

# KERALA WATER AUTHORITY



## ADMINISTRATIVE REPORT FOR THE YEAR

**2014-15**

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## INDEX

CHAPTER	TITLE	PAGE NO
I	Kerala Water Authority – A Profile	3
II	Constitution of the Authority	4
III	Organisational Structure	6
IV	Establishment	10
V	Computerisation And IT Initiatives	14
VI	Implementation of Right To Information Act	15
VII	Training Activicties	19
VIII	Financial Performance	27
IX	Schemes in Operation	31
X	JICA Assisted KWSP	36
XI	WASCON	40
XII	Complaint Redressal Centre	51
XIII	National Pension System Cell	53
XIV	ABBREVIATIONS	54

## CHAPTER -I

### KERALA WATER AUTHORITY – A PROFILE

- 1.1 Kerala Water Authority was established by the Government of Kerala on 1<sup>st</sup> of April, 1984 under the Kerala Water and Waste Water Ordinance, 1984 to provide for the development and regulation of water supply and waste water collection and disposal in the state of Kerala and for matters connected therewith. The ordinance was replaced by the Kerala Water Supply and Sewerage Act, 1986 (Act 14 of 1986)
- 1.2 The Authority was established by vesting the properties and assets of the erstwhile Public Health Engineering Department under section 16 of the Act and the assets, rights and liabilities of the local bodies and the Kerala State Rural Development Board in so far as they pertain to the execution of water supply and sewerage schemes under section 18 of the Act.
- 1.3 The main functions of the Authority are
  - (i) Preparation, execution, promotion, maintenance and financing of the schemes for the supply of water and disposal of wastewater.
  - (ii) Planning for the state's water supply and sewerage requirements.
  - (iii) Preparation of state plans for water supply and collection and disposal of wastewater on the direction of the Government.
  - (iv) Establishment of state standards for water supply and wastewater services.
  - (v) Carrying out applied research for efficient discharge of the functions of the Authority.
  - (vi) Making provisions for the supply of wholesome water and efficient sewerage services to the people in the state.

## CHAPTER -II

### CONSTITUTION

2.1 The Authority consists of the following members.

- (i) Chairman – Appointed by the Government.
- (ii) Managing Director – Appointed by the Government.
- (iii) Secretary to Government, Water Resources Department, Government of Kerala.
- (iv) Secretary to Government, Finance, Government of Kerala.
- (v) Secretary to Government, Local Administration, Government of Kerala.
- (vi) Secretary to Government, Rural Development Department, Government of Kerala.
- (vii) Two members representing the Local Bodies in the state, appointed by Government.
- (viii) Two members appointed by the Government, one of whom shall be a member belonging to the schedule caste / schedule tribe.
- (ix) A Technical Member, appointed by the Government.
- (x) An Accounts Member, appointed by the Government.

## Members of the Authority

	DESIGNATION	PERIOD (01/04/2014 – 31/03/2015)
1	Chairman KWA & Additional Chief Secretary, Water Resources Department	Sri. V. J. Kurian IAS 01/04/2014 – 31/03/2015
2	Principal Secretary to Government (Finance) (Ex-officio) Additional Chief Secretary (Finance)	Sri. Rabindra Kumar Agarwal IAS 12/03/15 -31/03/15  Sri. K. M. Abraham IAS 01/04/2014 – 14/11/2014
3	Principal Secretary (LSGD) (Ex-officio)	Sri. James Varghese IAS 01/04/2014 – 31/03/2015
4	Executive Director (KRWSA) (Ex-officio)	Sri. Bhaskaran IAS 01/04/2014 – 31/03/2015
5	Managing Director, Kerala Water Authority	Sri. Asok Kumar Singh IAS 01/04/2014 – 21/01/2015 Sri. AjithPatil IAS 20/02/2015 – 31/03/2016
6	Technical Member, Kerala Water Authority	Sri. T. C. Subran 01/04/2014 – 31/03/2015
7	Accounts Member, Kerala Water Authority (i/c)	V.S. Pradeep (FM & CAO) 01/04/2014 – 31/03/2015 (Special invitee)
8	Member	Sri. JohnyAreekattel
9	Member	Sri. E. K. Chellappan
10	Member	Sri. John Thomas
11	Member	Sri. K.V. Mani/ Sri. Chacko Varghese

## CHAPTER -III

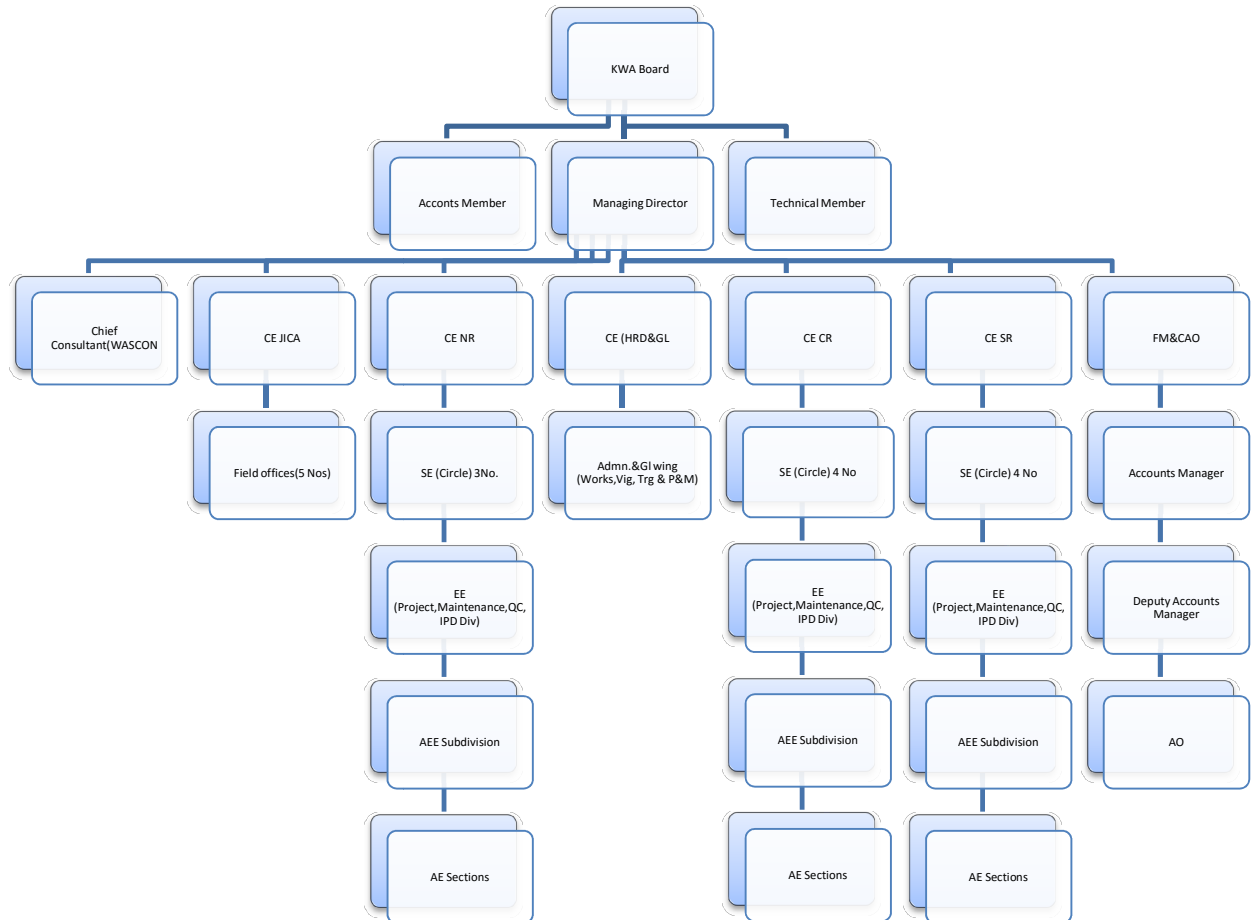
### ORGANIZATIONAL STRUCTURE

- 3.1. Kerala Water Authority has its Head Office at JalaBhavan, Thiruvananthapuram. The Managing Director heads the office. There are three Regional Offices headed by Chief Engineers at Thiruvananthapuram, Kochi, Kozhikode and a Chief Engineer office for JBIC in Trivandrum. WASCON, the consultancy wing of Kerala Water Authority is headed by a Chief Consultant in the rank of a Chief Engineer.

Website : <http://www.keralawater.org>  
Tel : 91-0471-2328654,  
Fax : 91- 91-0471-2324903

- 3.2. There are 14 Circle Offices, 48 Divisions, 115 Sub-Divisions and 239 Sections under the regional offices .The Circle offices are headed by Superintending Engineers, Divisions by Executive Engineers, Sub Divisions by Assistant Executive Engineers and Section offices by Assistant Engineers. There are separate offices for execution of projects, operation and maintenance and quality control functions. The JICA assisted KWSP has offices at the place of each of the five schemes. In addition there is a State Referral Lab at Kochi headed by a Director (Superintending Engineer).

### 3.3 Organisational Structure



3.4. The activities of Kerala Water Authority are centered on the Divisions. The various Divisions and their functions are:

**a. Water Supply / P.H.Division.**

Dealing the Operation & maintenance of water supply schemes which are run by Kerala Water Authority. Deposit works of Local Bodies are also carried out by these Divisions. Collection of water charges is also done by these Divisions.

**b. Project Divisions.**

These divisions are constituted exclusively for the execution of various projects of drinking water and sewerage schemes.

**c. Investigation, Planning and Design Division**

Investigation, Planning and design of various urban and rural water supply schemes and sewerage schemes.

**d. State Referral Lab / Quality Control Divisions.**

Engaged in Water quality surveillance / monitoring and act as a Referral agency to guide the public as well as the Government in all cases of all drinking water quality problems.

**e. WASCON**

It is a consultancy wing of KWA and is authorised to undertake consultancy and construction works in Civil Engineering, provide services to LSGs while taking up infrastructure projects in water/ sanitation sector.

**f. JICA**

Implementation of five major water supply schemes assisted by Japan International Co-operation Agency. To augment and rehabilitate water supply systems of two urban regions viz. Thiruvananthapuram and Kozhikode and to construct water supply systems for three rural regions viz. Meenad, Cherthala and Pattuvam.

