

## Performance Report of Kerala Water Authority for the year 2015-16

During the year 2015-16 , GoK had provided a budget allocation of Rs.63180.00 Lakhs under state plan schemes and Rs. 28510.69 Lakhs under Non Plan schemes. Against the net budget provision of Rs.63180.00 Lakhs under State plan head , GoK has released Rs. 51919.07 lakhs to KWA. Out of the available fund including opening balance , KWA had incurred an expenditure of Rs. 48221.85 Lakhs for the implementation of the different schemes. ( Details are given below ). In addition to this GoK had released Rs. 27110.69 Lakhs as Non- Plan Grant to KWA against the the net Budget provision of Rs. 28510.69 Lakhs and KWA had utilized Rs.26510.69 Lakhs for payment of Salary , other establishment expenses, O &M and power charges and Rs. 1008.72 Lakhs for Non Plan Schemes.

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
1	Survey & Investigation (2215-01-190-99-01)	75.00	75.00	75.00	9.41	Water Supply Scheme to Muriyad and Velookkara Panchayath in Thrissur District completed. WSS to Perumbavoor Municipality and adjoining Panchayaths completed .Survey works for which AS was accorded in 2014-2015 in progress. FS issued for Rs. 2.88 Lakhs for survey works during 2015-16.
2	Training, Quality Control, Research & Development (2215-01-190-99-02)	100.00	100.00	100.00	162.23	105 training courses conducted during 2015-16. 2313 participants under gone training.
3	Sewerage schemes (2215-02-190-99-01)	600.00	600.00	600.00	451.18	Procured new vehicle mounted hetting cum suction unit for Kochi drainage Scheme. commissioned one number of flight submersible pump at Sewerage pumping station, Kuryathy for Trivandrum Sewerage scheme. Various works are in progress.AS issued for Rs.900 lakhs in 2015-16.
4	WSS to Medical College Hospitals (2215-01-190-99-03)	75.00	75.00	75.00	0.00	
5	Other Urban WSSs, Improvements & Rehabilitation of existing Schemes (2215-01-190-99-04)	700.00	700.00	500.00	328.78	AS issued for Rs.1052.5 lakhs during the year 2015-16 . Works on the schemes are in various stages of implementation.
6	Other Rural WSSs - improvements to existing schemes (2215-01-190-99-07)	700.00	390.00	275.00	228.67	AS issued for Rs. 1121.26 lakhs during the year 2015-16. Works on the schemes are in various stages of implementation.
7	WSS to Sabarimala (2215-01-190-99-10)	100.00	100.00	100.00	0.00	AS issued for Rs. 23 lakhs during the year 2015-16. .
8	Computerisation of Billing & Collection System Phase I (2215-01-190-98)	75.00	75.00	75.00	33.79	1.Support for 18 divisions , 45 sub divisions and 60 sections are being carried out this year. 5 more divisions 16 more sub divisions and 22 section offices are rolled out with E- Abacus.- The Enterprise billing application of KWA.Site preparation implementation and post implementation

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
9	Computerisation - RGNDWM. & Computerisation of KWA officers - Phase-II (2215-01-190-97)	75.00	75.00	75.00	7.94	activities over for above offices. 2. Digitisation work of consumer has been almost completed state wide. 3. Integrated with Reserve Bank of India for ECS payment under NEC S project for RBI. 4. Integrated with State Service delivery gateway – Government of Kerala for new connection service. 5. Application development for cash collection through palm held machine completed. 6. Local body billing for 18 divisions completed.
10	Documentation of Project Data by KWA (2215-01-190-91)	100.00	100.00	100.00	38.23	7. ERP implementation initiated. Tendering process completed and selection of PMC underway. 8. GPF application integrated to new software from Legacy software and credit card issue started.
11	Completion of Rural WSS other than ARWSP Schemes (2215-01-102-99)	500.00	400.00	400.00	58.67	Steps taken for completion of Furnishing and face lifting works of Alamcode, Karimannor, Udumbannur scheme originally taken up under SPAN . RWSS to Karakutty & Mookannoor Pt completed.
12	NABARD Assisted RWSS (4215-01-102-98-01)	8918.00	8918.00	7359.00	8456.44	RIDF XIV - Out of 36 schemes, 29 schemes are completed. Three schemes partially completed. Remaining schemes ongoing. RIDF XVI - Schemes are ongoing (25 schemes). RIDF XVII - 2 major schemes and Out of 52 Endosulphan schemes 14 are completed and 38 schemes are ongoing. RIDF XVIII - 10 schemes are ongoing. RIDF XIX - 8 schemes are in work in progress RIDF XX - 9 Schemes are in work in progress
13	Renovation of old Water Treatment Plants (2215-01-190-93)	200.00	200.00	200.00	39.38	AS issued for Rs. 205 lakhs during the year 2015-16. 21 works are completed. Renovation works to 14.5 mld water treatment plant at Peechi completed . Others are in various stages of implementation.

