



KERALA WATER AUTHORITY

ADMINISTRATIVE REPORT 2020-21

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Chapter I

KERALA WATER AUTHORITY – A PROFILE

- 1.1** The Kerala Water Authority (KWA) was constituted by the Government of Kerala through the Kerala Water Supply and Waste Water Ordinance 1984 converting the then existing Public Health Engineering Department. The ordinance was replaced by the Kerala Water Supply and Sewerage Act 1986 (Act 14 of 1986) and the organization was deemed to have come into force on the 1st day of March 1984. The Act provides for the establishment of an autonomous Authority for the development and regulation of water supply and wastewater collection and disposal in the State of Kerala and for matters connected therewith.
- 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 waste water.
 - (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 standards for water supply and waste water services.
 - (v) Carrying out applied research for efficient discharge of the functions of the Authority.

Making provisions for the supply of wholesome water and efficient sewerage services to the people in the state.

- 1. VISION – Sustainable Water Management.**
- 2. MISSION – (a) 100% piped drinking water supply.
(b) 100% waste water disposal through pipes.**

Chapter II CONSTITUTION

2.1 The Authority consists of the following members.

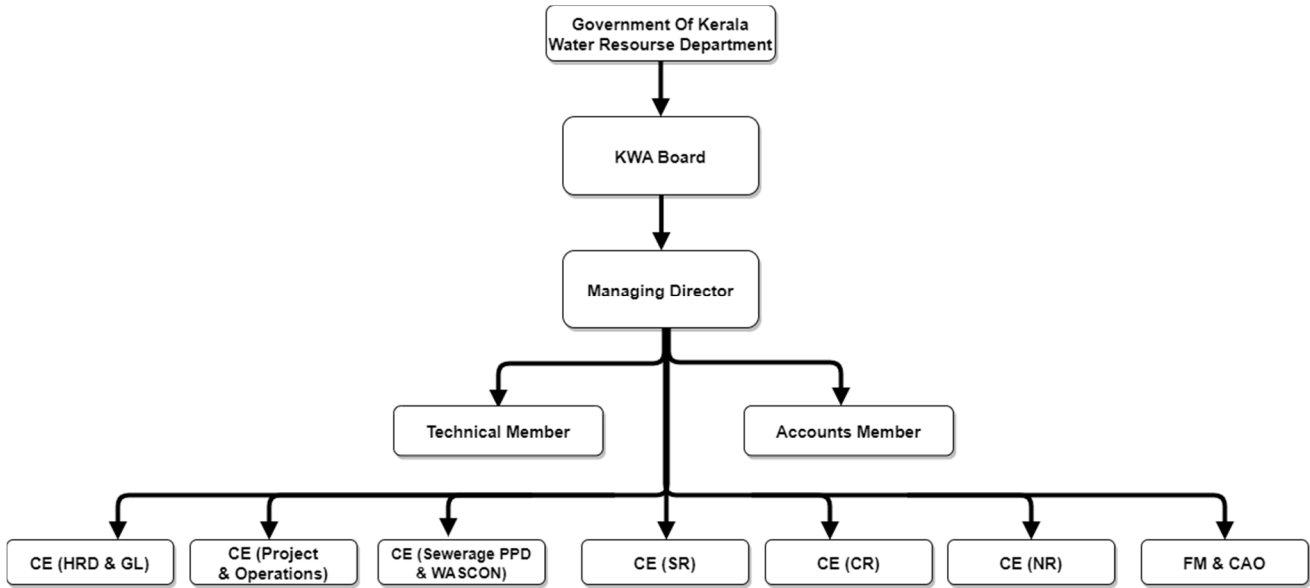
- 1 Chairman – Appointed by the Government.
- 2 Managing Director – Appointed by the Government.
- 3 Secretary to Government, Water Resources Department, Government of Kerala.
- 4 Secretary to Government, Finance Department, Government of Kerala.
- 5 Secretary to Government, Local Administration Department, Government of Kerala.
- 6 Secretary to Government, Rural Development Department, Government of Kerala.
- 7 Two members representing the Local Bodies in the state, appointed by Government.
- 8 Two members appointed by the Government, one of whom shall be a member belonging to the schedule caste / schedule tribe.
- 9 A Technical Member, appointed by the Government.
- 10 An Accounts Member, appointed by the Government