**g. Stock verification**

There are two stock verification subdivisions functioning under Accounts Member. Two stock verification teams are also functioning. One is in charge of the physical verification of materials stored in different stores upto Ernakulam and the second one is in charge of offices beyond Ernakulam.



**h. Vigilance wing**

There is a vigilance wing headed by a Deputy Chief Engineer, and consisting of one Executive Engineer and two Asst. Executive Engineers functioning under the Technical Member. They are entrusted with the task of detailed enquiry of allegations against officers and on the execution of different works and other enquiries entrusted to it in respect of any matter effecting the Authority. The report submitted will be scrutinized by a committee headed by the Technical Member and based on their recommendation further action would be taken in every case.

**i. Internal Audit wing**

Kerala Water Authority is having an Internal Audit Wing with a section at headquarters and two teams headed by Internal Auditors. These audit teams are deployed for the yearly audit of the accounts and other records of the Division offices. They are also responsible for the follow up action with regard to the audit findings of the Accountant General, stock verification reports, Internal Audit reports, special audit reports, etc. They report directly to the Accounts Member.

## **Chapter IV**

### **Establishment**

**4.1** The details related to Establishment Wing for the year 2014 - 2015 is detailed below.

Head Office	1
Office of the Chief Engineer	5
Circle Offices	14
Division Offices	48
Sub Division Offices	115
Section Offices	239
<b>TOTAL</b>	<b>422</b>

#### **I. List of Circle Offices**

- 1 P.H.Circle, Thiruvananthapuram.
- 2 P.H.Circle, Kollam.
- 3 P.H.Circle, Kottayam.
- 4 JNNURM Circle, Thiruvananthapuram.
- 5 P.H.Circle, Thrissur.
- 6 P.H.Circle, Alappuzha.
- 7 P.H.Circle, Kochi - 11.
- 8 JNNURM Project Circle, Kochi - 11.
- 9 P.H.Circle, Muvattupuzha.
- 10 State Referral Institute, Nettoor.
- 11 P.H.Circle, Kannur.
- 12 P.H.Circle, Kozhikode.
- 13 P.H.Circle, Palakkad
- 14 PH Circle Malappuram

#### **II. List of Division Offices**

1. PH Division, Thiruvananthapuram
2. WS Division, Neyyattinkara
3. WS Division, Attingal
4. Head Works Division, Aruvikkara
5. Sewerage Division, Pttoor, Thiruvananthapuram
6. Project Division, Thiruvananthapuram
7. PH Division, Kollam
8. PH Division, Kottatakkara
9. PH Division, Pathanamthitta

10. Project Division, Kollam
11. Project Division, Adoor
12. PH Division, Kottayam
13. PH Division, Thiruvalla
14. PH Division, Kaduthuruthi
15. Project Division, Kottayam
16. Project Division, Alappuzha
17. Quality Control Division, Thiruvananthapuram
18. PH Division, Moovattupuzha
19. PH Division, Thodupuzha
20. Project Division, Kattappana
21. Project Division, Piravom
22. Project Division, Perumbavoor
23. PH Division, Aluva
24. WS Division, Kochi-18
25. PH Division, Kochi-16
26. PH Division, Alappuzha
27. PH Division, Thrissur
28. PH Division, Irinjalakkuda
29. Project Division, Nattika
30. JNNURM WS Project Division, Kochi-II
31. Quality Control Division, Nettoor, Ernakulam
32. JNNURM Sewerage Project Division, Kochi-II
33. PH Division, Kasaragod
34. PH Division, Kannur
35. Project Division, Mattannur
36. Project Division, Kannur
37. PH Division, Vadakara
38. PH Division, Sulthan Bathery
39. PH Division, Kozhikkodu
40. PH Division, Malappuram
41. PH Division, Edappal
42. Project Division, Kozhikkodu
43. Project Division, Malappuram
44. KSUDP Division, Kozhikkodu
45. PH Division, Shornur
46. PH Division, Palakkad
47. Project Division, Palakkad
48. Quality Control Division, Kozhikkodu

**III. Number of promotions ordered in various cadre for the period from 01.04.2014 to 31.03.2015.**

Sl.No	Designation	Nos
1	Executive Engineer to Superintending Engineer	08
2	Head Clerk to Junior Superintendent	45
3	Superintending Engineer to Chief Engineer	12
4	Upper Division Clerk to Head Clerk	61
5	Lower Division Clerk to Upper Division Clerk	58
6	Accounts Officer to Internal Auditor	01
7	Senior Superintendent/ Revenue Officer to Accounts Officer/ Administrative Officer	04
8	Divisional Accounts Officer to Senior Superintendent/Revenue Officer	01
9	Junior Superintendent to Divisional Accounts Officer	18
10	Plumbing Inspector to Senior Plumbing Inspector	02
11	Plumber to Plumbing Inspector	05
12	Meter Reader to Meter Inspector	05
13	Selection Grade Typist to Fair Copy Superintendent	01
14	Assistant Executive Engineer to Executive Engineer	10
15	Assistant Engineer to Assistant Executive Engineer	14
16	Surveyor Grade-I to Head Surveyor	05
17	Surveyor Grade-II to Surveyor Grade I	12
18	Draftman Grade-I to Assistant Engineer	46
19	Overseer Grade-III to Draftman Grade-II	64

**IV. Appointment by Kerala Public Service Commission in various cadre during the period from 01-4-2014 to 31-3-2015**

Sl.No.	Designation	Nos.
1	Office Attendant	32
2	Watchman	50
3	Meter Reader	32
4	Driver Grade-II/Driver (LDV)	23
5	Plumber	07
6	Fitter	05
7	Overseer Grade-III	106
8	Lascar	04
9	Unskilled Worker	70

10	Worker	58
11	Operator	43

**V. Staff strength of Kerala Water Authority during the period 2014-15**

1	Total employee strength of Kerala Water Authority in various cadres 01.04.2014 to 31.03.2015	6883
2	No. of employees working in contract basis	01
3	No.of employees working on deputation	10
4	Posts created/ Abolished during the year 2014-15	Nil
5	Disciplinary proceedings against employees	104

## Computerisation and IT-Initiatives

During the year 2014 -2015 Kerala Water Authority intended to drift more close in achieving its Mission and Vision by bringing more Transparency in Govt -Govt Services, Govt -Citizen Services, Govt - Business and Govt -Employees Services. For accomplishing its Mission KWA hard worked in tandem with Kerala State IT Mission leveraging the Infrastructure and resources intended for Digital India Movement which forced us to be more Consumer Citizen Oriented. The Result, Value and Enablers indicators raised as outcome of above effort.

The in- house developed **e-Abacus** Suite -the Enterprise Work Flow based Billing and Accounting and Collection Utility System for KWA was bespoke to a state of the art level to handle full life cycle of Consumer Management, Billing Management, Collection Management, Meter Management, Service Management.

KWA brought 2,00,000 more connections to Centralized Spot Billing System - e-Abacus . Achieving 75% of Consumer Population (ie more than 12,00,000 out of 16,00,000 Water Connections ).

Total of 2 more Divisions, 8 more sub divisions and 16 more sections were brought under 'Centralized Billing System'.

Initiatives like **Regional Electronic Clearance System (RECS)** through Reserve Bank of India which facilitates the consumer, the debit option of their Bank Account for the payment to KWA bills is implemented.

**Support Activity** for e-Abacus is streamlined to cope up with handling of new generation citizen service Delivery. Different levels of training imparted to more than 250 Revenue staffs and officials during 2014-2015.

**BPL Consumer Billing** Module was deployed for implementing State Policy to Subsidize water charge of BPL Consumers.

**Process Reengineering Done** in Areas Like Billing, Payment Methods, New Connection Process Simplification etc. Procedures are reengineered based on roles to adapt with Work flow modal role based system.

KWA is on track with revolutionary step to implement **Enterprise Resource Planning (ERP)** through which organization plans to envisage Full Cycle Resource package for Finance, HR, GIS based asset mapping procurement, O & M management, etc through which KWA hope to become future ready Digital Organisation.

## CHAPTER -VI

### IMPLEMENTATION OF RIGHT TO INFORMATION ACT-2005

Right to Information act is the Act which gives the right to all people to know the public information, passed by the great Indian Parliament on 2005. This act is one of the mile stones in the history of India. This rule was implemented all over India on the same year.

The Kerala Water Authority initiative to implement the rule on the same year also. In this regard the Kerala Water Authority published sufficient orders and circulars for perfect and smooth functioning of Right to Information Act. As per this orders seven Nos of officers have been deputed as Public Information Officers in JalaBhavan, the head quarters of Kerala Water Authority. The Deputy Chief Engineers in all Regional Offices, PA to Superintending Engineer in Circle Offices, Technical Assistant to Executive Engineer in Division offices and Assistant Executive Engineer in Sub Division offices respectively are also deputed as Public Information Officers. In absence of Public Information Officers, the Assistant Public Information Officers will be the responsible person. The Administrative Officer of Regional Offices, The Administrative Officer of Circle Offices, the Divisional Accountant of Divisional Offices and all Assistant Engineers under the purview of Sub Divisional Offices are deputed as Assistant Public Information Officers.

The complaints raised by the applicants against, the information given, those not satisfactory or not within stipulated period will be heard and redressed. Hence the Appellate Authority are needed and nominated the Chief Engineer (HRD & GL) in JalaBhavan, Chief Engineers in all Regions and Chief Engineer, JICA Project as Appellate Officers.

Other details in connection with the Implementation of Right to Information Act during the year 2014-15 shown as below.

