

Annexure 3- BUFFER LIST-SHELVES OF PROJECTS AMRUT 1& 2.0

Priority No.	ULB	Name of Project	CAPEX	Major Components	Council Approval	Land Availability	KWA HQ Evaluation	COST PER HH BENEFITED	SMMU Remarks
1	ANGAMALY (M)	AMRUT 2.0 - Angamaly Municipality- Augmentation of UWSS to Angamaly- Providing Functional Household Tap Connections to Angamaly Municipality, replacement of damaged distribution lines, providing rider lines, extensions, renovation of raw water pump house Kalady, WTP Angamaly and allied works- Phase II	6.50000	1)New House Connections :500 2)Existing house Connections : 3955 3)Total HH Benefitted :4455 4)Distribution network NEW- 0 5)Distribution network-Replacement-15 Km 6)New Tansmission network- 0 7) Replaced Transmission Network- 0 8)Storage tank - Nil 9)Treatment Plant - Renovation of Existing 5.60 MLD WTP 10) Renovation of pump house- Renovation of raw water pump house 10) Smart elements- Nil 11) Road restoration charges- 0.4297904 Cr	YES	NA	Not received	14590.34792	May be Approved.KWA recommendation is to be obtained before the next SHPSC
2	PERUMBAVOOR	AMRUT 2.0 - Perumbavoor Municipality- CWSS to Perumbavoor Municipality- Renovation of pump house at Vallam and Kanjirakkad, Water Treatment Plant at Kanjirakkad, replacement of distribution lines.	4.50000	Include Renovation of WTP and 6.1 km replacement of distribution network. 1)New House Connections :0 2)Existing house Connections : 4518 Nos 3)Total HH Benefitted : 4518 Nos 4) Distribution network-Replacement- 6.1 KM 90 mm PVC 1500m, 110 mm PVC 1500 m, 300 mm DI pipe- 3100m 5) New Tansmission network-Nil 6)Storage tank -NIL 7) Treatment Plant -Existing 10 MLD WTP - Changing of Filter Media of Two filter beds with anthracites 8)Others: Leak rectification of wash water tank and roof slab, renovation of treatment plant building, Vallam and Kanjirakkad pump house, supply and erection of 10 HP CF pump for back wash, supply and erection of 2 Nos 12.50 HP air blower, supply of lab equipments and chemicals for WTP, landscaping work and beautification of WTP 9) Road restoration charges- 37.06 lakhs	yes		Not received	9960.159363	May be Approved.KWA recommendation is to be obtained before the next SHPSC
3	Pandalam	AMRUT 2.0 -Providing 3000 FHTC in Pandalam Municipality	4.29000	1)New House Connections : 3000 2)Existing house Connections : Nil 3)Total HH Benefitted : 3000 4)Distribution network NEW- Nil 5)Distribution network-Replaced- Nil 6) New Tansmission network-Nil 7) Replaced Transmission Network- Nil 8)Storage tank -Nil 9) Treatment Plant -Nil 10) Smart elements-Nil 11) Road restoration charges- 0.050 Cr	YES	NA	Feasible	14300	May be Approved

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4	TIRURANGADI	AMRUT- Tirurangadi Municipality- Construction of 5.5 LL OHSR at Venniyoor	3.00000	1)New House Connections : 800 2)Existing house Connections : 3150 3)Total HH Benefitted : 3950 4)Distribution network NEW- Nil 5)Distribution network-Replaced- NA 6) New Tansmission network- Nil 7) Replaced Transmission Network- NA 8)Storage tank - 5.5 LL 9)CWPM-0.4 Km 10) Treatment Plant -NA 11) Smart elements-NA 12) Road restoration charges- NA	YES	Available	SE,has reported that, the proposal , providing 780 Nos FHTCs by providing additional distribution lines in Thirurangadi Municipality can ensure safe drinking WS to the FHTCs proposed.	7594.936709	May be Approved