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
14	Technology Mission Schemes 25% & 50% State share (2215-01-190-99-20)	500.00	200.00	200.00	499.11	There are 10 schemes originally taken up for implementation under Technology Mission and 5 schemes are taken up under revised submission schemes. The total project cost is Rs. 14081.00 lakhs. All these schemes were being implemented with central assistance till 2013-2014 in the ratio of central and state funds 75:25 for eleven schemes, 50:50 for three schemes and 96.3:3.7 for one scheme. Out of these 15 schemes, 9 schemes were completed and 5 schemes partially completed. Out of the 5 schemes partially completed, for two schemes some of the components were executed with Technology Mission funds. WSS to 8 panacahayths in Amblappuzha Taluk in Alppuzha District is progressing
15	Guruvayur Drainage Scheme - Special Assistance (2215-02-105-92)	250.00	250.00	250.00	105.78	3 MLD STP fully completed except some finishing works, Mechanical works. Repair and maintenance of collecting sumps and pump house completed. Works in progress.
16	State Water Quality Referral Institute at Aluva (Special Assistance) (2215-01-800-79)	50.00	75.00	75.00	0.00	As part of providing electric supply for meter testing lab amount paid to KSEB for setting up of transformer. 4 nos. UV Spectro photometer procured. 50% advance paid to BHEL for supplying installation and commissioning of diesel generator at SRI. Purchase of chemicals and hardware completed. Calibration of equipment under progress.
17	Manufacturing units for Bottled water (2215-01-190-96)		0.00	0.00	1.14	AS issued for Rs. 10 crores. Tender invited . Agreement executed . Work started .
18	Drought Relief Works sanctioned by Government of Kerala (2215-01-800-84)	0.00	8800.00	8800.00	6095.21	Expenditure met for around 2600 drought relief works
19	Implementation of priority schemes under the Kerala perspective plan 2030 ( 2215-01-101-97 )	100.00	100.00	0.00	0.00	

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
20	Rural Water Supply Scheme (old and new) 2215-01-102-81	6560.00	4970.00	4969.28	3560.08	<p>Following schemes grouped in this head of account.</p> <ol style="list-style-type: none"> <li>1. Drinking Water Supply Scheme to Cheekode and Adjoining Villages - WSS to Feroke-karuvanthuruthy villages in Feroke Panchayat- laying distribution systems</li> <li>2. Parassala &amp; Kumarakom WSS</li> <li>3. WSS to Erumeli Panchayath</li> <li>4. Drinking Water Supply Project for Kilimanoor, Pachayakunnumel and Madavoor Villages</li> <li>5. Drinking Water Supply project for Vithura and Tholicode</li> <li>6. Comprehensive Drinking Water Supply in Harippad</li> </ol> <p>Above schemes are under various stages of implementation.</p> <ol style="list-style-type: none"> <li>1. Drinking Water Supply project for Vazhiparamba, Mathrumala replacement-work completed. Investigation and preparation of DPR to be done for below schemes.</li> <li>1. Water Supply Scheme to Lakkattoor</li> <li>2. WSS to Anakkallu</li> <li>3. WSS to Parathodu</li> <li>4. WSS to Thevarupara</li> <li>5. WSS to Mundakkayam</li> <li>6. WSS to Koruthodu</li> <li>7. Water Supply Scheme to Vengara and adjoining Panchayaths</li> </ol> <p>AS issued for WSS to Vilappil Panchayath for an amount of Rs. 16 crore during 2015-16.</p>
21	Energy conservation measures and rehabilitation of obsolete pumps and motors and other electrical installations (2215-01-800-65)	250.00	250.00	250.00	80.95	AS issued for Rs. 250 lakhs during 2015-16. Works being arranged. Supply, erection and installation of suitable capacity ISI marked power capacitor at various pump houses of KWA.
22	Accelerated Rural WSSs -50% State share (2215-01-190-99-18)	6500.00	6500.00	10131.79	8271.04	37 schemes completed during 2015-16. Remaining 172 schemes are under various stages of implementation. AS accorded for an amount of Rs. 26600 lakhs during 2015-16

