution Network	Last mile connectivity	4	3.2	0.8	400	3040	1029	Available	1.6	1.2		1.2
98	ALAPPUZHA	KAYAMKULAM (M)	AMRUTH 2.0-UWSS TO KAYAMKULAM MUNICIPALITY (PHASE 1)	Conducting detailed survey, Construction of OHSR , Providing New FHTC - 4400 Nos, Laying Conveyance main, Laying distribution including Replacing Damaged and Dilapidated A C Pipes . Renovation of WTP at Pathiyoor, Road restoration Charges	Storage, Distribution Network, Water treatment	Last mile connectivity	19.887	19.697	0.19	4400	4742	9152	Available	9.85	7.384	2.653	



STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
99	ALAPPUZHA	ALAPPUZHA (M)	Providing FHTCS in Alappuzha Municipality	The Project Includes Providing 22000 Functional Household tap connections in Alappuzha Municipality for Achieving 100 % water supply coverage through Last Mile Connectivity.		Last mile connectivity	28.5	28.5	0	22000	35519	22000	Available	9.5	14.25		4.75
100	ALAPPUZHA	HARIPAD	AMRUT 2.0 - UWSS TO HARIPAD WSS TO HARIPAD MUNICIPALITY - Laying distribution line	UWSS TO HARIPAD - Water supply scheme for Haripad Municipality is presently included in ongoing comprehensive scheme " WSS TO HARIPAD AND ADJOINING VILLAGES". Total capacity of this scheme is 50.00 MLD. This scheme covers Haripad Municipality and 13 Nos of neighbouring Panchayats. The components proposed for Haripad Municipality shifted under AMRUT 2.0 as project 3 is laying distribution line for 10 km . This project included aalteration of existing connections to the newly laid lines,road restoartion charges etc.	Distribution Network	Last mile connectivity	3.2	3	0.2	1000	94	1094	Available	1.5	1.125	0.575	
101	KOLLAM	KARUNAGAPALLY	UWSS to Karunagappally providing FHTC to householders in Karunagappally Municipality	Providing house connection ,20 km new distribution network & 10 km existing network to be replaced ,technology upgradation and meters provided for every house holds in Karunagappally Municipality	Distribution Network	Technology upgradation, Last mile connectivity	13.744	13.614	0.13	7000	7935	14935	Available	6.81	5.102		1.832
102	KOLLAM	KOLLAM	Extension of Distribution System for a Total of 100 Kms in Various Zones Using PVC pipes Including Road Restoration Charges-Phase 1	Extension of distribution system for a total of 100 kms in various zones which will be executed in 2 phases and includes road restoration charges.This is the first phase for a length of 48 kms.	Distribution Network		37.572	37.2	0.372	0	12151	12365	Available	12.4	12.4	12.772	
103	KOLLAM	KOLLAM	Providing Pumping Main Using DI Pipes of 700 mm -300 mm size for a length of 17 KM from Vasoorchira to Moonnamkutty ,Sakthikulangara&Mathilil	Laying pumping mains from vasoorchira to moonnamkutty, sakthikulangara & Mathilil ,Providing Pumpsets at WTP pump house - 180 HP 2 NOS ,including road restoration charges		Technology upgradation	41.5	37	4.5	0	17387	12880	Available	12.33	12.34	16.83	
104	KOLLAM	PARAVOOR (M)	AMRUT 2.0 PROVIDING HOUSE CONNECTIONS AND DISTRIBUTION NETWORKS IN PARAVUR MUNICIPALITY	MAKING CITIES WATER SECURE-PROVIDING HOUSE CONNECTIONS AND DISTRIBUTION NETWORKS IN PARAVUR MUNICIPALITY. THE SCOPE OF THIS PROJECT IS TO PROVIDE Potable WATER SUPPLY TO THE ENTIRE INHABITANTS OF PARAVUR MUNICIPALITY UNDER CHATHANNOOR CONSTITUENCY IN KOLLAM DISTRICT. THE PROJECT PROPOSAL AIMS TO CONSISTS OF TAKING WATER FROM JICA MEENAD SCHEME FROM 30 LLOHSR NEAR PUKKULAM IN PARAVUR. THE EXISTING WATER SUPPLY SCHEME TO PARAVUR MUNICIPALITY IS UNDER JICA MEENAD AND ADJOINING VILLAGES AND RURAL SCHEMES	Distribution Network	Last mile connectivity	13.293	13.093	0.2	4122	6074	4122	Available	6.55	4.906	1.837	
105	KOLLAM	KOTTARAKKARA	WATER SUPPLY SCHEME FOR KOTTARAKKARA MUNICIPALITY - PACKAGE 1	1-CONSTRUCTION OF RAW WATER WELL CUM PUMP HOUSE 2-TRANSFORMER ROOM AND APPROACH BRIDGE IN RAW WATER WELL CUM PUMP HOUSE SITE 3-OHSR 2 NUMBERS AT KOTTARAKKARA MUNICIPALITY	Storage	Technology upgradation	6.88	6.81	0.07	0	1094	1094	Available	3.41	2.549	0.921	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
106	KOLLAM	PUNALUR (M)	Construction of new OHSR for Thumpodu Scheme and replacement of existing pumping line, distribution line and providing new distribution lines, new connections and allied works.	The Thumpodu scheme is a booster pumping station arrangement from WTP of Punalur Municipality to cater the water demand in Thumpodu, Kalayanadu, Kallar, Vilakkuvattom and Nellipally par. At present the scheme consists of ground level tank from which its difficult to meet the present water demand and also existing AC pipe, pumping line, pumpset etc has to be replaced. Also included new distribution lines, providing new connections, filter media replacement and allied works included	Storage, Distribution Network	Last mile connectivity	3.34	3.3	0.04	635	285	920	Available	1.65	1.237	0.453	
107	PATHANAMTHITTA	THIRUVALLA (M)	Replacing pumpsets in Thiruvalla municipality	This project is intended to give functional house hold connection to all house holds at Thiruvalla Municipality, this project also include augmentation of the existing scheme,strengthening of the present water supply network and replacing pump set .		Last mile connectivity	1.407	1.34	0.067	0	13094	13094	Available	0.67	0.502	0.235	
108	PATHANAMTHITTA	PATHANAMTHITTA (M)	CONSTRUCTION OF 10 MLD WATER TREATMENT PLANT	The existing water supply plant in Pampoorippara is slow sand filter media at present 6.5 MLD treated water is produced from this WTP. This is only the 1/4 th of the demand of the current requirement of Pathanamthitta Municipality. So 10 MLD WTP is essential for providing FHTCs in full coverage of the Pathanamthitta Municipal area	Water treatment	Technology upgradation	11.25	10.75	0.5	0	4177	4377	Available	5.38	4.026	1.844	
109	PATHANAMTHITTA	THIRUVALLA (M)	Providing FHTC's distribution line Extension And Replacing pumpsets in Thiruvalla municipality	This project is intended to give functional house hold connection to all house holds at Thiruvalla Municipality, this project also include augmentation of the existing scheme, strengthening of the present water supply network and line extension works.	Distribution Network	others(new tap connections)	10.857	10.34	0.517	1400	0	13094	Available	5.17	3.877	1.81	
110	PATHANAMTHITTA	ADOOR (M)	Laying and strengthening existing distribution system in Adoor Municipality	Laying and strengthening existing distribution system in Adoor Municipality and providing free household water connection in Adoor Municipality(metered individual water connections)	Distribution Network	Last mile connectivity, others(Distribution network)	2.88	2.4	0.48	2800	1680	4480	Available	1.2	0.9	0.78	
111	PATHANAMTHITTA	PANDALAM	Laying and Strengthening existing distribution system in Pandalam Municipality, Providing House connections in Municipal Area	Laying and Strengthening existing distribution system in Pandalam Municipality, Providing House connections in Municipal Area Project cost 871 Lakhs. House connections.	Distribution Network	Last mile connectivity	10.45	8.71	1.74	3500	1980	5480	Available	4.36	3.261	2.829	
112	PATHANAMTHITTA	PATHANAMTHITTA (M)	SOURCE IMPROVEENT WORK AT KALLARAKADAVU	Amrut 2.0 source improvement work at kallarakadavu - Source improvement work including construction of collecting chamber, laying leading pipes etc.		Technology upgradation	0.9	0.75	0.15	0	4000	4000	Available				
113	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Improving water supply scheme to various wards including interconnections, supplying laying pumpsets etc under Vandithadam Section	FIFS - Improving water supply scheme to various wards including interconnections, supplying laying pumpsets etc under Vandithadam Section, Thiruvananthapuram corporation	Distribution Network	Last mile connectivity	17.5728	16.736	0.8368	1800	900	2700	Available	5.58	5.57733	6.41547	
114	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Proposal for partial coverage in Poonthura, Beemapally, Manikkavilakam, Sangumugham part, Kamaleswaram, Kalippankulam, Valiyathura part and Beemapally East under Kuriathy Section	FIFS - Proposal for partial coverage in Poonthura, Beemapally, Manikkavilakam, Sangumugham part, Kamaleswaram, Kalippankulam, Valiyathura part and Beemapally East under Kuriathy Section in Thiruvananthapuram Municipal Corporation-Replacing existing lines & Extension of Existing lines & Providing new lines with FHTC	Distribution Network	Last mile connectivity	10.20411	9.7182	0.48591	1800	500	2300	Available	3.24	3.2388	3.72531	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
115	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Rehabilitation work OHSR in Observatory Hills, Vellayambalam	FIFS - Rehabilitation work in OHSR (Over head storage reservoir) in Observatory Hills , Vellayambalam main section, Thiruvananthapuram Municipal Coporation		Technology upgradation	1.45373	1.3845	0.06923	0	75	75	Available	0.46	0.463	0.53073	