5	Thalassery	AMRUT 2.0 - WSS TO THALASSERY MUNICIPALITY EXTENSION/ REPLACEMENT OF DISTRIBUTION NETWORK AND PROVIDING FHTCS IN THALASSERY MUNICIPALITY.	7.00000	1)New House Connections : 2000 2)Existing house Connections : 700 3)Total HH Benefitted : 2700 4)Distribution network NEW-7.28Km 5)Distribution network-Replaced- 2Km 6) New Tansmission network-NA 7) Replaced Transmission Network- NA 8)Storage tank -NIL 9) Treatment Plant -NIL 10) Smart elements-NIL 11) Road restoration charges- 1.03Cr	YES	NA	Feasible	25925.92593	May be Approved
6	Kottakkal	AMRUT 2.0 - WSS to Kottakkal Municipality - Providing Distribution Network and Household Tap Connections- Phase II	5.00000	1)New House Connections : 1300 Nos 2)Existing house Connections : 0 3)Total HH Benefitted : 1300 Nos 4)Distribution network NEW-13 Km 5)Distribution network-Replaced- NA 6) New Tansmission network-NA 7) Replaced Transmission Network- NA 8)Storage tank -NA 9) Treatment Plant -NA 10) Smart elements-NA 11) Road restoration charges- 1.227 Cr	YES	NA	SE has reported that,,the proposal can be provide 1300 FHTCs from the existing scheme . The proposal can ensure safe drinking WS to the FHTCs proposed.	38461.53846	May be Approved
7	Kottakkal	AMRUT -2.0-PROVIDING FUNCTIONAL HOUSE HOLD TAP CONNECTIONS FROM THE EXISTING SCHEME BY PROVIDING ADDITIONAL DISTRIBUTION LINES/REPLACEMENT OF OLD LINES IN KOTTAKKAL MUNICIPALITY, MALAPPURAM DISTRICT-Zone II-Pipeline Work	2.50000	1)New House Connections : 150 Nos 2)Existing house Connections : 350 nos 3)Total HH Benefitted : 500 Nos 4)Distribution network NEW-4.25 Km 5)Distribution network-Replaced- 2 Km 6) New Tansmission network-NA 7) Replaced Transmission Network- NA 8)Storage tank -NA 9) Treatment Plant -NA 10) Smart elements-NA 11) Road restoration charges- 0.45 Cr	YES	NA	CE reported that most of the distribution lines are either old AC pipes with lower in size and out dated frequently bursting PVC pipes and since most of the wards in Kottakkal municipality are non-covered by KWA . So the proposal for replacement & Distribution lines & FHTCs are proposed.	50000	May be Approved

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8	MANJERI (M)	AMRUT 2.0 - Augmentation of UWSS to Manjeri - Laying of distribution networks & providing FHTCs in Manjeri Municipality - Pipeline work	5.00000	1)New House Connections : 1050 2)Existing house Connections : 4831 3)Total HH Benefitted : 5881 4)Distribution network NEW- 7.29km 5)Distribution network-Replaced- NA 6) New Transmission network: NA 7) Replaced Transmission Network- NA 8)Storage tank - NA 9) Treatment Plant - NA 10) Smart elements- NA 11) Road restoration charges- 1Cr	YES	Available	SE has reported that, the proposal can provide 1050 FHTCs from the existing scheme. The proposal can ensure safe drinking WS to the FHTCs proposed.	8501.95545	May be Approved
9	Thrippunithura	AMRUT-2.0 - SWAP-3- Phase-2 Providing FHTCs & Pipe line extension/ replacing for improving water supply in Eroor, Thekkumbhagam & Town areas (36 wards) of Tripunithura Municipality	8.07500	1)New House Connections :2160 2)Existing house Connections : 3837 3)Total HH Benefitted : 5997 4)Distribution network NEW- 8.00 Km 5)Distribution network-Replaced- 3.00 Km 6) New Transmission network- 0.00 7) Replaced Transmission Network- 0.00 8)Storage tank - Not included in this project 9) Treatment Plant - Not included in this project 10) Smart elements- NIL 11) Road restoration charges- 2.1 Cr.	YES	NA	Not received	13465.06587	May be Approved.KWA recommendation is to be obtained before the next SHPSC.