2.2. THE BOARD OF DIRECTORS

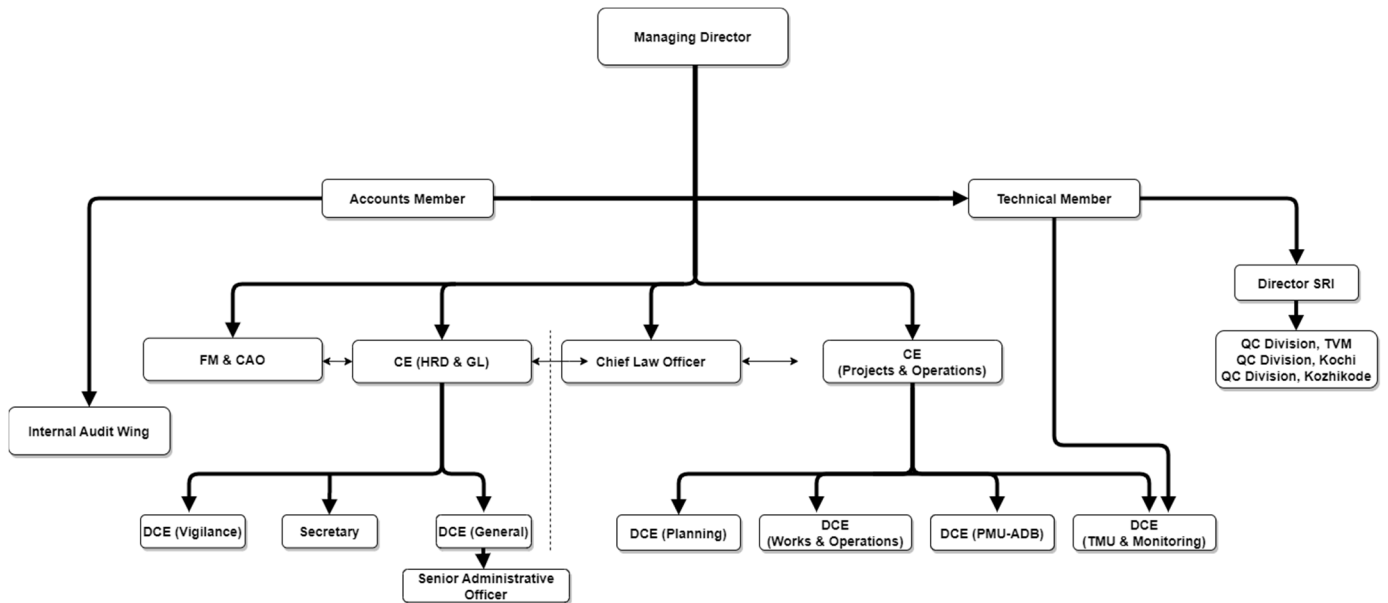
BOARD OF DIRECTORS	NAME	TERM
Chairman KWA & Additional Chief Secretary, Water Resources Department	Dr. Vishwas Mehta IAS	01/04/2020 to 28/06/2020
	Sri. T.K. Jose IAS	29/06/2020 to 31/03/2021
Secretary, Water Resources Department (Ex-Officio)	Dr. B. Ashok IAS	01/04/2020 to 31/12/2020
	Sri. Pranabjyoti Nath IAS	01/01/2021 to 31/03/2021
Managing Director, Kerala Water Authority	Dr. B. Ashok IAS	01/12/2019 to 28/05/2020
	Sri. Venkatesapathy S. IAS	28/05/2020 to 31/03/2021
Joint Managing Director, Kerala Water Authority	Sri. Venkatesapathy S. IAS	01/04/2020 to 27/05/2020
Secretary to Government Finance (Expenditure) (Ex-officio)		
Additional Secretary, Finance Department	Smt. S.V.Kala	01/04/2020 to 31/03/2021
Secretary to Government, Local Self Government,(Ex-Officio)	Smt. Sarada Muraleedharan IAS	01/04/2020 to 31/03/2021
Executive Director (KRWSA), (Ex-officio)	Smt. Joshi Mrunmai Shashank	01/04/2020 to 15/01/2021
	Sri. Umesh N.S.K IAS	15/01/2021 to 31/03/2021
Non-Official Members	Sri.ChettachalSahadevan	1/04/2020 to 31/03/2021
	Sri.T V Balan	“
	Sri.AlexKannamala	“
	Sri.Murugadas V	“
Technical Member, Kerala Water Authority	Sri. T Raveendran	01/04/2020 to 31/05/2020
	Sri. Sreekumar G	01/06/2020 to 31/03/2021
Accounts Member, Kerala Water Authority	Sri. V. Ramasubramani IA & AS	12/07/2020 to 31/03/2021