**SUO MOTO DISCLOSURE UNDER SECTION 4(1)(b)  
DURING THE YEAR: 2014-15**

**Form1**

Sl.No.	Department	No. of Public Authorities	No. of Public Authorities which published the 17 Manuals under Section 4 (1)(b)	No.of Public Authorities which updated the 17 Manuals during the year	No.of Public Authorities which displayed the 17 Manuals Online
(1)	(2)	(3)	(4)	(5)	(6)
	Kerala Water Authority	1	1	Nil	Nil

**DESIGNATION OF PUBLIC INFORMATION OFFICERS/APPELLATE AUTHORITIES  
REPORTING YEAR: 2014-15**

**Form2**

Sl.No.	Department	No. of Public Authorities	No. of Public Information Officers Designated	No. of Assistant Public Information Officers Designated	No. of Appellate Authorities Designated
(1)	(2)	(3)	(4)	(5)	(6)
	Kerala Water Authority	1	141	224	6



**DISPOSAL OF INFORMATION REQUESTS BY PUBLIC INFORMATION OFFICERS  
REPORTING YEAR 2014-15**

**FORM-3**

Name of the Department	No. of Requests pending at the end of Last Year	No. of Requests Received during the Year	Total No. of Requests	No. of Requests Disposed	No. of Requests Rejected	No. of Requests deemed to be Refused under Section 7 (2) Received during the Year	% of Cases Access to information Denied
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kerala Water Authority	Nil	3618	3618	3601	11	Nil	0.30%

**INFORMATION REQUESTS REJECTED BY PUBLIC INFORMATION OFFICERS  
REPORTING YEAR: 2014-15**

**FORM-4**

Name of the Department	No. of Requests Rejected	No. of Requests Rejected under Section 8	No. of Requests Rejected under Section 9	No. of Requests Rejected under Section 11	No. of Requests Rejected under Section 24	No. of Requests Rejected under Sections (Application Fee not remitted)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Kerala Water Authority	142	2	Nil	Nil	Nil	140

**DISPOSAL OF FIRST APPEALS BY DESIGNATED APPELLATE AUTHORITIES  
REPORTING YEAR: 2014-15**

**FORM-5**

Name of the Department	No. of First Appeals pending with Appellate Authorities on 01.04.2014	No. of First Appeals preferred during the year	No. of First Appeals with Appellate Authorities (2+3)	No. of First Appeals Disposed	No. of First Appeals Rejected	% of First Appeals Rejected	No. of First Appeals pending for more than 45 days
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kerala Water Authority	Nil	83	83	51	1	1.22%	Nil

## PENALTIES IMPOSED &amp; COLLECTED

REPORTING YEAR: 2014-15

FORM-6

Name of the Department	Penalties imposed in previous year pending for collection	Details of Penalties imposed by information Commission under Section 20(1)	Total	Details of Penalties Collected
(1)	(2)	(3)	(4)	(5)
Kerala Water Authority	Nil	Nil	Nil	Nil

DISCIPLINARY ACTION TAKEN AGAINST OFFICERS IN RESPECT OF  
ADMINISTRATION OF RTI ACT  
REPORTING YEAR: 2014-15

FORM-7

Name of the Department	Details of Disciplinary Action Recommended by information Commission under Section 20(2)	Details of Disciplinary Action Taken based on Recommendation of Information Commission	Other Disciplinary Actions Taken (other than those Recommended by Information Commission)
Kerala Water Authority	Nil	Nil	Nil

SUMMARY COSTS, FEES & CHARGES COLLECTED BY PUBLIC AUTHORITIES  
REPORTING YEAR: 2014-15

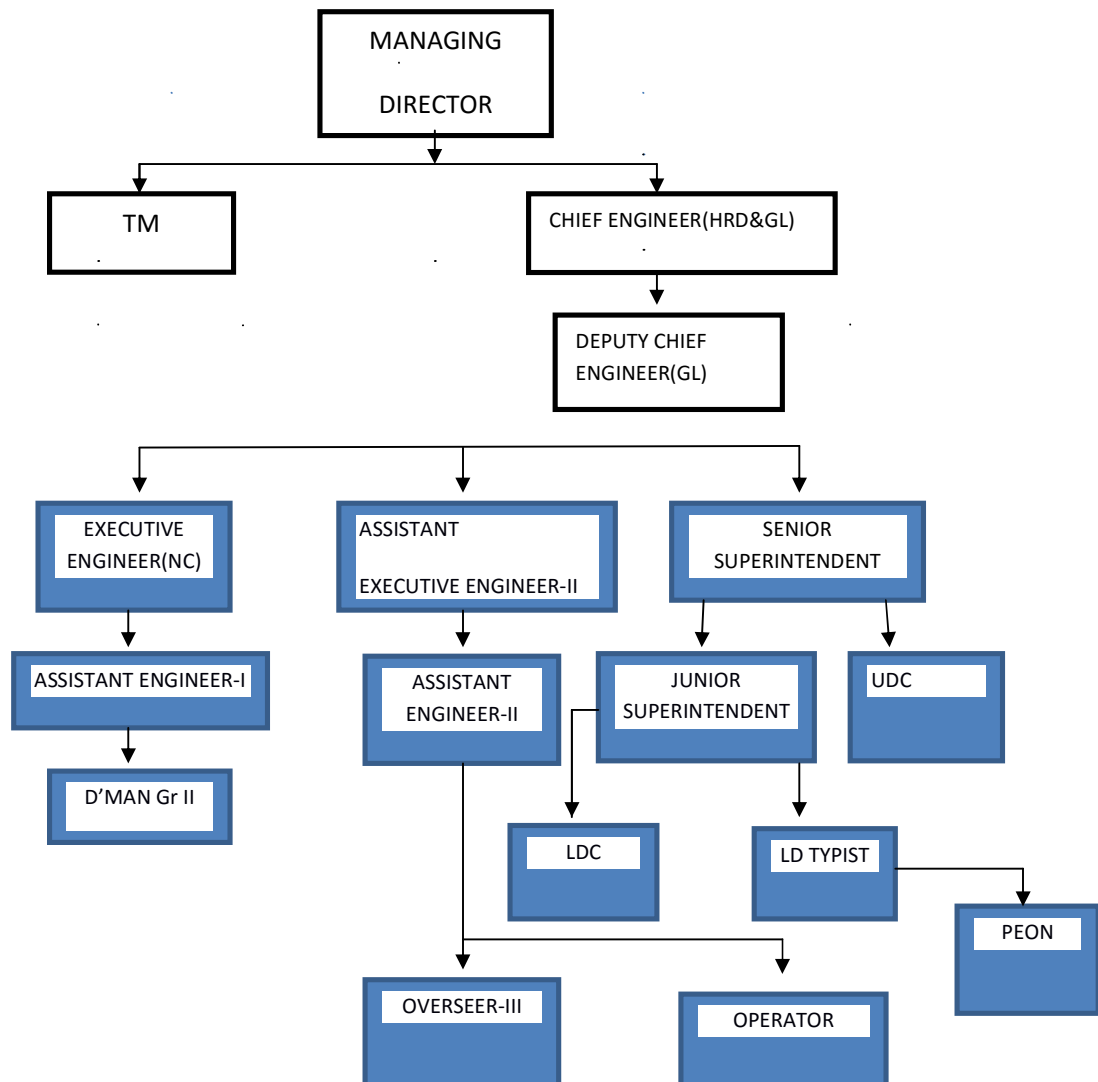
FORM-8

Name of the Department	Cost Collected Section 4 (4)	Fee Collected Section 6(1)	Fee Collected Section 7(1)	Fee Collected Section 7(5)	Other charges collected (Specify)	Total Collection
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Kerala Water Authority	2344	10623	9562	178	782	23489

## Chapter VII TRAINING ACTIVITIES

The functioning of Training Centre of Kerala Water Authority commenced on September 1991. Then the Centre was administrated by a Deputy Chief Engineer, an Executive Engineer, two Assistant Executive Engineers, three Assistant Engineers, one Senior Superintendent, one junior Superintendent, one D,Man Gr.II, a U.D. Typist, an LD Typist, an L.D.Clerk, and one peon. As per direction of Government of India and Government of Kerala, a Human Resource Development Cell was formed during January 1997, with Chief Engineer(HRD) as its head

### (1) ORGANISATION CHART OF TRAINING CENTRE (2014-2015)



## 2.Staff Details as on 31.3.2015

Sl.No.	Name	Designation
1	Smt. Geetha K Das	Executive Engineer(NC)
2	Sri.S.Sobha	Assistant Executive Engineer- I
3	Smt. Shyja Rani	Assistant Engineer I
4	Smt.Anju K	Assistant Engineer II
5	Sri. G.Sunil Kumar	Junior Superintendent
6	Sri. Deepak. B	UD Clerk
7	Sri.S. Ajith	LD Clerk
8	Smt. Smitha.R	LD Typist
9	Smt. S. Shyni	Draftsman II
10	Smt.S. Sindhu	Overseer Gr.III
11	Sri. Sreejith. P.V	operator
12	Sri. Pradeep.S	Office Attendant

### **II. 1. Training Calendar 2014-15**

The details of trainings conductd as per the tranining calendar are presented in the table below.

**Table 1: Details of inhouse trainings conducted as per calendar 2014 -15**

Sl No.	Title of Course	No. of Batches Proposed	No of Batches conducted	No. of Participants Proposed	No of Participants attended	Remarks
1.	Supervision of construction & construction quality management	2				
2.	Pump operation and Maintenance	2	1	40	38	
3.	Water Treatment Plant Operation	2	1	45	43	
4.	Awarenes to Water Quality Monitoring, control and use of water quality testing kits.	2	2	73	65	
5.	Handling of Chlorine and use of breathing apparatus	4	6	151	138	
6.	Induction level training to Assistant Engineer	1				
7.	Total Quality Management sponsored by CPHEEO	2				
8.	Training on Total Station (new recruits)	1				
9.	Preparation of Project reports	1				

10.	Pipe laying and testing	1				
11.	Induction level training to Overseers/D'mans	6	4	156	153	
12.	Induction level training to Operators	8	11	417	407	
13.	Induction level training to Meter readers	1				
14.	Estimation for Electrical and Mechanical items	1				
15.	Design & selection of pumps and motors	1	1	35	33	
16.	Repair and Maintenance of Pumps & Motors	1				
17.	Refresh course to Chemists	1				
18.	Training on SCADA	1				
19.	Rainwater harvesting	3				
20.	Water quality management	2				
21.	Training on AUTOCAD (Level 1)	2	2	58	49	
22.	Computer Awareness & Software Application	3				
23.	Advanced Computer Training courses (MS Excel)	1				
24.	Refresher course on "Computer, Training(MS WORD, MS EXCEL, MS POWER POINT)	3	1	32	32	
25.	Computer Network design (EPANET)	2				
26.	Training on e-ABACUS	5				
27.	Training on tally	1				
28.	Training of legal aspects and disciplinary proceedings	1				
29.	Yoga & Meditation (Part Time 2 ½ hours)	1	2	34	33	
30.	Induction level training to LDCs	1				
31.	Refresher course on Last Grade Employees	1				