10	Tirur	AMRUT 2.0- Tirur Municipality-Providing Distribution Network, Functional Household Tap Connection and Replacing old AC pipes -Phase II	10.00000	1)New House Connections : 2000 Nos 2)Existing house Connections : 0 Nos 3)Total HH Benefitted : 2000 Nos 4)Distribution network NEW- 13 km 5)Distribution network-Replaced- 3 Km 6) New Transmission network- Nil 7) Replaced Transmission Network- Nil 8)Storage tank -Nil 9) Treatment Plant -Nil 10) Smart elements- Nil 11) Road restoration charges- 2.57 Cr	YES	Available	CE reported that the the original scheme was commissioned in 1979. There are some roads where KWA pipe lines are not present . In this proposal, pipe line extn and replacement are old AC/PVC pipe lines are also proposed. The proposal can provide 2000 Nos households in Tirur municipality and replacement of pps old AC pipes can ensure uninterrupted supply to the existing consumers as well as to FHTCs proposed	50000	
11	Kodungallor	AMRUT 2.0 KMWSS TO KODUNGALLUR MUNICIPALITY REPLACING OF EXISTING AC PIPE BY LAYING NEW PVC PIPE IN ALL WARDS OF MUNICIPALITY AND PROVIDING FUNCTIONAL HOUSE HOLD TAP CONNECTIONS.	3.40000	1)New House Connections : 1000 Nos 2)Existing house Connections : 0 3)Total HH Benefitted : 1000 Nos 4)Distribution network NEW-2.8 km 5)Distribution network-Replaced- 4.5 6) New Transmission network- Nil 7) Replaced Transmission Network- Nil 8)Storage tank -Nil 9) Treatment Plant -Nil 10) Smart elements- Nil 11) Road restoration charges- 0.509 Cr	YES	NA	Based on the SE's report, the FHTCs of the present proposal can be improved only after implementing the augmentation works proposed in State Plan & AMRUT 2.0	34000	May be Approved

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12	Kayamkulam	AMRUT 2.0 UWSS to Kayamkulam municipality PHASE II -Supplying and laying of distribution main ,Providing FHTC and Renovation works at WTP including Supply and erection of Pump sets	14.55420	1)New House Connections : 2640 2)Existing house Connections : 4742 3)Total HH Benefitted : 7382 4)Distribution network NEW-25 km 5)Distribution network-Replaced- 0 6) New Tansmission network - Nil 7) Replaced Transmission Network- Nil 8)Storage tank -nil 9) Treatment Plant Maintenance 10) Smart elements-meters 11) Road restoration charges- 1.77 cr 12)Supplying and erection of pumpset(CFP)75HP -1no, 60HP -1no 13)Alteration of connections -1540no	YES	NA	Not received	19715.79518	May be Approved.KWA recommendation is to be obtained before the next SHPSC
13	Erattupetta	AMRUT 2.0 -WSS to Erattupetta Municipality-Zone I, Phase II -(Extention of Distribution Network)	5.00000	1)New House Connections : 1000 2)Existing house Connections : 250 3)Total HH Benefitted : 1250 4)Distribution network NEW-11.67 km 5)Distribution network-Replaced- nil 6) New Tansmission network-nil 7) Replaced Transmission Network- nil 8)Storage tank - nil 9) Treatment Plant - nil 10) Smart elements- nil 11) Road restoration charges- 1.5334642 cr.	yes	NA	CE has reported that, the WSS to Erattupatta municipality is feasible in comply with JJM works of CWSS to 13 Panchayaths based on Malankara Reservoir.	40000	May be Approved
14	Erattupetta	AMRUT 2.0 -WSS TO ERATTUPETTA MUNICIPALITY- ZONE I, PHASE -III (Aruvithura Area)	10.00000	1)New House Connections : 1500 2)Existing house Connections : 700 3)Total HH Benefitted : 2200 4)Distribution network NEW- 24 km 5)Distribution network-Replaced-nil 6) New Tansmission network-nil 7) Replaced Transmission Network-nil 8)Storage tank -nil 9) Treatment Plant -nil 10) Smart elements-nil 11) Road restoration charges- 3.8984359	YES	NA	Not received	45454.54545	May be Approved.KWA recommendation is to be obtained before the next SHPSC