Chapter III ORGANIZATIONAL STRUCTURE

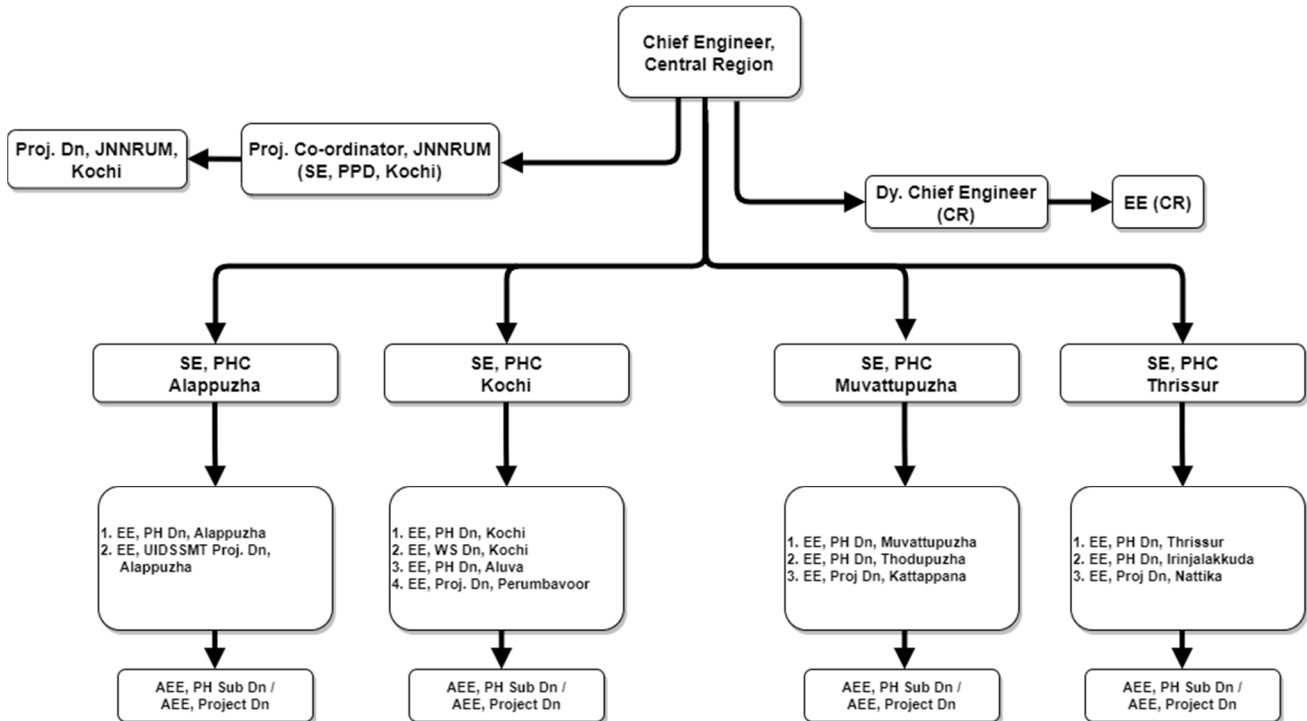
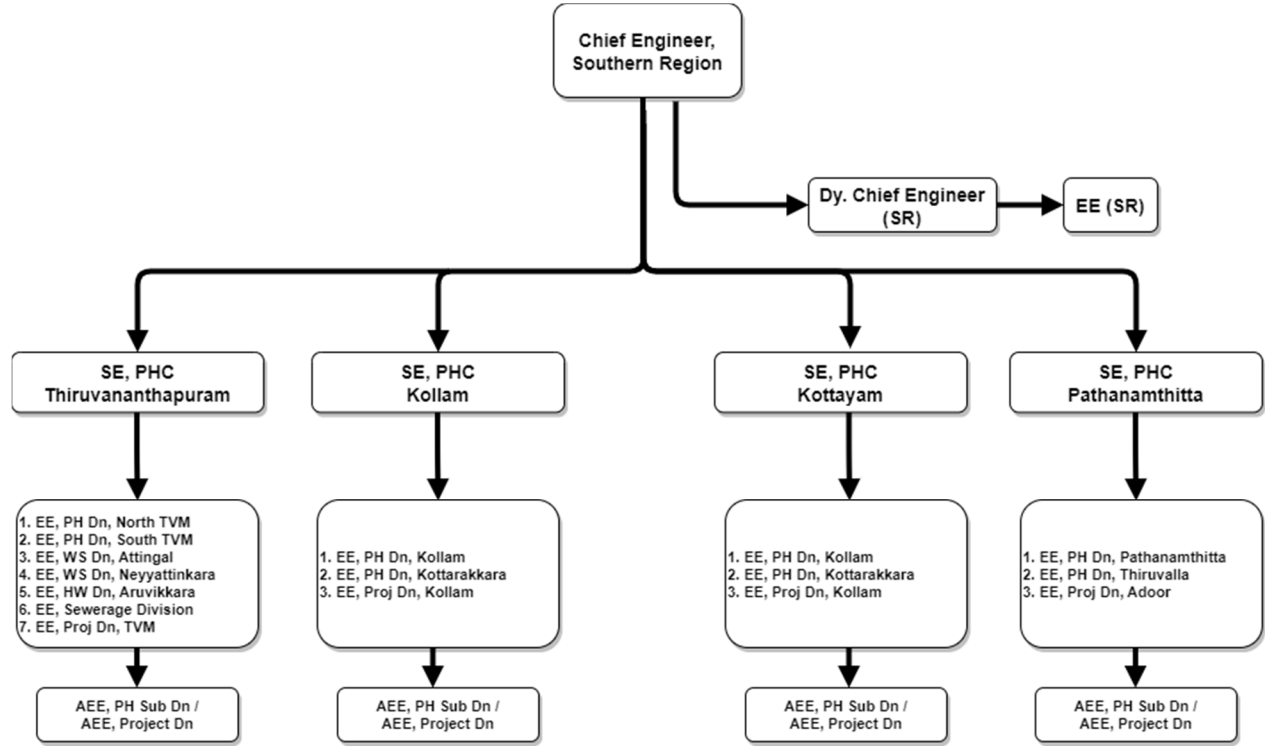
Basic Structure