32.	Orientation programme for Meter Readers	3	1	39	36	
33.	Vigilance awareness	1				
34.	Water supply Act and regulation	1	3	94	90	
35.	e-tender and tender process	2				
36.	Retirement Planning	1				
37.	Pension Calculation (Region wise)	3				
38.	TA & Preparation of TA bills(Region wise)	2				
39	Right to information act	1	1	37	26	
40.	KVAT (Region Wise)	1				
41	Refresher course on Drivers	1				
42	Service delivery and customer relations	1	1	35	28	
43	Communication skill for managers	1				
44	Team building and conflict management	1				
45	Decision making and effective leadership	2				
46	Supervisory effectiveness	1				
47	Stress management	1				
48	Motivation	2				
49	Bill Audit	2				
50	Works & fixed asset accounting system, preparation of work abstract and monthly accounting system	1				
	<b>Total</b>	<b>92</b>	<b>37</b>	<b>1246</b>	<b>1171</b>	

**Table 2 : Trainings Calendar 2014- 15.(out side)**

Sl No.	Name of Training	No of Batches conducted	Venue	No of Participants
1	Training on Laboratory information management system (LIMS)	2	CWEd	45
2	Training on Video Conference	1	CWEd	44

3	Pension software	1	CWEd	9
4.	Water GEMS	1	CWEd	25
5.	O&M portal – March Software	1	CWEd	46
6.	Mother NIT & NIT for RC works	1	CWEd	28
7.	O&M- HR software	1	CWEd	26
8.	Induction level training to Fitter	2	CWEd	56
	<b>Total</b>	<b>10</b>		<b>279</b>

Besides the calendar training, we have organised 9 more programs in-house, based on requiremenets, covering 279 officers additionally as given in Table 2 above. Thus the total number of inhouse training programmes comes to 47, out of a possible 92 batches, making the achievement 51.10% . A total of 1450 officers out of the 3060 targetted (47.40%) were coverd i n the above trainings. In addition to this, during the last year, we have generated an amount of Rs.13,23,890/- from external agencies both private and Government, as rent for halls and hostel room as on 24.03.2015. This month, another two departments have also confirmed their program in our centre.

## **II. 2. Traning Workshops/Seminars**

The following works were also conducted during the financial year, 2014-15

**Table 3 : Details of Workshops/Seminars**

<b>Sl No.</b>	<b>Name of Workshop</b>	<b>No. of batches</b>	<b>Venue</b>	<b>No of Participants</b>
1.	Adoption of CPWD Data and SOR 2013	3	CWEd	74
	Total			74

## **II. 3. CPHEEO Refresher course**

We had nominated 70 officers for the CPHEEO sponsored programmes. But only 50 got selected, as the CPHEEO has cancelled most of the referresher courses this year.

**Table 4: Details of CPHEEO Refresher course.**

<b>Sl No.</b>	<b>Name of Course</b>	<b>Conducted by</b>	<b>No of officers sponsored</b>
1.	Cathodic protection	Civic Training Institute & Research Centre, Mumbai	4
2.	Water Supply System	T.W.A.D Board, Chennai	3
3.	Positive preventive Maintnace of water supply & sewerage system	AIILSG, Bhopal	2

4.	Water supply from Ground water sources - Quantity/Quality & Ground water Recahrge	AIILSG, Bhopal	5
5.	Corrosion Control	CMWSSBoard, Chennai.	5
6.	Sewerage works Supervisors course	CMWSSBoard, Chennai.	2
7	Preventive maintenance and Leak detection in water distribution system	T.W.A.D Board, Chennai	5
8	Scientific source finding	GJTI, Gandhinagar	1
9	Structural design of water treatment plants and other related structures	VNIT, Nagpur	3
10	Pipes and Conduits	CTI & RC, Mumbai	4
11	Care & use of Chlorinators	CTI & RC, Mumbai	1
12	Public Health Engineering Structures	T.W.A.D Board, Chennai	4
13	Preventive maintenance and Leak detection	CTI & RC, Mumbai	6
14	Pump & Pumping machinery for public health engineering jobs	Institution of Public Health Engineers, Kolkata	5
	<b>Total</b>		<b>50</b>

## II. 4. Training conducted by other agencies

### II. 4.1. Training conducted by the external agencies outside the state

25 Engineers were sent for attending the following trainings conducted by external agencies outside the state as detailed in Table 5 below

**Table 5: Outside state trainings**

<b>Sl No.</b>	<b>Name of Course</b>	<b>Conducted by</b>	<b>No of engineers sponsored</b>
1	Flow Measurement	Knowledge n Techniques	2
2.	Water security and Sustaniability and Geo-Spacial Technology with appication on GIS	TWAD Chennai	4
3.	Training on Switchgear Application for Non-Electrical engineers	Switch gear training Centre, Ooty	4



4	City Sanitation plan(CSP) preparation	CIZ Programme by MOUD	1
5	Water conservation, Rain water harvesting and ground water management	M/s. EA water Pvt. Ltd	2
6	World Class Project Management	ICW Group,Mumbai	2
7	Hands on Training on pumps including Overhauling of pumps	WILO Mather & Platt pumps, Pvt. Ltd	10
	<b>Total</b>		<b>25</b>

#### **II. 4.2 Training conducted by the external agencies inside the state**

We have also sent 86 officers for attending programs conducted by other agencies within the state

**Table 6 : Inside state trainings**

<b>Sl No.</b>	<b>Name of Course</b>	<b>Conducted by</b>	<b>No of engineers sponsored</b>
1	Six Sigma	Hotel Residency, TVPM	2
2	Grievance Redressal in Government	Institute of Management in Government	1
3	Timeless leadership	Govt Eng.College Barttonhill	3
4	Dynamic Analysis of Elevated Water Tanks	Govt: Eng. College,Barttonhill	9
5	Water security and safety policy	CWRDM & UNICEF	11
6	Translational Engineering	Govt: Eng. College,Barttonhill	4
7	First Aid Course	Indian Red Cross Society	12
8	Management of organizational change	CWRDM	4
9	Skill development Bridging the Gap	Trivandrum Management Association	2
10	Management skill for officers in Government Department	CWRDM	2
11	Translational Engineering	Govt: Eng. College,Barttonhill	4
12	Translational Engineering	IIM-K, Kozhikode	2
13	Total station	Jyothi Engineering College, Cheruthuruthy	2
14	Translational Engineering	Presidency Hotel, Kochi	2

15	Chlorine Handlers	Office of the Joint Director of Factories & Boilers	24
16	E-taal an online MIS portal	Kerala State IT Mission	2
	Total		86

## **II. 5. M.Tech course**

**Table 7: M.Tech Programme**

Sl No.	Name of course	No. of seats proposed	No. of participants attended
1	M.Tech Govt. Colleges ( College of Engineering, Trivandrum & Govt. Engineering College Thrissur)	5	5
2	CPHEEO sponsored	3	0

## **II. 6. Overall Physical Performances**

**Table 8: Comparison of performance**

Description	2013-14		2014-15	
	Trainings	Employees covered	Trainings	Employees covered
In house trainings	68	2074	47	1450
In house workshops	9	620	-	-
Workshop	1	23	1	74
CPHEEO Refresher courses	9	30	14	50
External Trainings-Outside state	7	31	7	25
External Trainings-Inside state	20	66	16	86
Training under JICA Funding	1	22	1	15
M.Tech Programm	5	5	1	5
M.Tech Programme (CPHEEO sponsored)	3	3	-	-
<b>Total</b>	<b>123</b>	<b>2874</b>	<b>87</b>	<b>1705</b>

CHAPTER VIII  
**FINANCIAL PERFORMANCE**

8.1 The main source of finance for Kerala Water Authority are revenue from water charges, grants and loans received from Government of Kerala, Government of India and Loans taken from Financial Institutions like HUDCO & Banks. The Government of Kerala provides funds in the budget in the form of loans and grants to undertake drinking water projects and various other works.

8.2 The Cash Flow Statement of Kerala Water Authority for the year 2014-15 is given below



8.3 Consolidated statement showing the Demand, Collection and Balance of water charges from the domestic, non-domestic and industrial consumers for the year 2014-15.

Category	Arrears as on 31.3.2014	Cumulative demand for 2014-15	Collection for 2014-15	Balance outstanding as on 31.3.2015	Percentage of collection in terms of demand for 2014-15
Domestic	11242.68	16120.96	13808.98	13554.66	85.66%
Non-Domestic	30999.66	19810.16	12912.59	37897.23	65.18%
Industrial	3835.15	1332.89	1015.76	4152.28	76.21%
<b>Total</b>	<b>46077.49</b>	<b>37264.01</b>	<b>27737.33</b>	<b>55604.17</b>	<b>74.43%</b>

**Details of collection from LSGD for 2014-15 (Rs. In Lakhs)**

Panchayath	Rs.6737.00
Municipality	Rs.1577.47
Corporation	Rs.1200.06
<b>Total collection for 2014-15</b>	<b>Rs.9514.53</b>

1. (a) Arrear of revenue at the beginning of the year - Rs.59604
- (b) Arrears of revenue at the end of the year - Rs.66216
2. Details of waive off revenue - Rs.7324

3. Total number of connections

D	ND	I
1331571	101432	1189

4. Total number of Sewerage connections - 2168 nos.

5. 7240 petitions received in the adalath out of which 5781 disposed and settled. And this Rs.2.541 lakhs received in the adalath by waiving off Rs.9165/-

6. Important campaign conducted- Revenue Adalath, Advertisement through dailies and local channels, Mike announcement, press release, bit notices etc.

7. Task force meeting at Division and circle level conducted once in every month, formation of anti-theft squad etc.

8. a. To engage 100% billing, Meter reading by one meter reader per month in Urban area is increased by – 1200nos.

b. Meter reading by one number meter reader per month in Rural area is increased by – 800nos.