15	Piravom	AMRUT 2.0 - WSS to Piravom Municipality-Construction of 5.3LL capacity OHSR at Kombanamala , Replacement of clear water pumping main , achieving full FHTCs and allied components	8.01740	1)New House Connections : 0 2)Existing house Connections : 5952 3)Total HH Benefitted : 5952 4)Distribution network NEW- NIL 5)Distribution network-Replaced- NIL 6) New Tansmission network- NIL 7) Replaced Transmission Network- 4.1 Km 8)Storage tank - 5.3LL 9) Treatment Plant - NIL 10) Smart elements- NIL 11) Road restoration charges- 3.24 Cr. 12) Installation of Pumpsets, KSEB dedicated Feeder to Plant	YES	Requested 1 more month for land acquisition. Consent of land owner submitted	- SE recommended that the project is technically feasible and the source is adequate for the execution of project. For the construction of proposed Kombanamala water tank around 10cent of land is to be acquired. Piravom Municipality has promised to find suitable land as required for the water tank construction - Proposal is Feasible. Land for OHSR to be acquired by Municipality.	13470.09409	May be Approved.KWA recommendation is to be obtained before the next SHPSC

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16	Eloor	AMRUT 2.0- Pipe line Replacement of old 150 mm AC pipe with 200 mm DI pipes from Puthiya Road Signal to FACT junction-and providing FHTC-640	3.20000	1)New House Connections : 640 2)Existing house Connections : 3859 3)Total HH Benefitted : 4499 4)Distribution network NEW- NIL 5)Distribution network-Replacement(200 mm DI)- 3000 m 6) 90 mm PVC Rider line -3000m 7)New Tansmission network- NIL 8) Replaced Transmission Network- NIL 9)Storage tank -NIL 10) Treatment Plant -NIL 11) Smart elements-NIL 12) Road restoration charges- Rs 7057265	YES	NA	Not received	7112.691709	May be Approved.KWA recommendation is to be obtained before the next SHPSC
17	Kalamassery	AMRUT2.0- Pipe line replacement works and providing 900 FHTCs in various wards of Kalamassery Municipality	3.81480	1)New House Connections : 900 2)Existing house Connections : 2500 3)Total HH Benefitted : 3400 4)Distribution network NEW- 5)Distribution network-Replaced- 9204 m 6) New Tansmission network -NIL 7) Replaced Transmission Network- NIL 8)Storage tank -NIL 9) Treatment Plant -NIL 10) Smart elements-NIL 11) Road restoration charges- Rs 8233683.65	YES	NA	Not received	11220	May be Approved.KWA recommendation is to be obtained before the next SHPSC
18	KONDOTTY	AMRUT 2.0 - WSS for Kondotty municipality- Providing Distribution Network and Road Restoration Work in Kondotty Municipality	3.50000	1)New House Connections: NA 2)Existing house Connections: 1000 3)Total HH Benefitted: 1000 4)Distribution network NEW- 16.55kms 5)Distribution network-Replaced- NA 6) New Transmission network: NA 7) Replaced Transmission Network- NA 8)Storage tank - NA 9) Treatment Plant - NA 10) Smart elements- NA 11) Road restoration charges- 2.919 Cr	YES	Available	Feasible	35000	May be Approved
19	Shornur	AMRUT 2.0 - SWAP 3 - SHORNUR MUNICIPALITY - PIPE LINE REPLACEMENT / EXTENSION OF VARIOUS SIZE PIPES AND PROVIDING 1200 FHTC'S - PACKAGE II	8.00000	1)New House Connections : 1200 2)Existing house Connections : 8717 3)Total HH Benefitted : 9917 4)Distribution network NEW- NA 5)Distribution network-Replaced- 17.05 km 6) New Tansmission network: NA 7) Replaced Transmission Network- 0.487km 8)Storage tank - NA 9) Treatment Plant - NA 10) Smart elements- NA 11) Road restoration charges- 1.64 Cr	YES	NA	Feasible	8066.955733	May be Approved

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20	Kothamangalam	AMRUT 2.0-SWAP-3-PROVIDING 950 FHTCs TO URBAN HOUSE HOLDS with AUGMENTATION OF EXISTING SCHEMES IN KOTHAMANGALAM MUNICIPALITY-PHASE II	4.70000	1)New House Connections : 950 2)Existing house Connections : 3100 3)Total HH Benefitted : 4050 4)Distribution network NEW- 1 KM 5)Distribution network-Replaced- 9.320 KM 6) New Tansmission network -NIL 7) Replaced Transmission Network- NIL 8)Storage tank -NIL 9) Treatment Plant -NIL 10) Smart elements-NIL 11) Road restoration charges- Rs.27.83147 Lakhs	YES	NA	-SE Certified that the project is technically feasible and the source is adequate for the execution of the project. -Based on the SE's report, the proposal is feasible.	11604.93827	May be Approved.KWA recommendation is to be obtained before the next SHPSC