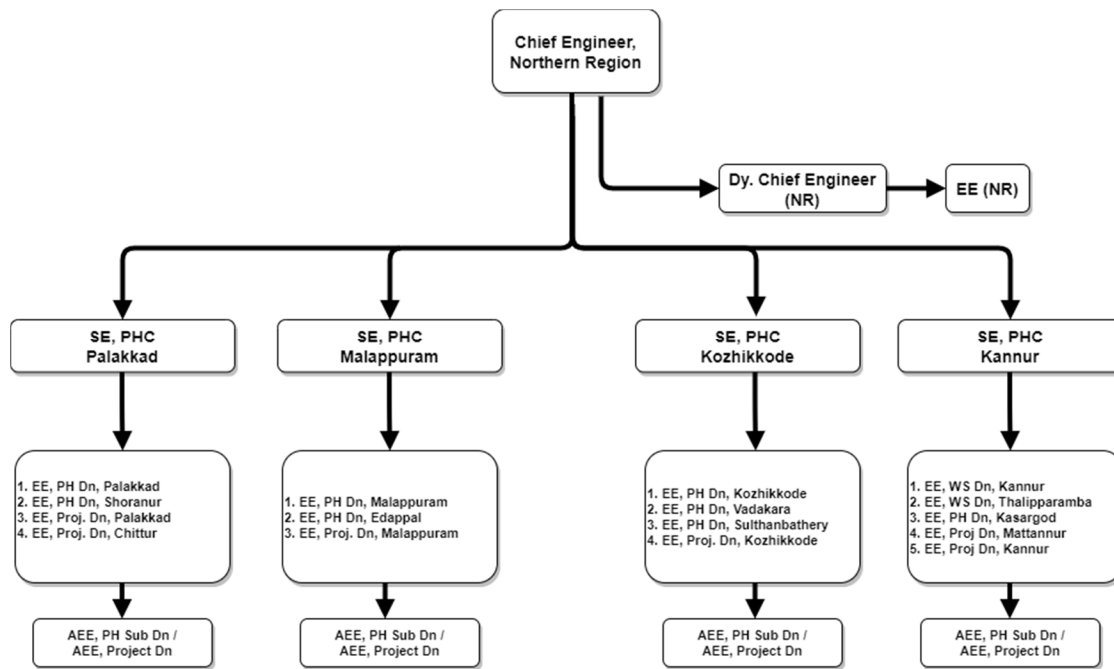


Head Office



Regional Offices





3.1 Organisational Structure

The KWA has its Headquarters at Jalabhavan, Vellayambalam, Thiruvananthapuram. It has 4 Chief Engineer offices, 17 Circle Offices, 3 PPD Regional Offices, 48 Division offices, 136 Sub Division Offices and 293 Section Offices including revenue, projects, sewerage and quality sections spread across Kerala. The major functional units are:

- Operation & Maintenance
- Projects
- Project Planning and Development
- Quality Control
- Consultancy (WASCON)

The KWA has elaborate water quality control setup with a State Referral Institute at Kochi and has 14 District labs and 33 sub divisional labs.

In head office the operations of existing schemes including O&M, Revenue Collection, Non Revenue Water loss, etc. are also been monitored in addition to the on - going schemes progress. By close monitoring and reviews, many schemes could also be commissioned in the financial year increasing the coverage and benefitting more population in the state. The objective is improved customer satisfaction through better service delivery.

It is necessary to make technical advancements in working style which ensures KWA to do “Smart Work”.

3.2. Major units of KWA

3.2.1. Administrative Wing

Administrative Wing in Head Office headed by Senior Administrative Officer at Thiruvananthapuram is mainly dealing with Human Resource Management. The database regarding all categories of employees and officers (Ministerial & Technical) and its appointment, sanctioned post and promotion avenues as per special rules in force are kept almost up to date and tidy.

3.2.2. Training Centre.

A centralized training centre headed by an Executive Engineer is functioning at Trivandrum with ample training facilities. The unit carries out in-house trainings, workshops, refresher courses etc. Training Centre also facilitates the deputation of officers for higher studies and external training.

3.2.3. Vigilance Section

There is a Vigilance Wing headed by a Deputy Chief Engineer, and consisting of one Executive Engineer, two Asst. Executive Engineers and a Junior Superintendent 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 affecting the Authority. The report submitted will be scrutinized by a committee headed by the Technical Member and based on the recommendation, further action will be taken in every case.

3.2.4. 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 Accounts Rendering Units. They are also responsible for the follow up action with regard to the audit findings of the Accountant General, Kerala, Stock Verification Reports submitted by two Stock Verification Sub Divisions located at Thiruvananthapuram and Kozhikode, Internal Audit Reports, Special Audit Reports, Reports of different Legislative Committees such as PAC, COPU, Local Fund Accounts Committee, Subject Committee, etc. They report directly to the Accounts Member.

3.2.5. Chief Engineer Offices

- Chief Engineer (Southern Region)
- Chief Engineer (CentralRegion)
- Chief Engineer (NorthernRegion)
- Chief Engineer (Sewerage PPD & WASCON)

Under the control of a Chief Engineer, Sewerage PPD & WASCON the 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 and Sanitation sector.

3.2.6. Circle Offices

There are 17 Circle Offices including Sewerage and Quality wing. The Circle offices are headed by Superintending Engineers.

3.2.7. Division Offices

The Divisions are controlled by Executive Engineers. Depending on the nature of work the Divisions are primarily classified as O&M (PH/WS) Divisions, Project Divisions and Quality Control Division.

These divisions are the main executive unit for the execution of O&M of water supply across the State. The Executive Engineer is responsible for the proper execution of all O & M works in his Division and also in guiding and controlling the subordinate officers in regard to operation and maintenance of all water supply schemes. He has also powers of sanctioning estimates and entering into contracts within the limits of powers delegated to him. As disbursing officer of the Department, all payments for works, supplies and services shall be made by the Executive Engineer in the Division or through the Sub Divisions and Sections under him. The Executive Engineer shall render the prescribed accounts to the FM&CAO.

The Division Office shall have three branches, viz. Technical Branch, Accounts Branch and Establishment Branch. The Technical Branch shall be under a Technical Assistant (Asst Executive Engineer), Accounts Branch under a Divisional Accountants Officer and Establishment Branch under a Junior Superintendent. Revenue Officers are also posted in certain Divisions to look after the revenue related matters.

Executive Engineer is also the liaison officer for dealing department matters with other departments and with Elected Representatives. There are 29 regular divisions looking after operation and maintenance of water supply and one division looking after operation and maintenance of sewerage system in KWA. When the division is authorized the charge of Head works, with a number of major water treatment plants having important transmission mains, particularly a very large population covering cities, municipalities, corporation, the division is called Head Works Division. The control of overall quality of water produced, arranging various maintenance works of TP's and its components is with the Head Works Division.

- **Project Divisions**

KWA has 16 Project Divisions across the State exclusively for executing Capital works. The Division is entrusted with the task of envisaging a project, preparation of engineering report, preparing tender documents and executing the project and preparation of contractors' bill of projects related to water supply and sewerage. After trial run, commissioning and rectification of defects by monitoring the trial run, the assets are handed over to the O&M Divisions.