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
23	Completion of ongoing Urban Water Supply Schemes- Special package (2215-01-101-98)	4500.00	1750.00	1750.00	3075.53	17 schemes taken up under the head. Five schemes completed. WSS to Kuthupparamba Municipality and Pattiam and Kottayam CT - Supply, erection and mace of Electrical sub station and allied works at Edakkanam in progress .Rehabilitation of distribution sytem and service connection in SA road - Supplying, laying, testing and commissioning of 315mm OD HDPE pipe PN 10 PE 100 and distribution lines and interconnection works from Puthenpalan to Vytila in S.A road Kochi - Work Completed. Augmentation and Improvement of WSS to Nilambur Municipality started . Works of the remaining schemes are in various stages of implementation
24	SAARK 2010-11 (Special Assistance Against Recession in Kerala) (2215-01-800-60)	499.00	499.00	499.00	504.61	Improvement of WSS to Venniyur HL zone of Tirurangadi Pt - Supplying, laying, testing and commissioning of 140mm PVC 10 Kg/cm2 - Clear water pumping main from Kakkad sump to Venniyur OH Reservoir-completed. ARWSS to Munnipur/ Thenhipalam/ Chelembra / Peruvallur villages - Relaying of existing 125mm AC damaged pumping main common for University and Kakkanchery zone with 160mm PVC pipes of Class 12.5 Kg/Sq cm and 10 Kg/Sq.Cm-completed. Improvements to WSS to Kondotty & Nediyrippu villages - Package I completed . Supplying & laying 350mm, 300mm DI K9 pipes for pumping main and gravity main and construction of 188LL capacity GLSR- in progress WSS to Belur and adj. villages - Package I completed- Supplying and laying clear water gravity main & distribution system.
25	WSS to Malabar Cancer Centre ,Thalassery (2215-01-800-59)	50.00	60.00	60.00	59.57	Work completed

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
26	Investment in major Capital projects (Water supply) (4215-01-800-96)	400.00	400.00	0.00	0.00	AS issued for two works viz: Interim Augmentation of WSS to Kochi city (Part I-Phase I) for Rs 23853 lakhs and kollam WSS -providing additional source from kallada river at kadapuzha for Rs. 1450 lakhs. Tender invited . Agreement executed. Work started for WSS to Kollam.
27	Replacement of old pipes of existing WSS (2215-01-190-94)	9500.00	6200.00	6200.00	8427.91	Following replacement works are completed . 1. TWSS to Aruvikkara - Peroorkada 2. CWSS to Varkala municipality 3. UWSS to Nedumangad municipality . 4. CWSS to Kurichy, Vazhappally, Paipadu & Thrikodithanam Pt. 5. CWSS to Changancherry Municipalities and adjoining villages. Major ongoing works include replacement of old Premo/AC pipes in Kasargod,Kannur,Tirur, Vatakara, Thalassery, Guruvayur-Kunnamkulam Kottayam Municipalities , Fort Kochi-Mattancherry, Kumarakom, Thodupuzha etc. These works are under various stages of execution. AS issued for works amounting to Rs. 14134 .00 Lakhs during 2015-16.
28	Renovation of Existing Civil structures owned by KWA (2215-01-190-92)	700.00	350.00	350.00	450.99	Renovation of civil structures such as KWA office buildings, guest houses & pump houses in Kochi, Kottayam , Palakkad, Kozhikode etc- are under various stagesof implementation. AS issued for works amounting to Rs. 1043.50 Lakhs during 2015-16
29	Modernisation of Water Supply Scheme (4215-01-800-95)	200.00	200.00	0.00	0.00	Action being initiated