2. In most of the Divisions meter reading are engaged by kudumbasree members due to

insufficient staff.

10. Disconnection and RR procedure initiated to recover the dues from defaulters.
11. Anti-water theft squads are formed Division level to detect the malpractices and misappropriations in water connections and water theft.
12. Legal procedure initiated against the tampering, illegal connection and illegal activities traced out.

8.4. To increase the demand/collection and reduce the distribution loss KWA has taken the following steps;

1. To ensure 100% billing, the number of reading to be taken by a meter reader in Urban/Rural areas have been specified.
2. KWA has entered into an agreement with 'Kudumbasree' to engage Kudumbasree members for meter reading/ billing in places where sufficient employees of KWA are not available.
3. In order to increase the revenue collection and for clearing the arrears, steps are taken to disconnect the water connection of all major defaulters and revenue recovery proceedings are initiated.
4. For detecting water theft, 'Anti Water theft squads' are engaged in Kochi and Thiruvananthapuram cities.
5. Special squads are formed in Divisions to detect water theft.
6. When water theft is detected, water connection is disconnected and legal proceedings initiated against the consumer involved.
7. 'Leak detection and surveillance unit' is functioning in Thiruvananthapuram city for detection of water leakage.
8. Action is taken to control leakage in distribution lines by engaging KWA approved plumbers and through annual Maintenance Contract.
9. 'Blue Brigade' is also engaged for rectification of leakage in distribution lines immediately.
10. Steps have been taken to buy modern leak detection equipments to all Divisions using the funds provided under JBIC Project

CHAPTER IX  
**SCHEMES IN OPERATIONS**

District Wise and category wise Number of water supply schemes in operation as on  
31.03.2015

Sl. No.	Name of District	No. of Urban WSS	Rural Water Supply Schemes		Total
			Multi Panchayath	Single Panchayath	
1.	Thiruvananthapuram	6	12	94	112
2.	Kollam	3	6	66	75
3.	Pathanamthitta	2	8	63	73
4.	Alappuzha	4	1	61	66
5.	Kottayam	5	21	85	111
6.	Idukki	1	12	89	102
7.	Ernakulam	8	17	82	107
8.	Thrissur	4	8	104	116
9.	Palakkad	4	8	84	96
10.	Malappuram	6	10	42	58
11.	Kozhikode	2	13	92	107
12.	Wayanad	0	5	25	30
13.	Kannur	3	6	110	119
14.	Kasaragode	1	5	77	83
	<b>Total</b>	49	132	1074	1255

## LIST OF SCHEMES COMPLETED DURING 2014-15

Sl. No	Name of Scheme	AS No. and Date	Amount	Category	District
1.	UWSS to Perinthalmanna Municipality	GO(Rt)No.2875/2009/LSGD dt. 04.11.09	811	UIDSSMT	Malappuram
2.	ARWSS to Uppala & adjoining villages Construction of RCC Weir across Uppala river	GO(Rt)No.912/2012/ WRD dt. 25.07.12 KWA/HO/WN/27/2012-13 Dt. 01.09.2012	595	ARP	Kasargode
3.	WSS to Payagodanpara in Puzhayathi panchayath	GO(Rt)No.912/2012/ WRD dt. 25.07.12 KWA/HO/WN/27/2012-13 Dt. 01.09.2012	226	ARWSP	Kannur
4.	CARWSS to Edacode and adjoining villages SLSSCIV 21.08.1998	WS/55/2003 Dt. 27.03.2003	771.39	ARP	Thiruvananthapuram
5.	Augumentation of Rural Water Supply to Kaviyoor and Kunnanthanam villages	WS/104/2012-13 dt. 27.03.2013	944.54	ARP	Pathanamthitta
6.	RWSS to Kulanada Panchayath-Laying balance distribution lines	GO(Rt)No.1084/2011/ WRD dt. 25.10.11 WS/26/2011-12 dt.14.12.11	283	ARP	Pathanamthitta
7.	Greenvally WSS in Bharananganam panchayaths	GO(Rt)No.912/2012/ WRD dt. 25.07.12 Ws/38/2012-13 dt.14.09.2012	47	ARP	Kottayam
8.	WSS to Narippatta village-Lying distribution systems	GO(Rt)No.1084/2011/ WRD dt. 25.10.11 KWA/HO/WN/14/2011-12 dt.09.12.11	300	ARP	Kozhikode
9.	WSS to Vanimel village-laying distribution systems	GO(Rt)No.289/2012/ WRD dt. 05.03.12 KWA/HO/WN/90/2011-12 dt.31.03.12	533	ARP	Kozhikode



10.	WSS to Paleri-Laying distribution systems balance work	GO(Rt)No.289/2012/ WRD dt. 05.03.12 KWA/HO/WN/11/2012-13 dt. 22.05.12	100	ARP	Kozhikode
11	WSS to kayakodi village laying distribution systems	G.O(Rt) No.912/2012/WRD Dt. 25/07/2012 KWA/HO/WN/23/2012-13	1563.15	ARP	Kozhikode
12	WSS to kayakodi village laying balance distribution system for additional coverage	G.O(Rt) No.722/2013/WRD Dt.22/06/2013 KWA/HO/WN/34/2013-14	105.5	ARP	Kozhikode
13	WSS to Palakkal Pevumkoodummal Panchayaths	G.O(Rt) No.912/2012/WRD Dt.25/07/2012 KWA/HO/WN/25/2012-13	80	ARP	Kozhikode
14	RWH pond at Anathazhchira in Andoorkonam Panchayaths	WS/R/2009-10 Dt.04/06/2009	201.3	ARP	Trivandrum
15	WSS to Navaikulam and Kudavoor villages balance works	G.O(Rt) No.1084/11/WRD Dt.25/10/2011	470	ARP	Trivandrum
16	WSS to Kulakkada and Pavithreswaram	G.O(Rt) No.1084/11/WRD Dt.25/10/2011	1336	ARP	Kollam
17	WSS to Pathanapuram and Piravanthoor panchayaths laying distribution system	G.O(Rt) No.1084/11/WRD Dt.25/10/2011	1250	ARP	Kollam
18	RWSS to Kuttoor Panchayath	G.O(Rt) No.1084/11/WRD Dt.25/10/2011	88	ARP	Pathanamthitta
19	RWSS to Vallicode,Kodumon and Angadical villages-Phase-II laying distribution system	G.O(Rt) No.912/2012/ERD Dt.25/07/2012	380.3	ARP	Pathanamthitta
20	RWSS to Kavoor and Kunnathanam villages-Balance work	G.O(Rt) No.912/2012/WRD Dt.25/07/2012	477	ARP	Pathanamthitta
21	RWSS to quality affected habitations in Cherpu village-Balance works	G.O(Rt) No.912/2012/WRD Dt.25/07/2012	350	ARP	Kottayam

22	Improvements of RWSS to Valakom	G.O(Rt) No.289/2012/WRD Dt.05/03/2012	350	ARP	Kottayam
23	WSS to Pottasseri I & II villages in Palakkad district - extension of distribution to uncovered areas	GO(Rt)No.722/2013/ WRD dt. 22.06.2013	290	ARP	Palakkad
24	WSS to Karakurissi & Thachampara villages Extension of distribution lines to uncovered areas	GO(Rt)No.722/2013/ WRD dt. 22.06.2013	500	ARP	Palakkad
25.	Kadangode Phase I		456	ARP	Thrissur
26.	Kadangode Phase II		264	ARP	Thrissur
27.	WSS to Valayam village- laying distribution systems	GO(Rt)No.1084/2011/ WRD dt. 25.10.11	300	ARP	Kozhikode`
28.	WSS to Irikkur and adjoining villages	19.04.90 & 2002	1001.82	ARP	Kannur
29.	WSS to Cheruthazham CT in Kannur taluk SLSSC 09.07.2007		170	ARP	Kannur
30.	ARWSS to Kallara and Pangode villages in Thiruvananthapuram		350	ARP	Thiruvananthapuram
31.	Additional coverage to Angadipuram & Valambur villages - laying distribution system	GO(Rt)No.1084/2011/ WRD dt. 25.10.11	170	ARP	Malappuram
32.	RWSS to Karimpuzha Pt	GO(Rt)No.764/2008/ WRD dt. 24.07.2008	1267.93	SPAN	Palakkad
33.	WSS to Sreekrishnapuram & adjoining villagess		3124.11	SPAN	Palakkad
34.	WSS to Alacode and adjoining villages		4376.26	SPAN	Idukki
35.	RWSS to Azhiyoor and adj. Vilalges	KWA/JB/P&M2/207/01-02 dt. 07.10.12	700	Tech. Mission	Kozhikode

CHAPTER X  
**JICA ASSISTED KERALA WATER SUPPLY PROJECT**

The JICA assisted Kerala Water Supply Project (KWSP) being implemented by Kerala Water Authority comprises the following 5 schemes:

1. Augmentation and Rehabilitation of Water Supply Scheme to Thiruvananthapuram city Region.
2. Water Supply Scheme to Meenad and adjoining Panchayaths in Kollam District.
3. Water supply scheme to Cherthala Municipality and adjoining Panchayaths in Alappuzha district.
4. Augmentation and Rehabilitation of water Supply Scheme to Kozhikkode City and adjoining Panchayaths.
5. Water Supply Scheme to Pattuvam and adjoining Panchayaths in Kannur district.

**Key features of the project**

Scheme	WTP (MLD)	Transmission Main (km)		Distribution Main (km)	Service Reservoirs (No.)
		Raw Water	Treated Water		
TVM	74	0.30	41.32	409.60	11
Meenad	71	1.58	80.40	992.50	14
Cherthala	107	20.88	81.00	660.00	18
Kozhikkode	174	0.44	123.31	1,864.00	20
Pattuvam	90	11.54	82.00	623.00	13
Total	516	34.74	408.03	4549.1	76

The project is nearing completion. The major components of all the five schemes under the project have been completed for production, transmission of storage of treated water viz, intake, raw water pumping/gravity mains, transmission systems and service reservoirs. The installed capacity of all the schemes is 516 MLD, for raw water pumping and production of treated water. The treatment plants are based on state-of-the-art design, using either lamella plate clarifier technology or sludge blanket clarifiers and equipped with automatic control and operational features. For raw water pumping from source to Water Treatment Plant, 34 km of pipe lines and for clear water transmission 408 km of pipe lines have been laid for the five schemes overall. Altogether, there are 76 new Ground Level or Over Head Service reservoirs

constructed for the five schemes with an overall capacity of 232.96 Million litres for distribution of the treated water.