21	Tirur	AMRUT 2.0- Tirur Municipality-Providing Distribution Network,Functional House hold Tap connection and Replacement of old AC pipes-Phase I	15.00000	1)New House Connections : 3000 2)Existing house Connections : 0 3)Total HH Benefitted : 3000 4)Distribution network NEW- 17.5km 5)Distribution network-Replaced- 2.9 Km 6) New Tansmission network- Nil 7) Replaced Transmission Network- Nil 8)Storage tank - NA 9) Treatment Plant -NA 10) Smart elements- NA 11) Road restoration charges- 2.869 Cr	YES		CE reported that the the original scheme was commissioned in 1979. There are some roads where KWA pipe lines are not present . In this proposal, pipe line extn and replacement are old AC/PVC pile lines are also proposed. The proposal can provide 3000 Nos households in Tirur municipality and replacement of ppes old AC pipes can ensure uninterrupted supply to the existing consumers as well as to FHTCs proposed	50000	May be Approved
22	Tirurangadi	AMRUT 2.0 - Water Supply Scheme to Tirurangadi Municipality -SWAP3- Laying distribution network Venniyoor HL Zone-Pipeline work	5.00000	1)New House Connections : 1000 2)Existing house Connections : 0 3)Total HH Benefitted : 1000 4)Distribution network NEW- 2.5 km 5)Distribution network-Replaced- Nil 6) New Tansmission network: NA 7) Replaced Transmission Network- 8)Storage tank - NA 9) Treatment Plant -NA 10) Smart elements-NA 11) Road restoration charges- 0.79 Cr	YES	NA	Not received	50000	May be Approved.KWA recommendation is to be obtained before the next SHPSC
23	Irinjalakkuda	AMRUT 2.0 - SWAP 3 - IWSS to Irinjalakuda municipality -Pipe line strengthening at potta moonnupeedika road by replacing old AC pipes	6.50000	1)New House Connections : NA 2)Existing house Connections : 1683 3)Total HH Benefitted : 1683 4)Distribution network NEW-NA 5)Distribution network-Replaced- 12.45km 6) New Tansmission network: NA 7) Replaced Transmission Network- NA 8)Storage tank - NA 9) Treatment Plant - NA 10) Smart elements- NA 11) Road restoration charges- 3.284Cr	YES	NA	Based on the SE's report, the proposal is feasible on completion of the ongoing state plan work of Rs. 75.08 cr, the level of supply can be increased.	38621.50921	May be Approved

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24	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at PSY East area in from WTP SNDP (WTP road, Pallikkad road, Kattungachira road) with 300mm DI pipe and PVC pipe as rider line	2.50000	1)New House Connections : Nil 2)Existing house Connections : 1220nos 3)Total HH Benefitted : 1220 nos 4)Distribution network NEW- 1.71km 5)Distribution network-Replaced- 1.70km 6) New Tansmission network:Nil 7) Replaced Transmission Network- NII 8)Storage tank - Nil 9) Treatment Plant -Nil 10) Smart elements- Nil 11) Road restoration charges- 0.694	-Adv approval is Available. -Council Pending	Available	Not received	20491.80328	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
25	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at PSY East area from Panoli bridge to Mapranam block Jn (Civil Station road) with 250mm DI pipe and PVC pipe as rider line	1.80000	1)New House Connections : Nil 2)Existing house Connections : 1220nos 3)Total HH Benefitted : 1220 nos 4)Distribution network NEW- Nil 5)Distribution network-Replaced- 2.81km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - NII 10) Smart elements- NII 11) Road restoration charges- 0.925Cr	-Adv approval is Available. -Council Pending	Available	Not received	14754.09836	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