116	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Supply, Erection and Commissioning of Chlorine leak absorption system at 36 MLD WTP	FIFS - Supply, Erection and Commissioning of Chlorine leak absorption system at 36 MLD WTP, Vellayambalam main section, Thiruvananthapuram Corporation		Technology upgradation	0.08925	0.085	0.00425	0	50	50	Available	0.03	0.02667	0.03258	
117	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Rectifying the leakage and repacking the filter medium of Bed No. 7 at 36 MLD WTP	FIFS - Rectifying the leakage and repacking the filter medium of Bed No. 7 at 36 MLD WTP, Vellayambalam main section, thiruvananthapuram Corporation		Technology upgradation	0.525	0.5	0.025	0	75	75	Available	0.17	0.16333	0.19167	
118	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Providing Air compressor and relaying of air pipe at 36 MLD WTP	FIFS - Providing Air compressor and relaying of air pipe at 36 MLD Water Treatment Plant , Vallyambalam main section, Thiruvananthapuram Corporation		Technology upgradation	0.525	0.5	0.025	0	75	75	Available	0.17	0.16333	0.19167	
119	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Pipe laying works at various places of Kalady Ward	FIFS - Pipe laying replacement and extension works in main roads, interior roads and subroadsat various places of Kalady Ward	Distribution Network	Last mile connectivity	0.21	0.2	0.01	100	300	400	Available	0.07	0.06333	0.07667	
120	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Pipe line extension works at various places of Mudavanmugal ward	FIFS - Pipe line replacement and extension works in main roads, interior roads and subroads of Mudavanmugal ward, Thiruvananthapuram Corporation area	Distribution Network	Last mile connectivity	0.8925	0.85	0.0425	100	500	600	Available	0.28	0.28667	0.32583	
121	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing of old AC pipes and extension and alterations of Poojappura ward, Construction of valve chamber and raising of valve chamber	FIFS - Replacing of old AC pipes and extension and alterations of Poojappura ward, Construction of valve chamber and raising of valve chamber	Distribution Network	Last mile connectivity	0.1575	0.15	0.0075	50	25	75	Available	0.05	0.05	0.0575	
122	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing old AC pipes and extension and alterations in Nedumcaud ward	FIFS - Replacing old AC pipes and extension and alterations in main roads, interior roads and subroads in Nedumcaud ward	Distribution Network	Last mile connectivity	0.1575	0.15	0.0075	25	50	75	Available	0.05	0.05	0.0575	
123	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing of pipe lines at Arannoor ward	FIFS - Replacing of pipe lines and laying new lines in main roads, interior roads and subroads at Arannoor ward, Thiruvananthapuram Corporation area	Distribution Network	Last mile connectivity	0.63	0.6	0.03	75	300	375	Available	0.2	0.2	0.23	
124	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing 80mm AC pipe lines to 110mm PVC pipe 6 kg/cm2 works at Sankar Nagar, Pappanamcode ward	FIFS - Replacing 80mm AC pipe lines to 110mm PVC pipe 6 kg/cm2 works in main roads, interior roads and subroads at Sankar Nagar, Pappanamcode ward	Distribution Network	Last mile connectivity	0.2625	0.25	0.0125	0	100	100	Available	0.08	0.0842	0.0983	
125	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing of pipe lines at Ammaveedu line and interconnection at Studio road under Nemom ward	FIFS - Replacing of pipe lines at Ammaveedu line and interconnection at Studio road under Nemom ward, Thiruvananthapuram Corporation area	Distribution Network	Last mile connectivity	0.4725	0.45	0.0225	25	75	100	Available	0.15	0.15	0.1725	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
126	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Replacing old frequent bursting pipe with PVC pipe in Anoor, Thirumala, Rose garden in Thrikannapuram ward	FIFS - Replacing old frequent bursting pipe with PVC pipe in main roads, interior roads and subroads in Anoor, Thirumala, Rose garden in Thrikannapuram ward	Distribution Network	Last mile connectivity	0.2625	0.25	0.0125	0	150	150	Available	0.08	0.08667	0.09583	
127	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Laying new PVC pipes, alteration at various wards under Thirumala Section	FIFS - Laying new PVC pipes, alteration at various wards under Thirumala Section ( Pangode, PTP, Valyavila, Thirumala, Punnakkamugal, Kanjirampara)	Distribution Network	Last mile connectivity	1.05	1	0.05	600	250	850	Available	0.33	0.33667	0.38333	
128	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Urgent replacing of existing frequent breaking PVC (JICA laid) line Nettayam-Manikanteswaram road to 300mm dia DI line	FIFS - Urgent replacing of existing frequent breaking PVC (JICA laid) line Nettayam-Manikanteswaram road to 300mm dia DI line in Nettayam Ward	Distribution Network	Last mile connectivity	1.3125	1.25	0.0625	0	100	100	Available	0.42	0.41333	0.47917	
129	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Relpacing old AC pipe with PVC pipe in Nettayam - Manalayam road, replacing frequently bursting pipe in Pappad road	FIFS - Relpacing old AC pipe with PVC pipe in Nettayam - Manalayam road, replacing frequently bursting pipe in Pappad road in vazhottukonam ward	Distribution Network	Last mile connectivity	1.05	1	0.05	0	100	100	Available	0.33	0.33667	0.38333	
130	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFS - Urgent replacing of existing frequent breaking PVC (JICA laid) line Thirumala Vijayamohini mill - Punnakamughal road to 300mm dia DI line	FIFS - Urgent replacing of existing frequent breaking PVC (JICA laid) line Thirumala Vijayamohini mill - Punnakamughal road to 300mm dia DI line	Distribution Network	Last mile connectivity	1.3125	1.25	0.0625	0	200	200	Available	0.42	0.41333	0.47917	
131	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Construction of Sump cum Pump house, laying of 700mm, 500mm Transmission lines, renovation of Pump house etc in Kowdiar sub division area	FIFN - Construction of Sump cum Pump house, laying of 700mm, 500mm Transmission lines, renovation of Pump house etc in Kowdiar sub division area	Pumping station	Last mile connectivity	2.52819	2.4078	0.12039	0	750	750	Available	0.8	0.8052	0.92299	
132	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacement of old lines and laying new pipe lines in various locations under Central sub division, Palayam	FIFN - Replacement of old lines and laying new pipe lines in main roads, interior roads and subroads in various locations under Central sub division, Palayam	Distribution Network	Last mile connectivity	18.68045	17.7909	0.88955	0	2000	2000	Available	5.93	5.9306	6.81985	
133	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing old pipe lines which are regularly breaking in Pathirapally ward	FIFN - Replacing old pipe lines which are regularly breaking in main roads, ingterior roads and subroads in Pathirapally ward	Distribution Network	Last mile connectivity	7.14231	6.8022	0.34011	0	250	250	Available	2.27	2.2648	2.60751	
134	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing old pipe lines which are regularly breaking in Thuruthumoola ward	FIFN - Replacing old pipe lines which are regularly breaking in main roads, ingterior roads and subroads in Thuruthumoola ward	Distribution Network	Last mile connectivity	3.00311	2.8601	0.14301	0	600	600	Available	0.95	0.95674	1.09637	
135	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing old pipe lines which are regularly breaking in Mannanthala and Nalanchira ward	FIFN - Replacing old pipe lines which are regularly breaking in main roads, interior roads and subroads in Mannanthala and Nalanchira ward	Distribution Network	Last mile connectivity	2.5893	2.466	0.1233	0	800	800	Available	0.82	0.824	0.9453	
136	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing old pipe lines which are regularly breaking in Kinavoor ward	FIFN - Replacing old pipe lines which are regularly breaking in main roads, ingterior roads and subroads in Kinavoor ward	Distribution Network	Last mile connectivity	5.14605	4.901	0.24505	0	1500	1500	Available	1.63	1.63733	1.87872	

STATE WATER ACTION PLAN- WATER SUPPLY - 1ST TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
137	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing old pipe lines which are regularly breaking in Chettivilakom ward	FIFN - Replacing old pipe lines which are regularly breaking in main roads, interior roads and subroads in Chettivilakom ward.	Distribution Network	Last mile connectivity	1.33424	1.2707	0.06354	0	300	300	Available	0.42	0.42714	0.4871	
138	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Providing 160mm PVC rider main and alteration of existing connection rider main along Mukkilkada - Anandeswaram road	FIFN - Providing 160mm PVC rider main and alteration of existing connection rider main along Mukkilkada - Anandeswaram road (Challamangalam ward)		Last mile connectivity	1.9236	1.832	0.0916	0	400	400	Available	0.61	0.61135	0.70225	