- **Quality Control Divisions**

Other than regular divisions and project divisions, KWA has 3 quality control divisions, one at Thiruvananthapuram, Kochi and Kozhikode, with Director SRI(SE) as its head. The quality control divisions control the activities of QC Sub Division offices and QC section offices, including all regional labs. The QC Division monitor the quality of water produced in WTP's and other minor WSS at frequent pre determined intervals. In addition to the inspection of schemes and collection of water samples they also check the quality of chemicals supplied to KWA like Alum, Lime and Bleaching powder.

NABL accreditation of Labs and quality check of private water samples is also a mandate of Quality Control Divisions.

3.2.8. Sub Division Offices

The work of sections is controlled by a sub-division under the control of an Assistant Executive Engineer who is vested with powers, within his delegation, to sanction estimates, enter into contracts and make payments. The Assistant Executive Engineer has also to guide subordinate officers in the matter of operation and maintenance of schemes and take all steps necessary to ensure that quality water supply is ensured to the public. He has to maintain and render accounts as prescribed in the rules and orders in force. The sub division holds the control of all section offices under it. It is in the middle position between the Division and Section Offices, with control of revenue collection and giving connection like that of Non domestic, Industrial etc. Sub Division Office is headed by Assistant Executive Engineer, assisted by Junior Superintendent/Head Clerk and subordinate staff in Office and has control of section offices headed

by Assistant Engineers. Sub Division offices collect various fees related to water connection and that like of meter replacement, ownership change, alterations in water connection etc. sub division office looks into the activities of section offices and issue guidance for its proper function time to time. The supervision of works under section offices also comes under the purview, including quality of water distributed.

3.2.9. Section Offices

The lowest executive unit of the organizational set up is the section office under the control of an Assistant Engineer whose jurisdiction may be territorial or functional. For carrying out, executive and supervisory functions the section will have the required number of Overseers, and other staff like Drivers, Operators, etc. For assisting him in the ministerial work there will be a clerk attached to his office. Where the section is under the control of departmental execution of works, required staff shall be deployed. In addition to executive functions, the Assistant Engineer has to maintain the primary records of all transactions relating to works, supplies and services under his control and renders accounts to his superior authorities as per rules.

Section offices are the backbone of KWA. All activities start from here and all works and other projects/proposals etc rise from section offices. Section office directly looks into the O & M of all schemes under its control, including execution of works, implementation of water connections, taking meter readings, entering of meter readings, issue of water bill, raise work bill, raise reports, and estimates. Any short falls in section offices will be reflected in the performance of Authority itself. Assistant Engineer heads the section office with supporting administrative and technical staff. As all activities right from revenue to work starts here heads with Head Clerk, it is the most important ring in the chain. Consumer complaints will be addressed primarily from section offices and grievances if any only will be taken up at higher offices.

Quality control sections collect sample from sources, distribution system, sumps, OHSR and WTP's as per preapproved frequencies and report to AEE, QC Sub Division and EE, QC Divisions concerned. Assistant Engineer heads the section and also controls activities directly in district labs under his control.

3.2.10. Activities of Blue Brigades

The water supply system of Kerala Water Authority is always through pressure pipe system. Although the pipeline system is designed to withstand a certain pressure, these water supply pipes may leak due to high pressure inside the pipe as well as external pressures and vibrations due to movement of heavily loaded vehicles. As it is a pressure operated system, if a small crack is not repaired, additional water loss will occur and the amount of non-revenue water will increase. It is therefore important to ensure that pipeline repairs are carried out in a timely manner. If these are not done from time to time, even in places where the annual contract is in place, an alternative system needs to be put in place to attend the leaks immediately. In addition, valve adjustments are required to control and regulate the water supply in different areas, which is an issue that needs to be addressed very carefully, and defects in this can seriously affect the drinking water supply in an area.

If the two issues mentioned above i.e. time bound pipe maintenance and valve control are handled properly, water loss will be avoided and smooth drinking water supply will be possible. The "Blue Brigade" system is working as a pilot project in some key locations to achieve this goal. The system includes a maintenance van / jeep, fitter, plumber, worker, repair tools, pipes, valves and specials. Depending on the situation in the area, the system operates on a one-shift / two-shift / three-shift schedule. In the event that the Running contractor is not attending the leakages in a timely manner, repairs will be carried out by the Blue Brigade. Currently Blue Brigade is operating in Thiruvananthapuram, Kollam, Kottayam, Wayanad, Kozhikode and Kannur districts.

3.2.11. Stock Verification Unit

There are two Stock Verification Sub Divisions functioning under Accounts Member for the physical verification of materials stored in different stores. The Sub Division situated in Trivandrum has jurisdiction upto Ernakulam and the second one situated in Kozhikode verifies the stores beyond Ernakulam.