26	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at High level zone from WTP to Christ Junction with 350mm DI K9 and PVC pipe as rider line	3.00000	1)New House Connections : Nil 2)Existing house Connections : 1940nos 3)Total HH Benefitted : 1940 nos 4)Distribution network NEW- 2.56km 5)Distribution network-Replaced- 1.72km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - NII 10) Smart elements- Nil 11) Road restoration charges- 0.789Cr	-Adv approval is Available. -Council Pending	Available	Not received	15463.91753	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
27	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at High level zone from Udays Junction Marine hospital with 300mm DI K9 pipe and PVC pipe as rider line	0.90000	1)New House Connections : Nil 2)Existing house Connections : 1940nos 3)Total HH Benefitted : 1940 nos 4)Distribution network NEW- 0.540km 5)Distribution network-Replaced- 0.540km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - Nil 10) Smart elements- Nil 11) Road restoration charges- 0.298Cr	-Adv approval is Available. -Council Pending	Available	Not received	4639.175258	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC

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28	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at Low level zone from WTP to round about with 400mm DI pipe and PVC pipe as rider line	2.00000	1)New House Connections : Nil 2)Existing house Connections : 3282nos 3)Total HH Benefitted : 3282 nos 4)Distribution network NEW- 2.688km 5)Distribution network-Replaced- 0.450km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - Nil 10) Smart elements- Nil 11) Road restoration charges- 0.355 Cr	-Adv approval is Available. -Council Pending	Available	Not received	6093.845216	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
29	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at Low level zone round about to SBI ATM to PWD with 400mm DI pipe and PVC pipe as rider line	0.90000	1)New House Connections : Nil 2)Existing house Connections : 3282nos 3)Total HH Benefitted : 3282 nos 4)Distribution network NEW- Nil 5)Distribution network-Replaced- 0.510km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - Nil 10) Smart elements- Nil 11) Road restoration charges- 0.316 Cr	-Adv approval is Available. -Council Pending	Available	Not received	2742.230347	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
30	IRINJALAKUDA	AMRUT 2.0 - IWSS to Irinjalakuda Municipality - Replacement of the existing distribution line at Low level zone from SBI ATM to PWD rest house with 300mm DI pipe and PVC pipe as rider line	1.45000	1)New House Connections : Nil 2)Existing house Connections : 3282nos 3)Total HH Benefitted : 3282 nos 4)Distribution network NEW- Nil 5)Distribution network-Replaced- 1.910km 6) New Tansmission network: Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - Nil 10) Smart elements- Nil 11) Road restoration charges- 0.514Cr	-Adv approval is Available. -Council Pending	Available	Not received	4418.037782	May be Approved.KWA recommendation & Council decision is to be obtained before the next SHPSC
31	Karunagapally	AMRUT 2.0-SWAP 3- Construction of Sump and pump house ,erection of pumpset and replacement of existing damaged distribution line in Karunagappally Municipaliy	6.92000	1)New House Connections : 0 2)Existing house Connections : 2158 3)Total HH Benefitted : 2158 4)Distribution network NEW-0 5)Distribution network-Replaced- 4 km 6) New Tansmission network-0 7) Replaced Transmission Network- 0 8)Storage tank - 3LL Sump 9) Treatment Plant - Nil 10) Smart elements- meters&GIS 11) Road restoration charges- Rs.3.20 Cr	YES	Confirmed	The work is feasible only on realization of the work of CWTM Kolathumukku Tank to Thacheyilmukku-	57666.66667	May be Approved