139	THIRUVANANTHAPURAM	VARKALA (M)	Replacing of damaged AC pipes , Extension of pipes and providing functional house connections at Varkala Municipality	Conveying and laying 400mm dia DI pipes 3200 m, providing FHTC 4850 nos, providing and laying 50 mm,63 mm,75mm,90mm UPvc pipe 1500m/each dia of pipe,construction of valve chambers,providing and fixing sluice valves etc.	Distribution Network	connectivity, others(providing drinking water house connections to	8.652	8.24	0.412	4850	100	4950	Available	4.12	3.09	1.442	
140	THIRUVANANTHAPURAM	NEYYATTINKARA (M)	MUNICIPALITY-Replacement of AC pipes , pipeline extension , construction of OHSR and providing FHTC in Neyyattinkara Municipality	Amrut 2.0 NEYYATTINKARA MUNICIPALITY Replacement of AC pipes , pipeline extension , construction of OHSR and providing FHTC in Neyyattinkara Municipality	Storage, Distribution Network	Last mile connectivity	14.19	13.89	0.3	11834	9686	21521	Available	6.95	5.204	2.036	
141	THIRUVANANTHAPURAM	ATTINGAL (M)	AMRUT WORK- ATTINGAL MUNICIPALITY- PHASE 1- PROPOSALS FOR IMPROVING THE WATER SUPPLY SYSTEM IN ATTINGAL MUNICIPALITY	This work includes pipeline extension to all areas having no pipe line network and replacing the damaged pipelines in the Attingal town area.	Distribution Network	Last mile connectivity	8.31	7.81	0.5	2000	0	2000	Available	3.91	2.924	1.476	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
<b>WS PROJECTS TO BE IMPLEMENTED BY ULBs</b>																	
1	KANNUR	PANOOR	POKKUNAKUNNUMMAL WATER SUPPLY SCHEME	This project is proposed to supply new water connections to house holds of cherupullookkara ward. Project components includes construction of open Well, Pumping station, OH Tank etc	Storage, Distribution Network, Pumping station	Last mile connectivity	0.52	0.48	0.04	50	0	50	Available	0.24	0.18	0.1	
2	KANNUR	PANOOR	PERUVOTH WATER SUPPLY SCHEME	This project is proposed to Supply new water connections to house holds of Kidanji ward. Project components includes construction of Open well, Pumping Station, OH tank etc,	Storage, Distribution Network, Pumping station	Last mile connectivity	0.61	0.56	0.05	62	0	62	Available	0.28	0.21	0.12	
3	KANNUR	PANOOR	KAKKAYAPPRATH KOOVAPPADI WATER SUPPLY SCHEME	This Project is Proposed to Supply new water connections to house holds of Padannakkara ward. Project components includes construction of open well, Pumping station, OH tank etc.	Storage, Distribution Network, Pumping station	Last mile connectivity	0.323	0.3	0.023	35	0	35	Available	0.15	0.112	0.061	
4	KANNUR	SREEKANDAPURAM	Nediyenga PHC DWSS	The project comprises construction of treatment plant, distribution network of length 3km,, transmission network of 3km and new tap connection (200 nos.)	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	1.65	1.5	0.15	200	190	390	Available	0.75	0.562	0.338	
5	KANNUR	SREEKANDAPURAM	Payattuchal DWSS	The project Payattuchal DWSS comprises of laying of transmission network of length 3.5km, 1 pumping station, 470 new water tap connections.	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	2.2	2	0.2	470	0	470	Available	1	0.75	0.45	
6	KANNUR	SREEKANDAPURAM	Nediyenga Suvarnadhara DWSS	The project comprises of replacement of existing pipeline of 3.5km, laying new distribution network of 1.5km, laying transmission network of 1.8km and providing new TAP connection (225) in Suvarnadhara DWSS	Distribution Network, Water treatment	Last mile connectivity	2.2	2	0.2	225	168	393	Available	1	0.75	0.45	
7	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN IDICHUDI AREA IN NILESHWARAM MUNICIPALITY..	THE OBJECTIVE OF THE PROJECT IS TO PROVIDE DRINKING WATER TO HOUSE HOLDS IN THE MUNICIPAL LIMITS BY CONSTRUCTING OPEN WELL IN IDICHUDI AREA. PROJECT COMPONENTS INCLUDE STORAGE TANK, PUMPING STATION, NETWORK AND HOUSE CONNECTIONS.	Storage, Distribution Network, Pumping station	Last mile connectivity	2.15	2	0.15	150	0	150	Available	1	0.75	0.4	
8	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN NEELAYI AREA IN NILESHWARAM MUNICIPALITY	The objective of the project is to provide drinking water to families in the municipal limits by renovation of existing open well and pipe laying in the Neelayi area. Project components include storage tank, Pumping station, network and house connections.	Storage, Distribution Network, Pumping station	Last mile connectivity	1.1	1	0.1	50	0	50	Available	0.5	0.375	0.225	
9	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN PALAYI AREA IN NILESHWARAM MUNICIPALITY	THE OBJECTIVE OF THE PROJECT IS TO PROVIDE DRINKING WATER TO HOUSE HOLDS IN THE MUNICIPAL LIMITS BY CONSTRUCTING OPEN WELL IN PALAYI AREA. PROJECT COMPONENTS INCLUDE STORAGE TANK, PUMPING STATION, NETWORK AND HOUSE CONNECTIONS.	Storage, Distribution Network, Pumping station	Last mile connectivity	2.7	2.5	0.2	400	0	400	Available	1.25	0.937	0.513	
10	KASARAGOD	NEELESWARAM	DRINKING WATER SUPPLY SCHEME IN THAIKADAPPURAM AREA IN NILESHWARAM MUNICIPALITY	THE OBJECTIVE OF THE PROJECT IS TO PROVIDE DRINKING WATER TO HOUSE HOLDS IN THE MUNICIPAL LIMITS BY CONSTRUCTING OPEN WELL IN THAIKADAPPURAM AREA. PROJECT COMPONENTS INCLUDE STORAGE TANK, PUMPING STATION, NETWORK AND HOUSE CONNECTIONS.	Storage, Distribution Network, Pumping station	Last mile connectivity	3.8	3.5	0.3	600	0	600	Available	1.75	1.312	0.738	

<b>STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE</b>																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
11	KASARAGOD	KANHANGAD (M)	Development for existing Vaazhunnoradi Drinking Water Scheme	The existing Vaazhunnoradi DWS needs some maintenance work like intake maintenance,water treatment arrangements etc. Also entire house connections and some distribution line required. Maintenance for pumping and distribution line needed. This project can sort out drinking water problems in wards 20,21,22,23,24&25. Length of new distribution network to be laid is 24km and length of existing distribution network to be replaced is 4km.	Storage, Distribution Network, Water treatment	Last mile connectivity	5.5	5	0.5	715	453	1168	Available	2.5	1.875	1.125	
12	MALAPPURAM	TANUR	TANUR KUDIVELLA PADHATHI-AMRUT 2.0	THIS WORK IS INTENDED TO PROVIDE REDUCE THE WATER SCARCITY PROBLEMS IN TANUR MUNICIPALITY.NOW KERALA WATER AUTHORITY PIPES AND CONNECTIONS NOT AVAILABLE IN TANUR.MAIN WATER SUPPLY THROUGH JALANIDHI PROJECT	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	21.636	20.636	1	9350	0	9350	Available	10.32	7.736	3.58	
13	THRISSUR	WADAKKANCHERI	AMRUT 2.0 Wadakanchery Municipality - Augumentation of Water Supply	Wadakanchery Municipality - Augumentation of Water Supply - Supply and laying of clear water pumping main from vazhakkode to Wadakkanchery		Last mile connectivity	4.4	4	0.4	1436	0	1436	Available	2	1.5	0.9	
14	THRISSUR	WADAKKANCHERI	AMRUT 2.0 Wadakanchery Municipality Neeliara Drinking water scheme.	Intakewell and pumphouse with 10HP X 2 nos Pumping main 110 pvc Pipe- 2 km Distribution 10 km Tank 1 LL CONNECTIONS 1300	Storage, Distribution Network, Pumping station	Last mile connectivity	4.475	4.075	0.4	1300	203	1422	Available	2.04	1.526	0.909	
<b>WS PROJECTS TO BE IMPLEMENTED BY KWA</b>																	
15	KASARAGOD	KASARAGOD	Strengthening of Water Supply Distribution Network of Kasargod Municipality (part) and providing house connections	This project is prepared to provide water supply to 500 house holds and main distribution network of 10km,Distribution network, 500 FHTC	Distribution Network		11.693	11.143	0.55	500	0	500	Available	5.57	4.18	1.943	
16	KANNUR	PAYYANNUR (M)	WATER SUPPLY SCHEME IN PAYYANNUR MUNICIPALITY	The project is being implemented to provide drinking water connection to 44 wards of Payyanur municipality under the Amrut 2.0 scheme. The aim is to supply drinking water to the most affected areas in the municipality.The project components include distribution network, FHTCs etc.	Distribution Network	Last mile connectivity	24.372	23.211	1.161	6000	2499	8499	Available	11.61	8.7	4.062	
17	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete AC/PVC pipes and providing water connection in Edakkad Zone	Pipe line extension (30km), replacement of old and obsolete AC/PVC pipes (10km) and providing water connection (1750 nos.) in Edakkad Zone of Kannur Corporation	Distribution Network	Last mile connectivity	11.89	11.06	0.83	1750	0	1750	Available	3.69	3.683	4.517	
18	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete AC/PVC pipes and providing water connection in Chelora Zone	Pipe line extension (25km), replacement of old and obsolete AC/PVC pipes (9km) and providing water connection ( 2300nos.) in Chelora Zonal area of Kannur corporation	Distribution Network	Last mile connectivity	17.14	15.94	1.2	2300	0	2300	Available	5.31	5.317	6.513	
19	KANNUR	KANNUR (M)	Pipe line extension, replacement of old and obsolete pipes and providing water connection in Municipal area(old)under WS section III	Pipe line extension (7km), replacement of old and obsolete AC/PVC pipes (3km) and providing water connection (500nos.)in Kannur Municipal area(old)under WS section III,	Distribution Network	Last mile connectivity	11.825	11	0.825	500	0	500	Available	3.67	3.663	4.492	