3.2.12. JICA Assisted Kerala Water Supply Projects

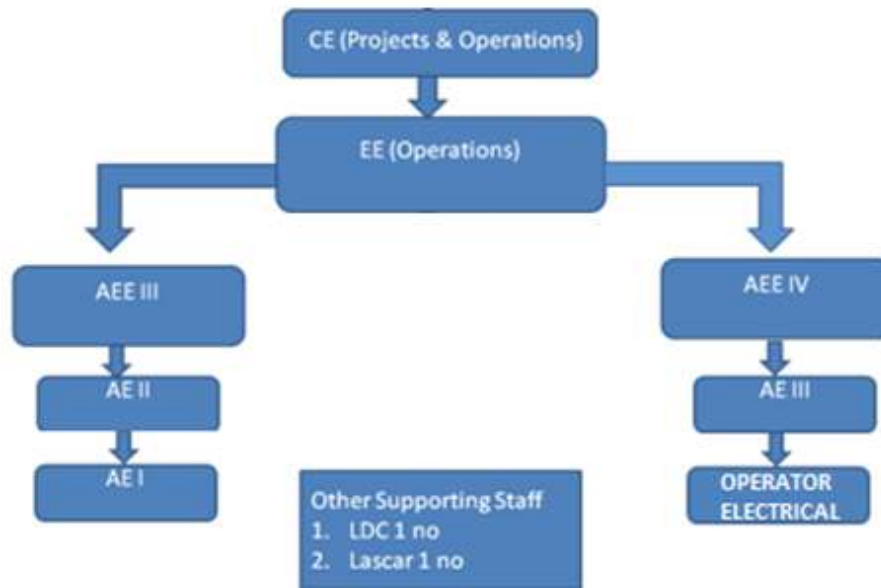
The JICA Assisted Kerala Water Supply Project was implemented under a Chief Engineer. All the five major water supply schemes assisted by Japan International Co-operation Agency were commissioned. Now Chief Engineer (Projects and Operation) is in charge of the balance works and he assists the closing of pending bills. Its function is 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.

3.2.13. Project Management Unit (PMU)

KWA is implementing the Kerala Urban Water Supply Improvement projects with the loan assistance from the ADB for 24 x 7 water supply system in the 3 major cities viz, Thiruvananthapuram, Kochi and Kozhikode. The ADB Consultation Mission has emphasised the need of Establishing a Project Management Unit (PMU) and it was agreed to establish the same immediately. As per the KWA Board Resolution No. 10725 Dated: 27/07/2018 resolved to approve the proposal for converting the existing JICA project office as PMU for ADB project and also to deploy the existing staff in the JICA Project Office as PMU for ADB project. The PMU is functioning as separate wing under the DCE.

Chapter IV SCHEMES UNDER EXECUTION

Operations and Maintenance



Operation and maintenance refers to all of the activities needed to run a water supply and Sewerage scheme, except for the construction of new facilities. The overall aim of operation and maintenance is to ensure efficiency, effectiveness and sustainability of water supply and Sewerage Schemes. The two activities of “operation” and “maintenance” are very different in nature. Operation refers to the routine activities and procedures that are implemented to ensure that the water supply system is working efficiently. The activities that contribute to the operation of a water utility are undertaken by technicians and engineers who have responsibility for controlling the functions of the system. Maintenance, on the other hand, are to do with the technical activities, planned or reactive, which are needed to keep the system working.

Operation and maintenance has been neglected in the past, or been discussed and introduced only after a project was completed. Realizing the fact that this neglect or delay in applying proper operation and maintenance has affected the quality of service offered of the services to a great extent, Operations Unit has been formed in HO to monitor the O&M of water supply and sewerage services and to formulate appropriate policies and operating guidelines as and when required. The importance of O&M has gained considerable visibility ever since the formation of Operations Unit. Some of the main activities carried out by Operations Unit are as follows.

- Monitoring of Operations and Maintenance expenditure
- Tracking utilization and wages of employees through Software
- Non-Revenue Water Management activities
- Emergency works related to Drought / Flood and special festivals like Sabarimala pilgrimage, AttukalPonkala.
- Monitoring of complaint Redressal system (1916, Janamithra, Aqualoom etc.)
- Suggest remedial measures to be taken in case of emergency, quality issues etc
- Innovative and Pilot projects related to technological improvements in O&M of water supply and sewerage systems.

4.1. Water Supply Coverage

There are 928 water supply schemes in operation as on 31.03.2021, benefitting a population of 2.32 crore. The average per capita availability of piped water is 84.76 litres per day. However, the lpcd is varying in different habitations in all the districts.

During the financial year 2020-21, 19 schemes under Stateplan, 5 projects under NABARD, 21 projects under AMRUT and 34 projects under KIIFB were completed. 4.04 lakh FHTCs were provided under JJM and thereby increasing coverage and the population benefitted. Many new projects were sanctioned under KIIFB, State plan, RKI, JJM and NABARD to cover the uncovered areas. KWA distributes water through House Service Connections (HSC) and street taps.

As on 31.03.21, from the existing KWA schemes, 64.29% population of Kerala has been covered with piped water supply –59% in rural sector and 80% in urban. KWA has given 31,28,238 Domestic connections, 240365 Non domestic connections and 2601 Industrial connections in addition to 194859 street taps as on 31.03.21. As part of implementation of Jal Jeevan Mission, it is intended to have more Functional households tap connections (FHTC) in the rural sector. KWA aims to cover 100% population in the rural sector with FHTCs by 2024.

4.2. Revenue

The major income for KWA is from the sale of water and Kerala is the only state in the country with 100% metered water connections. The water tariff is uniform across the state with block tariff structure (increasing rate with increasing consumption). The last revision in water tariff was on 01.10.2014. The total revenue collected during 2020-21 was Rs.601.46Crore.

The major sources of income of KWA are from the following sources:

- Revenue from sale of water
- Non Plan Grant from GoK
- Plan fund from GoK
- NABARD
- NRDWP / JJM funds from GoI

The reduction in fund, delay in releases of funds, no tariff revision for more than 5 years, increased expenditure due to various factors including hike in electricity charges is adversely affecting the effort for the organization to be self – sustainable. However all effort has been taken to optimize the functions with the available resources and manpower.