The schemes are operational now except for the following (i). Portion of Distribution networks of Thiruvananthapuram, Meenad and Kozhikode schemes (ii). Rehabilitation works of existing water treatment plants of Thiruvananthapuram and Kozhikode and (iii) A few components of Institutional Strengthening. Of 4600 km of distribution lines envisaged in the five schemes, about 3639 km has been laid and remaining to be laid is 961 km (Thiruvananthapuram: 92 km, Kozhikode:695 km and Meenad:174 km). The distribution networks envisaged for Cherthala and Pattuvam have been completely laid.

The project when fully completed is expected to benefit 41 lakh people. The revised estimated cost of the project is Rs. 2987.40 crores,

The Institutional Strengthening component of KWSP covers various aspects such as procurement of equipments, procurement of services, Network& connectivity, Servers & storage infrastructure and Central Control Unit. The main components pending completion under IS are CCU building, ERP, Asset Management and installation of flow meters.

#### **Project Progress**

<b>Sl. No.</b>	<b>Schemes</b>	<b>Planned Progress</b>	<b>Achieved Progress %</b>
1	Thiruvananthapuram Scheme	100	93.81
2	Meenad Scheme	100	91.52
3	Cherthala Scheme	100	100
4	Kozhikkode Scheme	100	91.44
5	Pattuvam Scheme	100	99.31

#### **Physical progress achieved as on 30/09/2015**

<b>Trivandrum</b>	I	Intake, Raw Water Pipeline and WTP	100%	completed
	II	Treated Water Transmission Pipeline	100%	completed
	III	Distribution Systems	contract closed	Contract terminated and rearranged as PIII –R1

	III-R1	Distribution Systems	38.11%	March 2016
	IV	Service Reservoirs	100%	completed
	V	Rehabilitation Works of Existing System	45%	March 2016
<b>Meenad</b>	I	Intake, Raw Water Pipeline and WTP	100%	completed
	II	Treated Water Transmission Pipeline	100%	completed
	III	Distribution Systems	work terminated	Contract terminated and rearranged as PIII –R1
	III-R1	Distribution Systems	19.21%	June 2016
	IV	Service Reservoirs	100%	completed
<b>Cherthala</b>	I	Intake, Raw Water Pipeline and WTP	100%	completed
	II	Treated Water Transmission Pipeline	100%	
	III	Distribution Systems	100%	
	IV	Service Reservoirs	100%	
<b>Kozhikode</b>	I	Intake, Raw Water Pipeline and WTP	100%	completed
	IIA	Treated Water Transmission Pipeline	100%	
	IIB	Treated Water Transmission Pipeline	100%	completed
	III	Distribution Systems	work terminated	Contract terminated and rearranged as PIII –R1 & R2
	III-R1	Distribution Systems	33.05%	June 2016
	III-R2	Distribution Systems	35.72%	June 2016
	IV	Service Reservoirs	100%	Completed
	IV-R1	Service Reservoirs at Thalikulathur	100%	Completed
	IV-R2	Service Reservoirs at Kakkur	100%	Completed
	IV-R3	Service Reservoirs at Narikunni	100%	Completed
	V	Rehabilitation Works of Existing System	80%	March 2016

<b>Pattuvam</b>	I	Intake, Raw Water Pipeline and WTP	100%	
	II	Treated Water Transmission Pipeline	100%	
	III	Distribution Systems	Contract terminated and rearranged as PIII –R1 , R5 & R6	Completed
	III-R1	Distribution Systems	100%	
	III-R5	Distribution Systems	100%	
	III-R6	Distribution Systems	100%	
	IV	Service Reservoirs	100%	

## CHAPTER XI

### WASCON

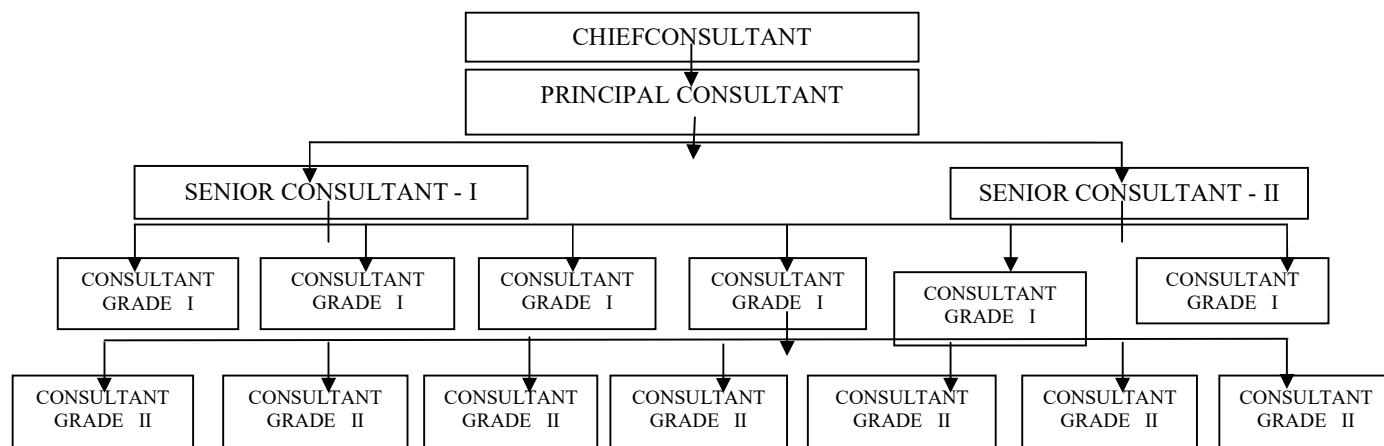
WASCON, the consultancy wing of Kerala Water Authority was setup as per GO(Rt.)45/2008/WRD dated 08/01/2008 with intention of providing Engineering Consultancy services for inhouse works and outside works. Since its inception, WASCON has prepared Detailed Project Reports for many Water Supply Projects. Detailed Project Reports for Jalanidhi Phase I, Jalanidhi Phase II, Water Supply Scheme to Technocity, Thiruvananthapuram, WSS to KINFRA Industrial Park Kanjikkode, Distribution network for Kochi Corporation & adjoining Panchayaths were some of the works prepared by WASCON. WASCON had also done designs for many Water Treatment Plants and Service Reservoirs. Design for 100 mld Water Treatment Plant for JNNURM Water Supply Augmentation for Kochi Corporation was one among them.

Later on, as the quantum of work in Northern Region increased, satellite offices were set up at Thrissur, Kannur and at Kondotty. Total staff strength inclusive of that at satellite offices is given below:-

1.	Chief Consultant (CE)	1
2.	Principal Consultant (DCE)	1
3.	Senior Consultant (EE)	2
4.	Consultant Grade I (AEE)	6
5.	Consultant Grade II (AE)	7
6.	Design Assistant (D/man Gr. I/II)	5
7.	Surveyor	1
8.	Overseer Gr. III	3
9.	Administrative Staff	5
10.	Office Facilitator (Peon)	3
	Total	34

WASCON is headed by a Chief Consultant in the rank of Chief Engineer.

## ORGANISATIONAL STRUCTURE OF WASCON



### Staff details of WASCON

1. Sri. Viji Titus	-	Chief Consultant	from 06/2013 to 11/2014
2. Sri. K.A. Abdul Latheef	-	Chief Consultant	from 12/2014 to 3/2015
3. Smt. Grace Samuel	-	Chief Consultant	from 4/2015 to 5/2015
4. Smt. V.G. Rekha	-	Chief Consultant i/c	from 6/2015
5. Sri. M. Luqman	-	Chief Consultant i/c	from 6/2015 to 12/2015
6. Smt. ZeenathBeegam	-	Chief Consultant	from 12/2015 onwards
7. Smt. Philomena Hycinthia	-	Principal Consultant	from 3/2013 to 8/2014
8. Sri. S. Haris	-	Principal Consultant	from 8/2014 to 10/2014
9. Smt. V.G. Rekha	-	Principal Consultant	from 10/2014 to 6/2015
10. Sri. M. Luqman	-	Principal Consultant	from 6/2015 onwards
11. Sri. S. Haris	-	Senior Consultant	from 1/2014 to 10/2014
12. Sri. M. Luqman	-	Senior Consultant	from 10/2013 onwards
13. Sri. AhamedRasheed C.K	-	Asst. Exe. Engineer	from 3/2013
14. Smt. Raji P.	-	Asst. Exe. Engineer	from 3/2013
15. Sri. D.K. Ramesh Babu	-	Asst. Exe. Engineer	from 3/2013 onwards
16. Smt. Sreekala L.B	-	Asst. Exe. Engineer	from 3/2013
17. Sri. Sunil C. Behanan	-	Asst. Exe. Engineer	from 3/2013 to 2/2014
18. Sri. Byju V.	-	Asst. Exe. Engineer	from 10/2015 onwards