20	KANNUR	IRITTY	HH conection in various wards in Iritty Municipality	Providing HH connection (11155 nos.) to all domestic users in connection with AMRUT. Distribution line project proposed with KIIFB project, for which AS is already approved. The execution of the project will start only after laying the distribution network which is proposed under KIIFB project.		Last mile connectivity	12.55	11.35	1.2	11155	375	11530	Available	5.68	4.251	2.619	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
21	KANNUR	MATTANNUR (M)	Providing Individual Water Connection in All wards in Mattannur Municipality	Project aims to provide water connections to 13012 individual Households. Currently the Source, Treatment , storage and transmission is completed using other funds. The distribution network up to water meter is proposed under KIIFB scheme and AS was approved as per GO(Rt).no.266/2022/WRD dated 31/03/2022. The remaining work of drawing pipe to houses and establishing tapes is proposed under this scheme.		Last mile connectivity	14.378	13.378	1	13012	2091	15103	Available	6.69	5.016	2.672	
22	MALAPPURAM	TIRURANGADI	WSS to Tirurangadi East zone	The existing water supply scheme is the rural scheme having 30 years old . It works without WTP. This project is to replace the existing water supply scheme to the new one by utilizing available component of the distribution. The scope of the project includes construction of well, treatment plants and 500 FHTC	Pumping station, Water treatment	Last mile connectivity	15.56	14.56	1	500	971	1471	To be acquired	7.28	5.46	2.82	
23	KOZIKODE	KOZHICODE	24X7 Water supply scheme at Edakkadu and adjacent places	24X7 Water supply scheme is proposed for 2000 HH at Edakkadu and adjacent places. Project includes, laying new distribution network of 4.2 Kms and length of existing distribution network to be replaced is 6.5 kms . Total HH connections proposed is 861	Distribution Network	Last mile connectivity	5.05	5	0.05	861	1139	2000	Available	1.67	1.663	1.717	
24	KOZIKODE	KOZHICODE	24X7 Water supply scheme at Nellikode and adjacent places	24X7 Water supply scheme at Nellikode and adjacent places with length of new distribution network to be laid is 3.9 Kms and length of existing distribution network to be replaced is 7.3 kms,total HH connections proposed is 851	Distribution Network	Last mile connectivity	5.05	5	0.05	851	1149	2000	Available	1.67	1.663	1.717	
25	KOZIKODE	KODUVALLY	AMRUT 2.0 WSS FOR KODUVALLY MUNICIPALITY	supply water to Koduvally municipality. It provides individual household tap connections to ensure safe and adequate drinking water supply to all households in Koduvally Municipality. As per the allowed fund (14.38CR) the supply line, gravity line from existing tank to proposed Sump, sump construction(10LL) and 1500 FHTCs can provided. For this proposal the source is considered as the same existing well comes pump house at Nadammelkadavu. The water is fed to existing tank at Kappumala. After the renovation of this tank a decided capacity of the pressure filter will be provided only for the above connections. A gravity line and rider line from existing tank at Kappumala will be provided to the proposed sump at the lower portion of the Kandalamala (At the level of 75m height.Transmission line of length 4.5km will provide in Nellamkandi-Kalranthiri area and 5km distribution line will be provided for the new FHTC. The prelemenary report and estimate is prepared as per the datas from site inspection and found that sufficient quantity of water will be available at present from the existing source except drought season.In future the demanted quantity of water will supply from Koolimad proposed	Storage, Distribution Network, Pumping station	Last mile connectivity	15.21377	14.38	0.83377	1500	1269	2709	To be acquired	7.19	5.3925	2.63127	
26	KOZIKODE	MUKKAM	AMRUT 2.0CWSS TO MUKKAM MUNICIPALITY	The project involves transmission main (1 Km), distribution network(15Km) and provision for 1232 water connections (FHTC) which helps to meet the need of more than 6000 inhabitants .	Distribution Network	Last mile connectivity	13.09	12.44	0.65	1232	1130	2362	Available	6.22	4.665	2.205	
27	KOZIKODE	PAYYOLI	AMRUT 2.0- WSS to Payyoli Municipality in Kozhikkode District	An Overhead tank of capacity 6.6 MLD has been proposed in survey number 75/03 in Thachankunnu area of payyoli Municipality , there will be a requirement of new water distribution network of 10 KM to enable water connections for 2500 HH .	Storage, Distribution Network	Last mile connectivity	15.88672	15.424	0.46272	2500	118	2618	To be acquired	7.71	5.786	2.39072	



STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
28	THRISSUR	THRISSUR	AMRUT 2.0 - Thrissur Corporation - Supply and Laying of 800 mm DI K9 pipe - 18Km (additional Gravity main) from Peechi WTP to OH	Existing 600mm line is very old so an additional 800mm line to be laid from Peechi to Thekinkad for around 18 km through pipeline road.			68	65	3	0	18000	23500	Available	21.66	21.67	24.67	
29	THRISSUR	THRISSUR	AMRUT2.0-Thrissur Corporation-Augmentation of 18 MLD WTP at Arratupuzha for Ollur zone with additional pumping facilities	Rejuvenation of 18 mld Water treatment plant at Arattupuzha( Augmentation,changing of filter media to dual media,Installation of Lammella Settlers,Renovation of clear water sump) Construction of 6m dia Well cum Pump house at Palakkadavu and Supply , erection, commissioning and trial run of 140 HP VT motor pumpset 2 nos,Supply and laying pumping main of 400mm DI K9 pipe (2 Km), Installation of SCADA Providing Dedicated Feeder line from Substation to Arattupuzha,Palakkadavu and Supply, erection, commissioning of 1.1KV Transformer at palakkadavu Providing FHTCs by augmentation /retrofitting of existing water supply schemes to Thrissur corporation (12886 nos )	Distribution Network, Pumping station, Water treatment	Technology upgradation, Last mile connectivity	35.2	32	3.2	12886	4193	17079	Available	10.67	10.665	13.865	
30	THRISSUR	IRINJALAKUDA (M)	AMRUT - IWSS - Providing additional pumping system for improving the water supply level at Chanthakunnu area (High Level) in Irinjalakuda Municipality	AMRUT - IWSS - Providing additional pumping system for improving the water supply level at Chanthakunnu area (High Level) in Irinjalakuda Municipality	Distribution Network		3.234	3.08	0.154	100	125	225	Available	1.54	1.155	0.539	
31	THRISSUR	IRINJALAKUDA (M)	AMRUT - IWSS - Providing Hot line from Mangadikkunnu WTP to ward 23 and 32 of Irinjalakuda Municipality , Strengthening of old AC and Pvc pipes by replacing with new PE/PVC pipes , and providing FHT	AMRUT - IWSS - Providing Hot line from Mangadikkunnu WTP to ward 23 and 32 of Irinjalakuda Municipality , Strengthening of old AC and Pvc pipes by replacing with new PE/PVC pipes , and providing FHT	Distribution Network		1.68	1.6	0.08	200	327	527	Available	0.8	0.6	0.28	
32	THRISSUR	THRISSUR	AMRUT 2.0 - Thrissur Corporation -Construction of 5LL capacity OHSR and 5LL capacity Sump at Poomkunnam including transmission main.	A new OHSR and sump of 5Lakh Litre is proposed to enhance water supply and Pressure in network in poomkunnam area supply and Laying 250mm DI K9 pipe(3.50Km) .	Storage	others(LPCD Improvement)	6.6	6	0.6	1000	1388	2388	To be acquired	2	2	2.6	
33	ERNAKULAM	KOCHI	Priority-4 Water supply improvements to Pachalam zone - providing distribution mains from the Pachalam OHSR - PHASE 1	Supplying, laying, testing and commissioning of 500 mm DI and 300 mm DI Distribution mains from 17 LL OHSR at Pachalam	Distribution Network	Last mile connectivity	4.2	4	0.2	250	5939	6189	To be acquired	1.33	1.337	1.533	
34	ERNAKULAM	KOCHI	Priority 21-Replacement of old pipes- laying new distribution pipe at Chittoor road	AMRUT 2.0-laying new 160mm pvc pipe at chittoor road instead of old ci pipe and britoly pipe in division 39 & 67 of kochi corporation	Distribution Network		0.205	0.2	0.005	20	2411	2431	To be acquired	0.07	0.063	0.072	
35	ERNAKULAM	KOTHAMANGALAM (M)	Ward-13: Puthuppady Drinking Water Project	This project is an extension to the existing drinking water project. The works proposed are construction of Water Tank, installation of Pipe Line, Taps etc	Storage, Distribution Network, Water treatment		0.83	0.8	0.03	150	200	350	To be acquired	0.4	0.3	0.13	
36	ERNAKULAM	KOTHAMANGALAM (M)	Ward-27: Vilalay Drinking Water Project	This is an extension to existing water supply scheme for providing drinking water to ward 27 Vilalay of Thodupuzha municipality	Storage, Distribution Network	Last mile connectivity	0.83	0.8	0.03	100	200	300	To be acquired	0.4	0.3	0.13	
37	ERNAKULAM	KOTHAMANGALAM (M)	Ward-18: Kollikkad Drinking Water Project	This project is meant for providing drinking water in Kollikkad area in Ward-18: The works proposed are Construction of Well, Water Tank, Pump House, installation of Pump Set, Pipe Lines, Taps etc.	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	1.205	1.155	0.05	150	150	300	To be acquired	0.58	0.431	0.194	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