(Rs. in Lakhs )

SI No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
30	NRW Managamant by KWA (2215-01-190-90)	300.00	200.00	200.00	0.00	Projects under NRW management include 1. Water Audit in Trivandrum, Kochi, Kottayam, Kasaragod and Nedumangad. 2. 24 x 7 water supply in Peroorkada zone of Thiruvananthapuram. 3. Bulk metering for all major schemes in KWA. 4. SMART metering for consumers with consumption above 500 KL per month. 5. Replacement of meters of all ND and part of D consumers in Kowdiar with FCRI certified meters. 6. Pump house Automation - Pilot study. 7. Desalination programme. 8. Baseline survey for assessing service level for KWA. 9. Miscellaneous work.
31	Innovative Technologies (Desalination in kuttanadu) (2215-01-190-89)	400.00	365.00	250.00	0.00	1. AS No. WS/66/2012-13 dated 08/11/2012 issued for Establishing Mobile based WTP with RO units at Sabarimala and other festive locations/disaster prone/quality affected area in the state for providing clean and safe drinking water in pocket pouches, cans/ containers to the pilgrims, devotees and others for an amount of Rs. 2.5 crores.-Retendered twice- no response. 2. AS No. WS/90/2012-13 dated 05/02/2013 Manufacture and supply, fixing and commissioning of 5000 and 10000LPH capacities skid mounted and movable and microwater TP for an amount of 42 lakhs.- work completed. trial run in progress 3. AS No. WS/85/2012-13 dated 02/01/2013 design, Manufacturing , supply, erection and commissioning and testing of GSM based water level monitoring system for Peppara Dam and Aruvikkara Dam for an amount of 19.745 lakhs- no further action

(Rs. in Lakhs )

Sl No.	Name of Scheme with Head of Account	Original Budget Provision	Net Budget Provision	Release during the year	Actual Expenditure	Achievement
32	5% Earmarked Quality Fund for water Quality affected habitation ( 2215-01-190-99 (23) )	203.00	203.00	0.00	48.61	Govt has announced 5% Earmarked fund for water quality affected habitations. This fund is over and above the normal allocation under NRDWP. During 2013-14, 6 schemes were sanctioned for a total project cost of Rs.1377.67 lakh under the category .The funding pattern between Central and state is 50:50 for all these schemes. Out of 6 schemes 4 schemes were completed and remaining 2 schemes are in progress.
33	JBIC assisted Kerala Water Supply Project (6215-01-190-98)	20000.00	20000.00	8000.00	7226.35	1. Thiruvananthapuram Scheme- 93.8% completed 2. Meenad Scheme- 91.52% completed 3. Cherthala -100% completed 4. Kozhikkode Scheme - 91.13% completed 5. Pattuvam Scheme -99.29% completed

<b>TOTAL PLAN FUND</b>	<b>63180.00</b>	<b>63180.00</b>	<b>51919.07</b>	<b>48221.60</b>		
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<b>NON PLAN GRANT</b>						
1	Grant in aid to Salary & Non Salary	24510.69	26510.69	26510.69	26510.69	Establishment purpose
2	Projects under LAC ADF (4215-01-800-93)	4000.00	4000.00	600.00	931.31	AS far 115 schemes have been sanctioned for an amount of Rs. 7649.72 lakh. Out of these 44 schemes have been completed so far. Additional expenditure met from previous year balance.
3	Construction of Balikkadavu at Aruvikkara Dam site (4215-01-800-94)	0.00	0.00	0.00	77.41	AS received vide GO(Rt) 371/2013/WRD dated 02/04/2013 and WS/43/2013-14 dated 26/06/2013 of the MD, KWA. TS issued vide TS No. KWA/CE(SR)/12/2013-14 dated 31/07/2013. Work completed. Expenditure met from previous year balance
<b>TOTAL NON PLAN FUND</b>		<b>28510.69</b>	<b>30510.69</b>	<b>27110.69</b>	<b>27519.41</b>	
<b>GRAND TOTAL</b>						
		<b>91690.69</b>	<b>93690.69</b>	<b>79029.76</b>	<b>75741.01</b>	

**Managing Director**