19. Smt. Asha Raj N.	-	Asst. Exe. Engineer	from 2/2013 onwards
20. Smt. Manju J. Nair	-	Asst. Exe. Engineer	from 1/2014 onwards
21. Smt. Rekha P. Nair	-	Asst. Exe. Engineer	from 1/2014
22. Smt. Manju J. Nair	-	Asst. Engineer	12/2013 onwards
23. Smt. Maya S. Devi	-	Asst. Engineer	from 3/2013
24. Smt. A. Sujatha	-	Asst. Engineer	from 3/2013 to 12/2013
25. Smt. MeetiJayan C	-	Asst. Engineer	from 3/2013
26. Smt. Christin Sheena	-	Asst. Engineer	from 3/2013
27. Smt. Remya A.R	-	Asst. Engineer	from 3/2013 to 9/2013
28. Smt. Rekha P. Nair	-	Asst. Engineer	3/2013 to 12/2013
29. Smt. Sindhu K.P	-	Asst. Engineer	from 3/2013
30. Sri. Suresh Kumar U.P	-	Asst. Engineer	9/11/2012 to 21/3/2013
31. Smt. Vinitha V.N.	-	Asst. Engineer	2015onwards
32. Smt. Ramani V.K	-	Asst. Engineer	from 5/11/2013
33. Smt. Neethu Mohan	-	Asst. Engineer	11/11/2013 to 14/2/2014
34. Smt. Beena C.	-	UDC	3/2013 to 29/7/2013
35. Smt. Krishna priya R.S	-	LDC	from 3/2013
36. Smt. Deepa V.S	-	UDC	from 8/2013
37. Smt. B. Jayakumary	-	Sr. Gr. Typist	from 3/2013
38. Sri. Akber Ali	-	I Gr. D'man	from 17/8/2013
39. Sri. P. Brightus	-	I Gr. D'man	3/2013 to 31/5/2014
40. Smt. S. Baby	-	III Gr. Overseer	from 3/2013
41. Smt. Shalini John S	-	III Gr. Overseer	from
42. Smt. Smitha P.M	-	III Gr. Overseer	4/11/2013 to 31/7/2014
43. Smt. Shiji C.H.	-	II Gr. Surveyor	from 3/2013
44. Sri. Sadiq Ali M.M.	-	Driver	from
45. Sri. G. Asokan	-	Peon	from 3/2013
46. Sri. Jibu K.	-	Peon	from 3/2013

### **List of works 2014-15**

1. 19 Replacement of pipes – UWSS to Kannur municipality– strengthening distribution network – Package I – Phase I–design of 10LL OHSR at Kodaparamba

2. WSS to Erumeli Panchayath in Kottayam District –design of 13 LL sump cum boosting station at Karimkallumoozhy
3. UIDSSMT – Augmentation of WSS to Thalassery Municipality and adjoining town – strengthening of distribution system in T zone, K zone (balance) - design of 5.5 LL OH reservoir at Thalayi
4. Water Supply Scheme to Erumeli panchayath –design of 2.5 LL OHSR at Nerchappara (Package IV)
5. CWSS to Ettumanoor and adjoining villages in Kottayam District –package 10 - design of 6LL OHSR at Villoonni
6. WSS to East Eleri in Kasargod district – design of 3 MLD water treatment plant and 2.75 lakh litres capacity sump at Kottappalla
7. NRDWP –XVII - SLSSC 2012 – Improvements of RWSS to Valakom – Phase II – Design of 3.5 MLD water treatment plant and 2 LL capacity clear water sump at Valakom
8. Design of sump cum four storied office building at Kaduthuruthy
9. Type design of water treatment plants of capacities 3MLD, 5MLD,8MLD and 10 MLD
10. NABARD – RIDF – XVIII -RWSS to Vilakkudy, Vettikavala and Melila Panchayths - Design of 10.3 MLD Water Treatment Plant at Manjamonkala
11. WSS to Erumely Panchayath – Design of 5 LL OHSR at water treatment plant site at MES junction
12. NABARD – RIDF – XVIII – CWSS to Manjoor and Kanakkari Panchayath in Kottayam District – Design of 6 LL OHSR at Kurisumala
13. WSS to Erumely in Kottayam District – design of 9m diameter well cum pump house and allied structures at Edathikavu in Kollamula village in Pathanamthitta district – design of substation building

14. ARWSS to Akalakunnam and Mutholy Grama Panchayath in Kottayam district – design of 3LL OHSR at Chengalam
15. SPAN – CWSS to Pallichal, Balaramapuram, Vilavoorkal – design of 8 LL OHSR and 2.9 LL sump and pump house at Mottammoodu
16. SLSSC – 2013 – WSS to Kavannur village in Malappuram District Phase I – Package I-Design of 5 MLD Water Treatment Plant and 2.5 LL sump and pump house
17. KWA – KSUDP – Package No. TVM –SS-02-Extension of sewerage system in uncovered areas of G1 Block in Thiruvananthapuram – Design of pre cast manhole
18. CRWSS to Nedumpuram, Niranam, Kadapra and Peringara Pt. - 9m dia. Intake well cum pump house - 14mld WTP
19. WSS to Erumeli Pt. in Kottayam District - Construction of 0.6LL BPT at Govindankavala and 4LL sump at Pallikunnu – verification
20. 9m dia intake well cum pump house - CWSS to Vithura & Tholicode villages - approach bridge, retaining wall and channel
21. Deposit work of Kerala State Consumer Dispute Redressal Commission - Providing alteration to water connection to the CDRC building at Vazhuthacaud - non availability of water supply – remarks
22. Proposal for implementation of demonstration of projects for upgradation of rural drinking water pumping system under AgDSM program
23. Water purifier for iron, arsenic and fluoride affected areas – Report
24. Tsunami rehabilitated program - providing external drinking water facilities to Tsunami affected area of Kulathoor village - Type design - 0.5LL OHSR
25. 1.2LL OHSR and 1LL sump - Aryankunnu - Mudakkal – Attingal

26. JICA assisted KWSP - Rehabilitation of Kozhikode city - Surge analysis report
27. Maintenance of CWSS to Chithara and adj. Pts., - replacement of existing premo pipes - surge analysis report
28. JNNURM - Improvement to WSS to TMCand adj. Pts. - Supplying, testing and commissioning of DI pipes and pipe laying from Karamana to Pravachambalam - Design of Anchor blocks
29. WSS to Vakathanam Panchayat in Kottayam District - 12m dia. Intake well cum pump house, retaining wall and transformer room at Perur in Meenachil river – verification
30. CWSS to Parassala and adj. villages Marukil, Maranalloor villages - Package I for Kanjiramkulam, Karumkulam and Thriupuram villages - 12 mld WTP
31. JNNURM Kochi - Remarks on Distribution Network Design for Thrikkakara Municipality - pipe replacement - tender finalization
32. 16LL OHSR at KS Road (Muttacaud) - revised design - CWSS to Kovalam Tourism Area, Kalliyoor, Venganoor and Vizhinjam Corporation Area
33. Surge Analysis of RWPM from Thiruvalla to OH tank at Changanassery - CWSS to Kurichy, Vazhappally, Paippadu and Thrikkodithanam
34. Surge Analysis of 300mm CI & DI RWPM - Maintenance of Kasargod WSS
35. Surge Analysis of RWPM - Augmentation of WSS to Alappuzha Municipality and adjoining Panchayath
36. NRDWP – WSS to Purapuzha & Manakkad Panchayath in Idukki District (Part I) – Construction of 9m dia well cum pump house at Methalappara
37. ARWSS to Uppala & adjoining villages – Design, Construction, Commissioning of 3.5m height RCC weir at Kodamgai

38. NRWSS to Chengala, Muliyar, Madhur and Morgal Puthur Panchayath – Phase I Package I – 8m dia intake well cum pump house
39. TWSS – Laying pipe line for tapping water from the newly laid WS pipe to the Peroorkada reservoirs – Design of pipe and pipe line bridge
40. NRDWP – XVI – WSS to Adimali – Package I – Construction of 2.6 mld WTP and 2.5 LL capacity Clear Water Sump at Korangatty
41. NRDWP – XVI – RWSS to Amalapuram and Thattupura in Ayyampuzha Panchayath – Construction of 4m dia well cum pump house at Kothaithodu - Ayyampuzha Panchayath
42. SAARK – WSS to Belur adjoining villages in Hosdurg Taluk in Kasargod district. 3.20m height RCC weir across Karichery river at Ramankayam
43. UIDSSMT – Augmentation of WSS to Thalassery Municipality and adjoining towns – 20.7LL OH Reservoir at Koduvally – Package III
44. Pre-qualification of Manufactures / Firms for LT/HT Soft Starters
45. Shifting of sewage line in the dispute land at Pattoor
46. NABARD – RIDF XVII – RWSS to Chengala, Madhur & Morgal Puthur Panchayath in Kasargod district – 3 Nos. OH Reservoir works
47. KSUDP – Sewerage Sub component of Kochi Corporation – Laying of Sewer net works of Zones 3, 4, 6, 7, 8 & 9 – Package No. KCH-SS-02 & 03 – Approval of design and drawing of rectangular RCC manhole
48. Distribution network design Software – Evaluation
49. JICA Assisted Kerala Water Supply Project – Package V – Rehabilitation works of WSS for Thiruvananthapuram Region – Replacing Existing sand filter with Dual Media Filter

50. WSS to Thrikkovilvattom and Nedumapana Panchayath (Part) Construction of 5.5 mld WTP at Kannanalloor
51. WSS to Ayroor – Kanjettukara Phase I – Construction of 6m dia intake well cum pump house at Palliyodakadavu, Edappavoor - verification
52. UIDSSMT – Augmentation of UWSS to Alappuzha Municipality – Design, Supplying, laying, Jointing, testing, commissioning and Maintenance (For a period of 36 months after commissioning) of 800mm dia M.S pipes with internal and external lining for clear water pumping main from Kakkazhom to Valiyakulam junction – Package 3B. Cathodic Protection Design
53. CWSS to Ettumanoor and adjoining villages landslide wear 8LL OHSR at Carithas
54. RWSS to Ayroor – Kanjettukara Phase I – Construction of 5 mld WTP & supplying and laying 4800m of 200mm DI K9 gravity line from Treatment Plant to Kanjettukara
55. Project estimate for Effluent Treatment Plant ST Development Department Govt. Model Residential School Kalpetta
56. NABARD – RIDF – XVIII –CWSS to Manjoor and Kanakkari Panchayath in Kottayam District. Design of 6LL OHSR at Kurisumala – Verification – Circular
57. WRD – Conclusion of Rate Contract for the new item life saving water purifier system
58. Water scarcity in Puduppariyaram Panchayath Ward No. 2 (Moolampadam)
59. Water Supply Scheme at Vanchikadavu in Manalur Panchayath in Ward No.3 – type design of 4m dia intake well and sump cum pump house of 0.25mld capacity
60. WSS to Kozhenchery Panchayath – Phase I – Design and construction of 5mld WTP at Kurangumala – layout plan and hydraulic flow diagram