38	ERNAKULAM	KOCHI	Priority-24-Construction of GLSR & OHSR & improvements in pumping system at Perumanoour pump house, replacement of damaged pipes in various roads in division 39 (old)	Construction of GLSR & OHSR -15LL capacity, supply and erection of 120 HP (2 numbers) and 75 HP (2 numbers), pumping sets and interconnection works at Perumanoour pump house replace and damaged pipes in various roads in division 39 (old) of Kochi Corporation.	Storage, Distribution Network	Last mile connectivity	17.005	17	0.005	60	12926	12986	Available	5.67	5.663	5.672	
39	ERNAKULAM	KOCHI	Priority 7-Water supply improvements to Kaloor zone-laying distribution mains from the OHSR at Kaloor	Supplying, laying, testing and commissioning of 900 mm DI distribution mains from the 40 lakhs litres OHSR at Kaloor to various divisions			19.95	19	0.95	0	23266	23266	Available	6.33	6.337	7.283	
40	ERNAKULAM	KOCHI	Priority1-Improving water supply at Palarivattom, Edappally ,Vennala area- replacement of old pipes- laying distribution mains from Palarivattom to Vadathode	Replacing old and damaged premo pipe line with DI along with 160 mm PVC rider line for providing house connection and changing of distribution line	Distribution Network	Last mile connectivity	15.76	15.75	0.01	1116	10417	11533	Available	5.25	5.25	5.26	
41	ERNAKULAM	KOCHI	Priority 20-Improvement of WS to divisions no. 13 to 20 - replacement of old pipes and improvements in pumping system, renovation of pump house etc.	Replacing the 100mm ac pipes at various places in division no.13 to 20 of Kochi Corporation, improvements of Palluruthy PH-supply , erection, testing and commissioning of 90HP(stand by) pump and motor ,replacement of 2 nos of 70HP pump and motor and up gradation of electrical installation including replacement of old and damaged 250kva 2nos indoor type transformer, replacing ct/pt unit ,TOD meter, panel board and other electrical installations etc , construction of compound wall with gate	Distribution Network		5.78	5.25	0.53	1350	18574	19924	To be acquired	1.75	1.75	2.28	
42	ERNAKULAM	KOCHI	Priority 18-Improving water supply at Perumpadappu and Edakochi area- providing feeder lines	Replacing the old and damaged 200mm HDPE and 300mm CI pipe at Pashnithodu bridge and approach roads area (700m) for divisions 13 to 20(new),providing feeder line from Kumbalanghy vazhi junction to Perumpadappu bridge east side by laying 160mm/110mm PVC pipes for a length of 1000m to improving water supply at Perumpadappu, providing feeder line from Jayalakshmi junction to Edakochi village office by laying 160mm/110mm PVC pipes for a length of 2000m to improving water supply at Edakochi	Distribution Network	Last mile connectivity	4.3025	4.1	0.2025	1350	18574	19924	To be acquired	1.37	1.3635	1.569	
43	ERNAKULAM	KOCHI	Priority 16-Replacement of old and damaged AC/GI pipe and extension of distribution lines in division no 1 to 10 and 23 to 28	Replacement of old and damaged AC/GI pipe and extension of distribution lines with 160/110/90/75mm PVC pipe in division no 1 to 10 and 23 to 28 of Kochi Corporation	Pumping station		4.41	4	0.41	3878	21606	25484	Available	1.33	1.337	1.743	
44	ERNAKULAM	KOCHI	Priority13-Construction of 4 lakh litres GLSR at Thoppumpady- interconnecting the pumping main from Maradu plant with proposed GLSR and renovation of pump house	Construction of new GLSR of 4 lakh litres capacity at Thoppumpady, interconnecting the pumping main from Maradu plant with newly constructing GLSR at Thoppumpady and renovation of pump house and construction of compound wall, renovation of channel, and electrical upgradation works including replacing ct/pt unit, TOD meter, indoor type transformer etc, replacing the existing distribution line of 150mm AC pipe with 160mm PVC pipe for a length of 6000m at Thoppumpady area	Storage, Distribution Network, Pumping station	Last mile connectivity	7.4655	7.11	0.3555	478	4867	5345	Available	2.37	2.3695	2.726	
45	ERNAKULAM	KOCHI	Priority 9-Improving water supply to Mundamveli - feeder line from Karuvelippady PH to Mundamveli church - Manassery church and replacement of old and damaged pipes	Improving water supply to Mundamveli in Corporation by providing a feeder line of 200mm DI /160mm PVC (Karuvelippady PH-Mundamveli church-Manassery church) and replacement of 100mm ac pipe with 110mm PVC pipe and replacing old and damaged 75mm distribution lines in division 22		Last mile connectivity	7.665	7.3	0.365	400	4626	5026	Available	2.43	2.437	2.798	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
46	ERNAKULAM	KOCHI	Priority5-Improving water supply to Fortkochi area- pumping main from beach road junction to Fortkochi OHSR	Improving the water supply to Fortkochi area-supplying, laying, testing and commissioning of 600mm DI k9 pumping main for a length of 3200m from beach road junction to Fortkochi OHSR	Pumping station	Last mile connectivity	11.55	11	0.55	473	8542	9015	Available	3.67	3.67	4.21	
47	ERNAKULAM	KOTHAMANGALAM (M)	Ward-11: Valiyapara Colony Drinking Water Project	This project is meant for providing drinking water in Valiyapara Colony area in Ward-11. The works proposed are construction of Well, Water Tank, Pump House, installation of Pump Set, Pipe Lines, Taps etc.	Storage, Distribution Network, Pumping station, Water treatment	Last mile connectivity	1.25	1.2	0.05	150	100	250	To be acquired	0.6	0.45	0.2	
48	ERNAKULAM	KOTHAMANGALAM (M)	Ward-12: Valiyapara Drinking Water Project	This project is meant for providing drinking water in Valiyapara area in Ward-12. The works proposed are construction of Well, Water Tank, Pump House, installation of Pump, Pipe Lines, Taps etc.	Storage, Distribution Network, Pumping station, Water treatment		1.56	1.5	0.06	250	150	400	To be acquired	0.75	0.562	0.248	
49	ERNAKULAM	KOTHAMANGALAM (M)	Ward-06: Ayyappanmudy Drinking Water Project	This is an extension to the existing project. Works proposed are construction of Water Tank, installation of Pipe Lines and Taps.	Storage, Distribution Network, Water treatment		0.54	0.52	0.02	150	150	300	To be acquired	0.26	0.195	0.085	
50	ERNAKULAM	KOTHAMANGALAM (M)	Ward-06: Kumbalathumury Drinking Water Project	This project is a continuation of MLA ADS project which is going to be commenced soon. The works proposed are installation of Pump Set, Pipe Lines and Taps.	Distribution Network, Water treatment		0.42	0.3	0.12	150	200	350	To be acquired	0.15	0.1125	0.1575	
51	ERNAKULAM	KOTHAMANGALAM (M)	Ward-3&4: Karingazha Drinking Water Project	The project aims to supply drinking water to about 500 houses in Ward 03 and 04 in Kothamangalam Municipality. The works proposed are construction of Well, Water Tanks and Pump House, installation of Pump Set, Pipe Lines and Tap.	Storage, Distribution Network, Pumping station, Water treatment		1.25	1.2	0.05	500	400	900	To be acquired	0.6	0.525	0.125	
52	ERNAKULAM	KOTHAMANGALAM (M)	Ward-25: South Venduvazhy Drinking Water Project	This project is meant for providing drinking water to Ward-25 of Kothamangalam Municipality. The works proposed are Construction of water tank, pumping and supply lines.	Storage, Distribution Network		0.803	0.773	0.03	400	150	550	To be acquired	0.39	0.283	0.13	
53	ALAPPUZHA	ALAPPUZHA (M)	Providing standby raw water and clear water pumpsets	This Project is Aimed in Improving Water Supply Scheme for Alappuzha Municipality. This project includes providing a standby raw water pumpset (360 HP) at Kadapra raw water pump house and a stand bye clear water pumpset (240 HP)-1 No at Karumadi plant including the installation of pumpsets and other electrification works in connection with the installation.	Pumping station		3.6	3	0.6	0	35519	35519	Available	1	1.5		1.1
54	ALAPPUZHA	ALAPPUZHA (M)	Providing water kiosks at Nehrutrophy ward & Nehrutrophy finishing point in Alappuzha Municipality	The project includes providing water kiosks at Nehrutrophy ward and Nehru Trophy Fininshing Point in Alappuzha Municipality.Nehrutrophy ward is an island with acute water shortage.Water kiosk at Nehru trophy finishing point will be beneficial for Houseboats natives and tourist.		others(Kiosk)	0.38	0.32	0.06	0	0	1116	Available	0.11	0.16	0	0.11
55	ALAPPUZHA	ALAPPUZHA (M)	Augmentation Of WSS For Alappuzha Municipality by Providing distribution network for 30 kms	This Project is Aimed to Improve the Water Supply Scheme To Alappuzha Municipality by providing distribution network for 30 Kms.	Distribution Network		9.6	8	1.6	0	35519	35519	Available	2.67	4		2.93
56	ALAPPUZHA	HARIPAD	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Providing FHTCs in Harippad Municipality	UWSS TO HARIPAD - Water supply scheme for Haripad Municipality is presently included in ongoing comprehensive scheme " WSS TO HARIPAD AND ADJOINING VILLAGES". Total capacity of this scheme is 50.00 MLD. This project covers Haripad Municipality and 13 Nos of neighbouring Panchayats. This project includes providing the 9000 FHTCs in Haripad Municipality which is the gap to last mile connectivity.		Last mile connectivity	1.23	1.2	0.03	1000	94	1094	Available	0.6	0.45	0.18	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