4.3. Capital Works

Currently the KWA undertakes projects under various heads. Kerala Water Authority is an autonomous Authority constituted by the Government of Kerala for the development and regulation of water supply and wastewater collection and disposal in the State of Kerala. Kerala Water Authority provides water supply to nearly 2.32 crore people from the 928 Water Supply Schemes maintained by it, through 33.71 lakh connections and 2 lakh public taps in the State of Kerala. KWA has made remarkable progress in the rural and urban water supply sectors, commissioning various Water Supply Schemes implemented with the help of Central/State Government grants and Schemes (JJM, NABARD, State Plan, NRDWP, KIIFB, AMRUT etc.). Projects worth more than Rs.14, 000 crore are in various stages of implementation. On completion of these projects 1,400 MLD (million litres per day) of water will be additionally available for distribution in the next 3 years.

4.3.1. State Plan Schemes

Under State Plan an amount of Rs.62525 lakh was provided as budget outlay during 2020-21 under various heads. For Jal Jeevan Mission (Centrally sponsored Schemes) the total outlay was Rs.800 crore with 50% sharing of Rs. 400 crore each by State and Central. As on 31.3.2021, there were pending bills amounting to Rs.321.30 crore in various heads.

In the financial year 2020-21, under the stateplan head 48 works amounting to Rs.424.9 crore is ongoing under urban area and 60 works amounting to Rs.562.33cr is ongoing in rural areas.

Also under state plan in the financial year 2020-21, 7 works amounting to Rs.11.08cr has been completed under urban areas and 13 works amounting to Rs.127.41cr has been completed under rural areas.

Details of State Plan works during the year 2020-21 is given as **Annexure 17, 18, 19, 20.**

4.3.2. Survey and Investigation

The aim of KWA is to supply water to all parts of Kerala. For this detailed surveys are to be conducted for preparing the shelf of projects. In the financial year 2020-21 an amount of Rs.100 lakh has been allotted under this subhead for preparation of detailed project reports. During 2020-21, 9 works were completed and a total expenditure of Rs.66.56 lakh has been booked.

4.3.3. NABARD Assisted Rural Water Supply Schemes Rural Infrastructure Development Fund

With the loan assistance from NABARD, KWA implement water supply schemes in the rural areas of Kerala. The summary of schemes sanctioned under various ongoing Tranches (XX to XXVII) is shown in the table below.

Year of Sanction	Name of Tranche	No. of Schemes	No. of completed schemes / dropped	Total Project Cost (Crore)
2015	XX	9	8	93.39
2016	XXII	6	3	57.26
2017	XXIII	3	0	85.55
2018	XXIV	4	1	165.52
2019	XXV	3	0	75.57
2021 (As for the FN 2020)	XXVI	2	0	71.54
Total		27	12	548.77

Out of the total 27 projects sanctioned, 5 projects are completed and 4 projects are dropped and 18 projects are ongoing.

Some important works such as Comprehensive Water Supply Scheme (CWSS) to Agali & adjoining Panchayats in Palakkad, WSS to Seethathode Panchayath. & NilakkalPlappally area in Perunad Panchayat etc. were sanctioned under NABARD. WSS to Muttam, Karimkunnam and Kudayathoor Panchayaths & WSS to Melila Panchayaths are the two major sanctioned schemes under Tranche XXVI.

Details of NABARD projects during the year 2020-21 is given as **Annexure 15, 16.**

4.3.4. Manufacturing units for bottled water

The aim of this project is to set up the bottled water plant at Thiruvananthapuram for providing good quality packaged/ bottled water through KWA at reasonable price to public. The total budget allocation for this head in the financial year 2020-21 was Rs.200 lakh. The civil and mechanical works are completed. The bottled water plant has been handed over to KIIDC vide GO.(Ms) No.17/2020/WRD dated 28/02/2020. The total expenditure for the financial 2020-21 was Rs.200 lakh. Now the Plant is being operated and maintained by KIIDC.

4.3.5. Renovation of Existing Civil Structures owned by KWA

The aim of this head under State Plan is to renovate the structures which are in damaged condition due to lack of timely repair, protection and renovation. Annual maintenance of various civil structures like office buildings, treatment plants, intake, water tanks, pump houses staff quarters etc are not being done for the past several years throughout the State due to lack of sufficient funds. So the maintenance of the civil structures is proposed to be done in a phased manner for protecting the assets created and to improve the quality of service. Construction of compound walls around the WTPs, KWA Offices and vacant plots to clearly demarcate the lands owned by KWA so as to prevent encroachment and ingress of anti-social elements is also taken up under this head.

The total budget allocation for this head in the financial year 2020-21 was Rs.300 lakh. With this budget allocation, 31 works including maintenance of office buildings, guest houses, tanks, staff quarters, pump houses etc located in various districts has been completed. Expenditure incurred during the financial year 2020-21 in this head is Rs. 289.08 lakh.

4.3.6. Innovative technologies and modern management practices

The major aim of this head is to improve the services delivery and quality by adoption of new technologies and modern management practices. Some issues which cannot be solved or optimized can be resolved or improved by practicing innovative ideas. By installation of automated networks, installing flow meters, smart meters etc. action for reduction in Non Revenue Water (NRW) could be taken up. The project envisages procurement of bulk meters at all major schemes and to integrate these with SCADA. This head also aims at procurement of leak detection equipments, automation of pump houses, use of dual media for augmentation of WTPs, efficiency study of pumps for improving energy efficiency in pumping etc thus ensuring increase in efficiency of the water supply schemes, reduction in wastage of treated water and increase in revenue.