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32	NEYATTINKARA (M)	AMRUT 2.0-PHASE 2-Replacement of AC pipes, pipe line extension and providing FHTCs in Neyyattinkara Municipality	4.77000	1)New House Connections : 500 2)Existing house Connections : 700 3)Total HH Benefitted : 1200 4)Distribution network NEW- 5 KM 5)Distribution network-Replaced- 9 KM 6) New Tansmission network -Nil 7) Replaced Transmission Network- Nil 8)Storage tank -Nil 9) Treatment Plant -Nil 10) Smart elements-Nil 11) Road restoration charges-1.275 Cr	YES	Available	Feasible	22103.79981	May be Approved
33	CHALAKUDY (M)	AMRUT 2.0 - SWAP 3 - Replacing of various sizes AC pipes in various wards of Chalakudy Municipality including road restoration	3.00000	1)New House Connections : NA 2)Existing house Connections : 250 3)Total HH Benefitted : 250 4)Distribution network NEW-NA 5)Distribution network-Replaced- 8.80km 6) New Tansmission network: NA 7) Replaced Transmission Network- 0.80km 8)Storage tank - NA 9) Treatment Plant - NA 10) Smart elements- NA 11) Road restoration charges- 0.72Cr	YES	Available	Feasible	42857.14286	May be Approved
34	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacing 225mm CI pipe and laying 160mm PVC on either side as rider main along Sreekaryam-Chekkalamukku-Kattayikonam road	10.68250	1)New House Connections : Nil 2)Existing house Connections : 2250 3)Total HH Benefitted : 2250 4)Distribution network NEW- Nil 5)Distribution network-Replaced- 11.50 KM 6) New Tansmission network - Nil 7) Replaced Transmission Network- Nil 8)Storage tank - Nil 9) Treatment Plant - Nil 10) Smart elements- Nil 11) Road restoration charges- Rs. 5,42,81,210/-	YES	Available	Feasible	47477.77778	NO FUND
35	THIRUVANANTHAPURAM	AMRUT 2.0 - Replacing of existing frequent breaking PVC (JICA laid) line in Nettayam-Manikanteswaram road to 300mm dia DI line	1.25000	1)New House Connections : 50 2)Existing house Connections : 210 3)Total HH Benefitted : 260 4)Distribution network NEW- Nil 5)Distribution network-Replaced- 700m 6) New Tansmission network - Nil 7) Replaced Transmission Network- 1000m 8)Storage tank - Existing 9) Treatment Plant - Existing 10) Smart elements- Nil 11) Road restoration charges- 0.194 cr	YES	Available	Feasible	48076.92308	NO FUND
36	Kollam	Amrut 2.0 Comprehensive water supply scheme to Kollam Corporation- Construction of weir at Njankadavu across Kallada river	44.42020	1)New House Connections : Nil 2)Existing house Connections : 52601 3)Total HH Benefitted : 52601 4)Storage barrier at Njankadavu-150 MLD	YES	Available	Not received	8444.744396	NO FUND

Annexure 3- BUFFER LIST-SHELVES OF PROJECTS AMRUT 1& 2.0

Priority No.	ULB	Name of Project	CAPEX	Major Components	Council Approval	Land Availability	KWA HQ Evaluation	COST PER HH BENEFITED	SMMU Remarks
37	Maradu	AMRUT 2.0 - IMPROVING PRODUCTION CAPACITY OF 100MLD WTP, MARADU- SUPPLY AND LAYING OF AN ADDITIONAL 1000MM HDPE RAW WATER LINE THROUGH RIVER FROM MALEKKADU TO MARADU AND PROVIDING FHTCS TO MARADU MUNICIPALITY	45.00000	1)New House Connections : 300 2)Existing house Connections : 13195 3)Total HH Benefitted : 13495 4)Distribution network NEW- 2.00 Km 5)Distribution network-Replaced- NIL 6) Raw water Tansmission main- 5.7 KM 7) Replaced Transmission Network- NIL 8)Storage tank - NIL 9) Treatment Plant - .Replacing the existing sand filter media with dual filter media (5 Nos) using Anthracite 10) Smart elements- NIL 11) Road restoration charges- 79 lakhs 12) Source augumentation- yes	YES	NA	SE has reported that the production capacity of the plant can be improved and more treated water can be supplied to the areas such as western kochi , Thevara zones of Kochi corpm, Maradu municipality and 3 panchayaths Kumbalam, Kumbalangi, chellanam and Thammanam zone with covers the additional requirement of city area.	33345.68359	May be Approved
		AMRUT 2.0- Buffer	275.14410						