57	ALAPPUZHA	HARIPAD	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Laying transmission main to newly proposed OHSR at Thrippakudam	UWSS TO HARIPAD - Water supply scheme for Haripad Municipality is presently included in ongoing comprehensive scheme " WSS TO HARIPAD AND ADJOINING VILLAGES". Total capacity of this scheme is 50.00 MLD. This scheme covers Haripad Municipality and 13 Nos of neighbouring Panchayats. The component included under AMRUT 2.0 as project 2 is laying transmission main to OHSR at Thrippakudam			0.71	0.7	0.01	0	1000	1000	Available	0.35	0.262	0.098	
58	ALAPPUZHA	HARIPAD	AMRUT 2.0 - UWSS TO HARIPAD - WSS TO HARIPAD MUNICIPALITY - Construction of 9 LL OHSR at Thrippakudam	UWSS TO HARIPAD - Water supply scheme for Haripad Municipality is presently included in ongoing comprehensive scheme " WSS TO HARIPAD AND ADJOINING VILLAGES". Total capacity of this scheme is 50.00 MLD. This project covers Haripad Municipality and 13 Nos of neighbouring Panchayats. The important component included under AMRUT 2.0 as Project1 is the construction of 9 LL OHSR at Thrippakudam.	Storage		4.2	4	0.2	0	850	9913	Available	2	1.5	0.7	
59	ALAPPUZHA	MAVELIKKARA (M)	AMRUT 2.0 - Replacing old and damaged AC pipelines using PVC Pipes	The project involves replacement of old and damaged AC pipelines using PVC lines in Mavelikkara Municipality for a total distance of 18 km. Replacing old and damaged 100mm AC pipelines and 150mm AC lines in the existing scheme area is included in this project.	Distribution Network	Last mile connectivity	6.98	6.65	0.33	0	4452	4447	Available	3.33	2.489	1.161	
60	KOTTAYAM	KOTTAYAM (M)	Providing FHTCS for Kottayam old Municipality including Replacing old & damaged AC line with DI & PVC Line & Pipe Line Extensions	This project is envisaged for providing FHTC and replacement of existing pipe line . We have distribution lines consisting ac lines & gi lines for acquiring 100% saturation we have to change these obsolete waste ac pipes ,ac pipe length is 56 km , in this estimate we included changing old 14 km ac lines which is continuously bursting.	Distribution Network	Last mile connectivity	31.5	30	1.5	2450	12770	15220	Available	10	14.999		6.501
61	PATHANAMTHITTA	ADOOR (M)	U W S S ADOOR KAIMALAPPARA SCHEME	Renovation of water treatment plant at Chiranikkal and raw water pump house at Kaipattoor,Laying clear water gravity main from WTP Chiranikkal to sump cum pump house at Anandappally,Construction of 5LL OHSR at Kaimalappara and Aiyappanpara	Storage, Pumping station	Last mile connectivity	9.1	7.6	1.5	0	1023	1023	To be acquired	3.8	2.85	2.45	
62	PATHANAMTHITTA	PANDALAM	Kadakkad Water Supply Scheme	Construction of 2 LL OHSR at Kadakkad Ammoomma Mukadiyil in Ward 7. Project Cost 38 Lakhs. Providing and Laying 20 MM UPVC / MDPE Pipe is proposed, Laying Clear Water Pumping Main from WTP to proposed OH Tank Kadakkadu Ammoomma Mukadiyil area	Storage	PPP	1.656	1.38	0.276	0	1362	1362	Available	0.69	0.517	0.449	
63	PATHANAMTHITTA	PANDALAM	Athiramala Water Supply Scheme	Construction of Pumb House near existing GL Tank at Athiramala, Constructing Booster Pump House at Athiramala and an OH Tank at Athiramala Temple, Laying Clear Water Pumping Main from existing GL tank at Athiramala to proposed OH Tank Near Athiramala Temple, Construction of 5 LL OHSR Near Athiramala temple. Supplying & Erection of pump set & Electric connection to proposed Pump House at Athiramala near existing GL Tank at Athiramala	Storage, Pumping station	Last mile connectivity	1.98	1.65	0.33	0	1135	1135	Available	0.83	0.614	0.536	
64	PATHANAMTHITTA	PATHANAMTHITTA (M)	DISTRIBUTION NET WORK AND PROVIDING FHTCS AT PATHANAMTHITTA MUNICIPALITY IN VARIOUS WARDS	Laying pipe line for additional coverage of FHTCs including pipe line from pampoorippara to Kallarakkadavu new WTP and replacing damaged AC pipes and providing higher size pipes for the elevated area.	Distribution Network	Last mile connectivity	4	3.5	0.5	4112	4177	8286	Available	1.75	1.312	0.938	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
65	KOLLAM	KOLLAM	Extension of Distribution System for a Total of 100 Kms in Various Zones Using PVC pipes Including Road Restoration Charges-Phase 2	Extension of distribution system for a total of 100 kms in various zones which will be executed in 2 phases and includes road restoration charges.This is the second phase for a length of 52 kms.	Distribution Network		40.4	40	0.4	0	52601	52601	Available	13.33	13.34	13.73	
66	KOLLAM	KOLLAM	Providing 30500 FHTCs in Various Zones in Kollam Corporation-Phase 4	Free water connection to individual 30500 house holds which is considered as Phase 4 with the provision of additional pipelength for connecting far households from main connection points.	Distribution Network	Last mile connectivity	67.8013	67.13	0.6713	30500	61241	93101	Available	22.37	22.3833	23.048	
67	KOLLAM	KOLLAM	AWSS to Kollam Corporation - Improvements to Water Supply in Cantonment zone	Interconnecting Existing Distribution Lines With 914 mm MS Gravity main near KWA Office OHSR ,Botco pumphouse area, Ananthavalleshwaram zone,Manichithode zone and installing meters as monitoring elements.	Distribution Network		1.3	0.8	0.5	0	12886	10850	Available	0.27	0.27	0.76	
68	KOLLAM	KOLLAM	AWSS to Kollam Corporation - Improvements to Water supply in Vasoorchira zone - Interconnecting 20 LL OHSR with Existing Distribution Network	Improvements to Water supply in Vasoorchira zone by interconnecting the newly build 20 LL OHSR with Existing Distribution and installing meters as monitoring elements.	Distribution Network		0.59	0.5	0.09	0	4056	5225	Available	0.17	0.17	0.25	
69	KOLLAM	KOLLAM	AWSS to Kollam Corporation - Improvements to Water Supply in Chinnakkada Zone -Construction of 15.67 LL OHSR in Bishop Jerome Nagar	Construction of 15.67 LL OHSR in Bishop Jerome Nagar which includes laying of distribution network of about 300m, provision of meters as monitoring elements	Storage, Distribution Network		8.09	8	0.09	0	7333	4535	Available	2.67	2.67	2.75	
70	KOLLAM	KOLLAM	AWSS to Kollam Corporation-Improvements of Water Supply in Thamarakkulam & Mundakkal Area	Construction of 8 LL OHSR in Mundakkal,1 LL sump , providing 2 Nos 20 HP pumpsets,providing transmission main to mundakkal for 1500 m using 250 mm DI pipe, including road restoration charges	Storage, Distribution Network	Technology upgradation	7.5	7	0.5	0	3987	2340	Available	2.33	2.337	2.833	
71	KOLLAM	KOLLAM	AWSS to Kollam Corporation - Improvements to Water Supply in Kadavoor zone -Construction of 15 LL OHSR in Anchalumood	Construction of 15LL capacity OHSR in Anchalumood to improve the water supply in Thrikadavoor zone and includes laying of distribution network.	Storage, Distribution Network		7.59	7.5	0.09	0	2514	4700	Available	2.5	2.5	2.59	
72	KOLLAM	KOLLAM	Providing 10000 FHTCs in Various Zones in Kollam Corporation-Phase 3	Free water connection to individual 10000 house holds which is considered as Phase 3 with the provision of additional pipelength for connecting far households from main connection points.	Distribution Network	Last mile connectivity	22.22	22	0.22	10000	52601	62522	Available	7.33	7.337	7.553	
73	KOLLAM	KOTTARAKKARA	WATER SUPPLY SCHEME FOR KOTTARAKARA MUNICIPALITY - PACKAGE 2	OHSR(OVER HEAD SERVICE RESERVOIR) AT EYYAMKUNNU -KOTTARAKARA MUNICIPALITY WATER SUPPLY SCHEME-PACKAGE 2-FOR KOTTARAKARA MUNICIPALITY CITY WATER ACTION PLAN EYYAMKUNNU DIVISION	Storage	Technology upgradation	2.02	2	0.02	0	1094	1094	To be acquired	1	0.75	0.27	
74	KOLLAM	PUNALUR (M)	Replacement of old pipes at Maniyar, Bharanikkavu and College ward in Punalur Municipality	Existing pipe replacement with new PVC pipes and providing new water connection of 380 nos and replacement of pumpset in raw water.	Distribution Network	Last mile connectivity	3.03	3	0.03	350	195	545	Available	1.5	1.125	0.405	
75	KOLLAM	PUNALUR (M)	Construction of boosting pump house arrangement with OH tank for water supply in various elevated ward in the east of Punalur Municipality	The elevated places in Municipality in wards Gracing Block, Mylakkadu and Thamarappally are not getting water. The existing scheme is about 40 years old. Hence a boosting pumping arrangement and OH tank is proposed. Existing line replacement also included, new connections proposed	Storage, Distribution Network, Pumping station	Last mile connectivity	2.52	2.5	0.02	730	35	765	Available	1.25	0.937	0.333	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
76	THIRUVANANTHAPURAM	NEDUMANGAD (M)	AMRUT 2.0-Nedumangad Municipality	The proposal for the improvement of water supply systems to the Nedumangad Municipality areas intended to improve water supply at 24*7 to all households, especially in to the highly elevated areas. proposals suggested here are providing larger diameter water lines, extension of water lines and also providing booster arrangements to those areas. This proposal is estimated to a total of Rs. 102900000/- (TEN crore twenty nine lakhs only ). There is provision included for giving 2000 nos of FHCTCs(water connections ) and 2000 nos of alteration of existing water connections.	Distribution Network	Last mile connectivity	10.8045	10.2891	0.5154	2000	2000	4000	To be acquired	5.14	3.8625	1.802	