61. Improvements to Kollam Water Supply Scheme with Kallada river as source at Kadapuzha – Design of intake well cum pump house
62. Deposit work – Thodupuzha Municipality – Construction of a Sewerage Treatment plant for Taluk Hospital, Thodupuzha
63. ARWSS to Akalakkunnam & Mutholy Grama Panchayaths in Kottayam District – Design of 1.25LL water tank & Pump house at Edamula & 3.00LL OHSR at Karimpani
64. SPAN – CWSS to Vizhinjam, Kalliyoor and Venganoor Panchayaths and Kovalam tourist area in Thiruvananthapuram district
65. NABARD –RIDF –XVIII- WSS to Othukkungal and Ponmala grama Panchayath in Malappuram District – package –I (1) Design, construction testing and commissioning and maintenance of 8.00m dia intake well cum pump house (2) Supplying and laying 400mm DI K9 pipe raw water pumping main from intake well at Mattathur kadavu in Othukkungal Panchayath – Design and drawing of the retaining wall
66. Replacement of damaged AC distribution mains in Vazhakkulam, Kizhakkambalam and Kunnathunadu Panchayath. Supplying, laying, testing and commissioning of 350mm DI K9 pipes for a length of 2900m from Njaralloor to Pattimattom. Design of pipe carrying bridge across irrigation canal
67. SPAN –CWSS to Vizhinjam, Kalliyoor and Venganoor Panchayath and Kovalam Tourist area in Thiruvananthapuram District – Design, Construction and Commissioning of 16.00LL capacity OHSR at Muttacaud KS Road, Design, Construction and commissioning of 2.80 LL capacity OHSR at Vandithadam, Supplying and laying 500mm DI K9 pipe from Clear Water Sump at Vellayani agricultural campus to OHSR at Muttacaud K S Road, supplying and laying 350mm DI K9 from Muttacaud 16.00LL OHSR to Kovalam junction and supplying and laying 150mm DI K9 pipe from West Poonkulam Junction to 2.80LL OHSR at Vandithadam and supplying and laying 150mm DI K9 pipe from Kovalam junction to GLSR at Kovalam - Design

68. NRDWP 16 – WSS to Adimaly and nearby areas of Mannamkandom village of Idukki district – M S truss work for carrying pipe crossing Kallar river parallel to Peeckodu bridge
69. Augmentation of Kuttanadu Water Supply Scheme – Construction of 4.5LL OHSR at Thakazhy

#### **Detailed Engineering Report 2014-15**

1. Verification of Project report for providing 125mld to Trivandrum City from Neyyar Dam
2. CWSS to Kovalam Tourism Area, Kalliyoor, Venganoor and Vizhinjam Corporation Area - DER preparation - distribution redesign as per new pipe policy
3. Additional source to Kollam WSS with Kallada river as source at Kadapuzha across Sasthamkotta lake - Design vetting
4. NRDWP - SLSSC 2015 - CWSS To Cherpulassery, Thrikkadeeri, Ananganadi and Chalavara Panchayaths in Palakkad District - Draft DER Preparation
5. Comprehensive WSS to Nedumbassery and adj. Pts. - DER verification - Jalanidhi II - Nedumbassery, Chengamnad, Kanjoor, Sreemoolanagaram, CIAL
6. Sewerage scheme for Erumeli town - preparation of DER
7. Removal of pollution of Kottathodu in Mavelikkara Municipality - preparation of DER
8. Kinfra Palakkad - Revised DER

#### **Preliminary Engineering Report 2014-15**

1. Study Report - UWSS to Mavelikara - Renovation of WTP - 4.5mld - Proposal for microfilter



2. Feasibility Study - Pallikkal River as Source - WSS to M/s KMML, Chavara
3. WSS to Haripad and 10 adj. Pts., - Hydraulic Design of scheme
4. Proposals for providing microfilter units in various Water Supply Schemes

**Revenue:**

Performance of WASCON shall not be assessed in terms of consultancy fees received by it, but in terms of cost effective designs delivered by it which ultimately resulted in reduction of capital cost. The consultancy fees billed during the period **2014-15** is Rs.**25.25 lakhs**.

## CHAPTER XII COMPLAINT REDRESSAL CENTRE

As part of enhancing customer services, a Complaint Redressal Centre with a toll free number 1800 425 5313 was started functioning in the Head Office, Thiruvananthapuram from 22/3/12 onwards. The complaints/calls regarding water supply and drainage from anywhere in Kerala will be attended in this centre. The details of the complaint will be transmitted to the respective Divisions over telephone. A nodal officer was made responsible in each division to attend to the complaints and for follow up action on the complaints which are forwarded from the Complaint Redressal Centre. The Technical Assistants of the concerned Divisions are nominated as the nodal officers for attending the complaints. All complaints forwarded from this centre are entered in a register and action taken is being recorded. The Technical Assistants reports the action taken regarding the complaints which are forwarded to them by the Complaint Redressal Centre in a time bound manner.

The phone nos. to which the complaints are forwarded are listed below:

1. P.H Division, Thiruvananthapuram	-	0471 2322798	8547638175
2. Head Works Division, Aruvikkara	-	0472 2888239	9400067878
3. W.S Division, Neyyattinkara	-	04712223447	8547638093
4. Sewerage Division, Pattoor	-	04712303170	8547638212
5. W.S Division, Attingal	-	04702620574	8547638355
6. P.H Division, Kollam	-	0474 2748857	8547638530
7. P.H Division, Pathanamthitta	-	0468 2222687	8547638344
8. P.H Division, Alappuzha	-	0477 2242372	8547638221
9. P.H Division, Tiruvalla	-	0469 2701267	8547638241
10. P.H Division, Kottayam	-	0481 2563711	8547638556
11. P.H Division, Kochi	-	0484 2360816	8547638133
12. W.S Division, Kochi	-	0484 2394155	8547638145
13. P.H Division, Aluva	-	0484 2626948	85476 38156
14. P.H Division, Muvattupuzha	-	0485 2832350	85476 38436
15. P.H Division, Thodupuzha	-	04862 222812	85476 38427
16. P.H Division, Thrissur	-	0487 2333070	85476 38362
17. P.H Division, Irinjalakuda	-	0480 2826608	85476 38374
18. P.H Division, Palakkad	-	0491 2545027	8547638307
19. P.H Division, Shornur	-	0466 2223264	85476 38315
20. P.H Division, Kozhikode	-	0495 2370095	85476 38211

21. P.H Division, Vadakara	-	0496 2512474	85476 38060
22. P.H Division, Malappuram	-	0483 2734891	85476 38171
23. P.H Division, Edappal	-	0494 2680215	85476 38410
24. P.H Division, Sulthan Bathery	-	04936 220422	85476 38495
25. P.H Division, Kannur	-	0497 2706837	85476 38273
26. P.H Division, Kasargod	-	04994 256411	85476 38250

### **Details of National Pension System Cell**

NPS (National Pension System) is a defined contribution based Pension Scheme launched by Government of India with the following objectives

- To provide old age income
- Reasonable market based returns over long run
- Extending old age security coverage to all citizens

It is based on a unique Permanent Retirement Account Number (PRAN) which is allotted to each Subscriber upon joining NPS.

The Government of India in exercise of their executive powers adopted 'National Pension System' (NPS) based on defined contributions in respect of all new entrants to Central Government services, excepting the Armed Forces, with effect from 1st January 2004. Most of the State Governments have since notified a similar pension system for their new entrants. NPS accumulates savings into subscribers PRA while he is working and use the accumulations at retirement to procure a pension for the rest of his life.

The Pension Fund Regulatory & Development Authority Act was passed on 19th September, 2013 and the same was notified on 1st February, 2014. PFRDA is regulating NPS, subscribed by employees of Govt. of India, State Governments and by employees of private institutions/organizations & unorganized sectors.

Government of Kerala vide G.O.(P) 20/ 2013/Fin dated 07-01-2013 decided in principle that National Pension system shall be introduced with effect from 01.04.2013 which shall be applicable to all appointments made thereafter. Sri. Sajith Kumar S.S, Deputy Accounts Manager was appointed as State Nodal Officer for implementation of National Pension System in KWA vide Proceedings No. KWA/JB/E1-10302/2012 dated 06/03/2015. At the 376<sup>th</sup> Board Meeting held on 25/03/2015 the following officials were approved as authorised signatories for NPS.

- a. Sri V.S.Pradeep, Finance Manager & Chief Accounts Officer
- b. Sri Shijith. V, Accounts Manager
- c. Sri Ajith Kumar. G, Accounts Manager
- d. Sri Sajith Kumar S.S, Deputy Accounts Manager/State Nodal Officer for NPS.

The application form for operationalization of NPS in KWA was submitted to the NPS Cell , Finance Wing, Government of Kerala vide letter No. 0065/2015/NPS/DYAM/FIN/KWA-SNO dated 31/03/2015.

CHAPTER-XIV  
ABBREVIATIONS

1. ARP Accelerated Rural Project.
2. ARWSS Accelerated Rural Water Supply Scheme.
3. CPHEEO Centre for Public Health Engineering & Environmental Organization
4. CWSS Comprehensive Water Supply Scheme.
5. DER Detailed Engineering Report.
6. DRW Drought Relief Work.
7. DBA Data Base Administrator.
8. e-ABACUS Enhanced Advanced Billing, Accounting & Collection Utility System
9. HUDCO Housing & Urban Development Corporation.
10. IMIS Integrated Management Information System.
11. IPD Investigation, Planning and Design.
12. JICA Japan International Co-operation Agency.
13. LCS Low Cost Sanitation.
14. ORWS Other Rural Water Supply.
15. PHD Public Health Division
16. PMU Project Management Unit.
17. PS&GL Personal & General.
18. PER Preliminary Engineering Report.
19. RCC Reinforced Cement Concrete
20. SCP Special Component Plan.
21. TCC Total Cash Compensation
22. TSP Tribal Sub Plan
23. UWSS Urban Water Supply Scheme

- 24. WB World Bank.
- 25. WBP World Bank Project.
- 26. WGDG Western Ghat Development Programme.
- 27. WS Water Supply.
- 28. WSS Water Supply Schemes.