77	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Laying of HDPE pipe from Aruvikara to Peroorkada and construction of 10 MLD sump at peroorkada	FIFN - Laying of HDPE pipe (High Density Polyethylene) from Aruvikara to Peroorkada and construction of 10 MLD sump at peroorkada	Storage	Last mile connectivity	99.6765	94.93	4.7465	0	5000	5000	Available	31.64	31.64667	36.38983	
78	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHCT for partial coverage in Thiruvananthapuram Municipal Corporation wards under Karamana Section	PHDS - PROPOSAL FOR PARTIAL COVERAGE - PHASE I - IN KALADY, PAPPANAMCODE, MELAMCODE, ESTATE, NEMOM AND PONNUMANGALAM WARDS UNDER KARAMANA SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION - REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHCTCs	Distribution Network	Last mile connectivity	6.05661	5.7682	0.28841	500	2500	3000	Available	1.92	1.92547	2.21114	
79	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHCT for 100% coverage in Thiruvananthapuram Municipal Corporation wards under Kuriathy Section	PHDS - PROPOSAL FOR 100% COVERAGE IN PUTHENPALLY, SREEKANDESWARAM PART, THAMPANOOR PART, CHALA, FORT, MANACADU, KURIATHY, ATTUKAL, PALKULANGARA PART, CHAKKA PART, VALLAKKADAVU, PERUMTHANNI, AMBALATHARA, VALIYATHURA AND SREEVARAHAM WARDS UNDER KURIATHY SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION-REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHCTCs	Distribution Network	Last mile connectivity	11.38935	10.847	0.54235	1980	0	1980	Available	3.62	3.61133	4.15802	
80	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHCT for partial coverage in Thiruvananthapuram Municipal Corporation wards under Kuriathy Section	PHDS - PROPOSAL FOR PARTIAL COVERAGE - PHASE 1 IN POONTHURA, BHEEMAPALLY, MANIKYAVILAKOM, SANGUMUGHAM PART, KAMALESWARAM, KALIPPANKULAM, VALIYASALA PART AND BHEEMAPALLY EAST WARDS UNDER KURIATHY SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION-REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHCTCs	Distribution Network	Last mile connectivity	7.97265	7.593	0.37965	2300	0	2300	Available	2.53	2.532	2.91065	
81	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHCT for partial coverage in Thiruvananthapuram Municipal Corporation wards under Vandithadam Section	PHDS - PROPOSAL FOR PARTIAL COVERAGE - PHASE 1 IN POONKULAM, PUNCHAKARI, THIRUVALLAM AND VELLAR EAST WARDS UNDER VANDITHADAM SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION - REPLACING EXISTING LINES AND EXTENSION OF EXISTING LINES AND PROVIDING NEW LINES WITH FHCTCs	Distribution Network	Last mile connectivity	15.35804	14.6267	0.73134	1695	1550	3245	Available	4.88	4.87114	5.6069	
82	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHCT for 100% coverage in Thiruvananthapuram Municipal Corporation wards under Karamana Section	PHDS - PROPOSAL FOR 100% COVERAGE IN MUDAVANMUGAL, POJAPPURA, KARAMANA, NEDUMCAUD AND ARANNOOR WARDS UNDER KARAMANA SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION - REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHCTCs	Distribution Network	Last mile connectivity	5.04095	4.8009	0.24005	150	3000	3150	Available	1.6	1.6006	1.84035	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
83	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHTC for 100% coverage in Thiruvananthapuram Municipal Corporation wards under Thirumala Section	PHDS - PROPOSAL FOR 100% COVERAGE IN PANGODE, PTP, VALYAVILA, THIRUMALA, PUNNAKKAMUGAL AND KANJIRAMPARA WARDS UNDER THIRUMALA SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION - REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHTCs	Distribution Network	Last mile connectivity	3.12165	2.973	0.14865	600	100	700	Available	0.99	0.992	1.13965	
84	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDS - Providing FHTC for partial coverage in Thiruvananthapuram Municipal Corporation wards under Thirumala Section	PHDS - PROPOSAL FOR PARTIAL COVERAGE - PHASE I - IN VATTIYOORKAVU, KODUNGANOOR, VAZHOTTUKONAM, NETTAYAM, KACHANI, THRIKKANNAPURAM AND THURUTHUMoola (PART) WARDS UNDER THIRUMALA SECTION IN THIRUVANANTHAPURAM MUNICIPAL CORPORATION - REPLACING EXISTING LINES & EXTENSION OF EXISTING LINES & PROVIDING NEW LINES WITH FHTCs	Distribution Network	Last mile connectivity	5.9325	5.65	0.2825	1800	300	2100	Available	1.88	1.88667	2.16583	
85	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Peroorkada KWA section	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Peroorkada KWA section. (Pathirapally, Thuruthumoola, Kinavoor, Chettivilakom, Peroorkada, Kudappanakkunnu, Mannanthala, Nalanchira)	Distribution Network	Last mile connectivity	2.94	2.8	0.14	1000	0	1000	Available	0.93	0.93667	1.07333	
86	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Pongummoodu KWA section	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Pongummoodu KWA section. (Edavakode Akkulam, Anumukham, Medical College, Njandoorkonam, Powdikonam, Chellamangalam, Nalanchira, Ulloor, Mannanthala, Cheruvakkal)	Distribution Network	Last mile connectivity	13.17204	12.5448	0.62724	5000	0	5000	Available	4.18	4.1832	4.80884	
87	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Kazhakoottam KWA Section	PHDN - Providing FHTC for all wards (partial coverage as Phase 2) under Kazhakoottam KWA Section. (Sreekaryam Cheruvakkal, Akkulam, Kazhakkuttam, Poundkadavu, Pallithura, Attipra, Kulathoor, Chempazhanthy, Kattayikonam, Powdikonam, Chellamangalam, Chandavila, Njandoorkonam)	Distribution Network	Last mile connectivity	6.405	6.1	0.305	2000	0	2000	Available	2.03	2.03667	2.33833	
88	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC for all wards (partial coverage as Phase 1) under Peroorkada KWA section	PHDN - Providing FHTC for all wards (partial coverage as Phase 1) under Peroorkada KWA section. (Pathirapally, Thuruthumoola, Kinavoor, Chettivilakom, Peroorkada, Kudappanakkunnu, Mannanthala, Nalanchira)	Distribution Network	Last mile connectivity	2.52819	2.4078	0.12039	1000	0	1000	Available	0.8	0.8052	0.92299	
89	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC for all wards (partial coverage as Phase 1) under Pongummoodu KWA section	PHDN - Providing FHTC for all wards (partial coverage as Phase 1) under Pongummoodu KWA section. Edavakode, Akkulam, Anumukham, Medical College, Njandoorkonam, Powdikonam, Chellamangalam, Nalanchira, Ulloor, Mannanthala, Cheruvakkal	Distribution Network	Last mile connectivity	9.513	9.06	0.453	3000	0	3000	Available	3.02	3.02	3.473	
90	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC to all wards (partial coverage as Phase 1) under Kazhakoottam KWA Section	PHDN - Providing FHTC to all wards (partial coverage as Phase 1) under Kazhakoottam KWA Section. Sreekaryam, Cheruvakkal, Akkulam, Kazhakkuttam, Poundkadavu, Pallithura, Attipra, Kulathoor, Chempazhanthy, Kattayikonam, Powdikonam, Chellamangalam, Chandavila, Njandoorkonam)	Distribution Network	Last mile connectivity	9.3261	8.882	0.4441	4000	0	4000	Available	2.96	2.96133	3.40477	
91	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC to attain full coverage of all wards under Kowdiar KWA section	PHDN - Providing FHTC to attain full coverage of all wards under Kowdiar KWA section. Kuravankonam, Nalanchira Part, Pattom, Kowdiar, Kesavadasapuram, Muttada)	Distribution Network	Last mile connectivity	1.01283	0.9646	0.04823	200	0	200	Available	0.32	0.32307	0.36976	

STATE WATER ACTION PLAN- WATER SUPPLY - 2ND TRANCHE																	
Sl.No	District	ULB	Project title	Project description	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Served	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
92	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC to attain full coverage of all wards under Palayam KWA section	PHDN - Providing FHTC to attain full coverage of all wards under Palayam KWA section. Kunnuvuzhy, pattom, palayam, Thycaud, Anamugham, Kannamoola, Sasthamangalam, Jagathy, Valiyashala, Vazhuthakaud, Thampanoor, Medical College, Nanthancode, Kowdiar)	Distribution Network	Last mile connectivity	2.91827	2.7793	0.13897	850	0	850	Available	0.93	0.92287	1.0654	
93	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PHDN - Providing FHTC to attain full coverage of all wards under Pattoor KWA section	PHDN - Providing FHTC to attain full coverage of all wards under Pattoor KWA section (Karikkakom, Shangumugham, vanchiyoor, Kannammola, Thampanoor, Palkulangara, Anamugham, Chakkai, perunthani, Pettah, Sreekandeswaram, Vettukad, Kadakampalli, Paundukadavu)	Distribution Network	Last mile connectivity	3.02684	2.8827	0.14414	1250	0	1250	Available	0.96	0.9618	1.10504	
94	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Replacing 225mm CI pipe and laying 160mm PVC on either side along Sreekaryam Chekkalamukku Kattayikonam road	FIFN - Replacing 225mm CI pipe and laying 160mm PVC on either side along Sreekaryam Chekkalamukku Kattayikonam road in Kattayikonam and Sreekaryam wards	Distribution Network	Last mile connectivity	11.21663	10.6825	0.53413	0	1000	1000	Available	3.56	3.56167	4.09496	
95	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	FIFN - Laying rider mains in various routes like Pattom - Murinjapalam - Kumarapuram - Medical College	FIFN - Laying rider mains in main roads, interior roads and subroads in various routes like Pattom - Murinjapalam - Kumarapuram - Medical College	Distribution Network	Technology upgradation	11.73701	11.1781	0.55891	0	1500	1500	Available	3.73	3.72207	4.28494	



STATE WATER ACTION PLAN- SEWERAGE / SEPTAGE MANAGEMENT - SECOND TRANCHE																
SL. No	District	Name of Corpn./ Municipality	Number of Projects	Fund allocation (Cr)			1st tranche					2nd tranche				
							CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost	Number of Projects	CapEx cost of project (Cr)	O&M Cost	Excess Amount(Cr)	% excess
1	Thiruvananthapuram	Thiruvananthapuram	24	111.39			110.63	6.431	0	0	0	24	110.63	6.431	-0.76	-0.6822875
Sl.No	District	ULB	Project title	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
1	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Laying 150mm SW Sewer line towards Padayani gardens Association lane and laying PVC 160mm sewer lane towards Punartham gardens lane and padayani road	Sewer network		0.1995	0.19	0.0095	70	0	70	Available	0.0633	0.0634	0.0728	
2	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 200mm SW Sewer line at Jagathy Panchami Garden under Sewerage Section, Sasthamangalam	Sewer network		0.2625	0.25	0.0125	50	0	50	Available	0.0833	0.0834	0.0958	
3	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 300 & 200mm SW Sewer line at Vinayaka Nagar, Arapura, Vattiyoor kavu, under Sewerage Section, Sasthamangalam-Reach 2	Sewer network		1.2559	1.1961	0.0598	250	0	250	Available	0.3986	0.3988	0.4585	
4	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 300mm SW Sewer line at Vinayaka Nagar, Arapura, Vattiyoor kavu, under Sewerage Section, Sasthamangalam, Reach 1	Sewer network		1.1154	1.0623	0.0531	250	0	250	Available	0.354	0.3542	0.4072	
5	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 200mm SW Sewer line near BSNL office Chalakuzhy, Medical College and branch lane at SCT nagar, under Sewerage Section	Sewer network		0.2698	0.257	0.0128	50	0	50	Available	0.0856	0.0857	0.0985	
6	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 200mm SW Sewer line from house no MGRA 135 towards TKD road Marapalam, under Sewerage Section, Sasthamangalam	Sewer network		0.1167	0.1112	0.0055	25	0	25	Available	0.037	0.0371	0.0426	
7	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providing and laying 200mm SW Sewer line at Chithira lane towards kochar road Maruthankuzhy, under Sewerage Section, Sasthamangalam	Sewer network		0.1964	0.1871	0.0093	25	0	25	Available	0.0623	0.0624	0.0717	
8	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line at Devi Nagar, T Lane Edakulam, at Peroorkada ward under Sewerage Section, Sasthamangalam	Sewer network		0.2625	0.25	0.0125	50	0	50	Available	0.0833	0.0834	0.0958	
9	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line at KK lane at Murinjapalam, under Sewerage Section, Santhamangalam	Sewer network		0.1332	0.1269	0.0063	25	0	25	Available	0.0422	0.0424	0.0486	
10	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 300 & 250mm SW Sewer line from Kalakoumudi road towards koyikkal lane in the side of pond , under Sewerage	Sewer network		2.1	2	0.1	250	0	250	Available	0.6666	0.6668	0.7666	
11	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line from house MGRA 97 to 114 at Maharaja Garden, Kowdiar ward, under Sewerage Section, Sasthamangalam	Sewer network		0.1474	0.1404	0.007	25	0	25	Available	0.0467	0.0469	0.0538	
12	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line towards Soubhagya Nagar and Kalathil Lane, Medical College Ward, under Sewerage Section, Sasthamangalam	Sewer network		0.3273	0.3118	0.0155	50	0	50	Available	0.1039	0.1039	0.1195	
13	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line at Parayil lane, Kanjirampara East Residence Association, Kanjirampara under Sewerage Section, Sasthamangalam	Sewer network		0.3675	0.35	0.0175	50	0	50	Available	0.1166	0.1168	0.1341	

Sl.No	District	ULB	Project title	Components	Features	Estimated project cost (₹ crore)	Estimated CAPEX Cost (₹ crore)	Estimated O&M cost (₹ crore)	New Connection Proposed	Existing Connection Serviced	Households benefitted	Land availability for the project	Project Central Assistance	Project State Share	Project ULB Share	Project XV FC grants
14	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 200mm SW Sewer line at Harismrithy lane, Kanjirampara East Residence Association, Kanjirampara under Sewerage Section, Sasthamangalam	Sewer network		0.6381	0.6078	0.0303	55	0	55	Available	0.2025	0.2027	0.2329	
15	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 250mm SW Sewer line at Kanjirampara East Residence Association (KERA), (MH 16-MH 30) under Sewerage Section, Sasthamangalam	Sewer network		0.8723	0.8308	0.0415	65	0	65	Available	0.2769	0.277	0.3184	
16	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	SD - Providng and laying 250mm SW Sewer line at Kanjirampara East Residence Association (KERA), (MH 1-MH 15) under Sewerage Section, Sasthamangalam	Sewer network		0.7989	0.7609	0.038	60	0	60	Available	0.2536	0.2537	0.2916	
17	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Providing Sewer Lines from Kazhakuttom area to Kulathur Pumping Station	Sewer network		13.65	13	0.65	400	0	400	Available	4.3333	4.3334	4.9833	
18	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Providing Feacal Sludge Treatment Plant (FSTP) at Santhi Nagar in Pallithura ward	Sewage treatment		7.2	6	1.2	0	5000	5000	Available	1.9999	2.0001	3.2	
19	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Providing Sewerage lines for branch sewers in Puliavaravilakom lane, E K Nayanar road, Ulloor Gardens, Thoppil lane, Old NH road and other adjacent	Sewer network		23.1	22	1.1	800	0	800	Available	7.3333	7.3334	8.4333	
20	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Laying Transmission main and sewer networks in Block N (Ulloor)	Sewer network		23.1	22	1.1	400	0	400	Available	7.3333	7.3334	8.4333	
21	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Supplying and laying of 400mm DI K9 Pumping main (Kollavila pumping station to stilling chamber at Udhaya Gardens)	Sewer network		3.15	3	0.15	0	300	300	Available	0.9999	1.0001	1.15	
22	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Supplying and erection of Pumpsets, transformer and electrical accessories in Kollavila Pumping station	others(Associate accessories for Pumping Station)	others(Associate accessories for Pumping Station)	3.15	3	0.15	0	500	500	Available	0.9999	1.0001	1.15	
23	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Construction of sewer Pumping station in Kollavila in B lock N- Ulloor	Pumping station		8.4	8	0.4	0	500	500	Available	2.6666	2.6668	3.0666	
24	THIRUVANANTHAPURAM	THIRUVANANTHAPURAM	PD - Providing Sewerage Lines in various areas for connecting lines already laid in AMRUT 1.0 in block L,J,K and I	Sewer network		26.25	25	1.25	1000	0	1000	Available	8.3333	8.3334	9.5833	

**ANNEXURE-V: ANNUAL CAPACITY BUILDING PLAN**

Sl. No.	Target Group	1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		4 <sup>th</sup> Year		5 <sup>th</sup> Year		Total	
		No of Trainees	Cost in Cr.	No of Trainees	Cost in Cr.	No of Trainees	Cost in Cr.	No of Trainees	Cost in Cr.	No of Trainees	Cost in Cr.	No of Trainees	Cost in Cr.
1	Elected representatives and Municipal Functionaries	540	0.490	540	0.490	450	0.409	450	0.409	0	0.000	1980	1.798
2	Contractors & Managers	30	0.027	90	0.082	90	0.082	0	0.000	0	0.000	210	0.191
3	Plant operators, plumbers & work men	0	0.000	60	0.054	60	0.054	60	0.054	30	0.027	210	0.191
4	Citizens including Women	0	0.000	240	0.218	240	0.218	240	0.218	240	0.218	960	0.872
5	Town Planners	0	0.000	30	0.027	30	0.027	30	0.027	30	0.027	120	0.109
<b>Total</b>		<b>570</b>	<b>0.518</b>	<b>960</b>	<b>0.872</b>	<b>870</b>	<b>0.790</b>	<b>780</b>	<b>0.708</b>	<b>300</b>	<b>0.272</b>	<b>3480</b>	<b>3.160</b>

**ANNEXURE-VI: A & OE ACTION PLAN**

<b>Sl. No.</b>	<b>Items Proposed</b>	<b>1<sup>st</sup> Year</b>	<b>2<sup>nd</sup> Year</b>	<b>3<sup>rd</sup> Year</b>	<b>4<sup>th</sup> Year</b>	<b>5<sup>th</sup> Year</b>	<b>Total</b>
1	Procurement of PDMC/ SMMU/ CMMU for preparation of CWBPs, CWAPs, Aquifer Management Plans, DPRs, Bid documents	5.166	5.166	5.166	5.166	5.166	25.83
2	Capacity Building	0.52	0.87	0.79	0.71	0.27	3.16
3	Reform implementation	0.44	0.93	0.02	0.02	0.02	1.43
4	Publications (e-Newsletter, guidelines, brochures, etc.)	0.12	0.12	0.12	0.12	0.12	0.6
5	Others	2.714	2.714	2.714	2.714	2.714	13.57
<b>Total</b>		<b>8.96</b>	<b>9.8</b>	<b>8.81</b>	<b>8.73</b>	<b>8.29</b>	<b>44.59</b>