The total budget allocation for this head in the financial year 2020-21 was Rs.50 lakh. 11 works were completed which include the installation of solar panels in the roof top of KWA building, automation of pump houses, purchase of new and highly sophisticated instruments for the State Quality Control Lab at Nettoor, Ernakulam etc Expenditure incurred for the financial year 2020-21 is Rs.19.08 lakh.

4.3.7. Rehabilitation / Improvement works of urban water supply scheme

The objective of the scheme is achieved of 100% coverage in urban areas. Taking up new schemes in uncovered ULBs and laying distribution systems in schemes where production components are completed. Interim augmentation of Kochi city and adjoining areas is being carried out.

The total budget allocation for this head in the financial year 2020-21 was Rs.5000 lakh. In 2020-21 one major urban scheme completed namely Improvements to WSS to Manjeri - Veetikunnu Ward No. 28,29,30,31 and 32 of Manjeri Municipality. The total expenditure for the financial year 2020-21 made with the fund available was Rs.1894.04 lakh.

4.3.8. Rural Water Supply Schemes

This head aims at improving the water supply to the rural households where many do not have access to safe drinking water through piped water supply. Only about 34% of rural households were having piped water supply at the beginning of 2020-21. More emphasis has been given in this sector with the launch of Jal Jeevan Mission which aims to provide piped water supply to all households by 2024. New rural schemes /completion of ongoing rural schemes, revamping of existing schemes are proposed under this head. An amount of Rs.1000 lakh was provided during 2020-21.

During 2020-21, 3 No. of projects worth 10 crore and above were completed and 3 No. of minor works for improvement of water supply to rural population has been completed. The total expenditure made with allotted fund for the financial year 2020-21 was Rs.7143.20 lakh.

4.3.9. Water Supply Scheme to Specified institutions/locations

This scheme is intended for providing uninterrupted water supply to some Specified Institutions / locations like Medical Colleges, Taluk Hospitals, District Hospitals, Rural schools and other educational institutions, water supply to

Govt institutions like Civil Station compound, prisons, correctional homes etc, This also aims at improving water supply schemes and providing sufficient quantity of drinking water to pilgrims visiting centers such as Sabarimala etc. An amount of Rs.75 lakh was provided during 2020-21. During 2020-21, 3 No. of works were completed.

4.3.10. Modernization of Aruvikkara pumping station

Modernization of Aruvikkara is a prime project to meet the increasing demand of water supply to Thiruvananthapuram city. The major works in modernization aims to replace the old and damaged pumps, motors, civil, electrical and mechanical installations in the Water Treatment plants, Pump houses and substations at 86MLD campus, Chithirakkunnu, Aruvikkara. The main works are satisfactorily completed and the minor works are expected to be completed by December 2021.

The budget allocation for the financial year 2020-21 is Rs.100 lakh and was allotted for settling the bills. The expenditure made for the year 2020-21 is Rs. 632.08 lakh.

4.3.11. Optimization of Production and Transmission

The main objective of the works taken up under this head is to optimize the output in the existing schemes. It is intended to ensure uninterrupted water supply, reduction of water loss due to leakage and breakage and energy conservation. Main works executed include

- Renovation and capacity enhancement of old water treatment plants
- Reducing the distributional loss and to improve performance
- Replacement of old pipes including pumping mains and transmission mains of existing water supply schemes
- Prevent loss of water due to leakage and breakage in various components
- Energy conservation measures
- Rehabilitation of obsolete pumps, motors and Electrical Installations
- Provide pipeline extension to water stressed areas from existing WSS

An amount of Rs.5000 lakh was provided during the year 2020-21. During the financial year 2020-21, 156 works were completed which includes renovation of old water treatment plants, pipe replacement of existing Water Supply Schemes, pipe lines extensions, replacement of obsolete pumps, motors etc. The performances of the schemes were improved and the output was enhanced by such works. The total expenditure for the financial 2020-21 year was Rs.12623.18 lakh.

4.3.12. Source improvement and water conservation

The objective of works undertaken in this head is to ensure that the sufficient water is available in the source in summer / drought season, enhancement of storage capacity at water sources and thereby improving scheme efficiency so as to bridge the seasonal variations in water level. During the period many works for strengthening the source and increasing the storage capacity were done which mainly include construction of check dams and regulators. The improvement works of tube wells, open wells, infiltration gallery, leading channel etc are to be carried out. Protection works to reservoirs, side protection of weirs, check dams are to be provided and repairs to the existing structures are to be done. By this activity, the water stress in summer could be mitigated to a large extent.

An amount of Rs.200 lakh was provided in the year 2020-21 for this head and an expenditure of Rs.24.24 has been made for the year 2020-21. During the year 2020-21, 9 works have been completed.

4.3.13. Drinking water - Drought mitigation

Natural calamities like drought, flood, cyclone have become a recurring phenomenon in our State and every earth water supply infrastructure has to brace itself to face the fury of Mother Nature. The unprecedented drought in 2017 and floods in 2018 & 2019 have provided lessons. Besides natural calamities, emergency situations of calamitous proportions like damages to properties in case of large diameter pipe bursts, damages to water supply installations, water supply to emergency relief camps during natural calamities are also to be taken up under this head. The water supply infrastructure being extremely critical and prone to large scale damages and contingent situations, need a separate head of account for

meeting emergency expenses.

Pipeline extensions to drought hit areas, additional pumping and capacity enhancement during drought period is also included.

KWA faces shortage of tanker lorries to supply water in emergency situations causing difficulty in overcoming the water demand during emergency times. Non-availability of water tankers for emergency services surfaced even during the recent floods in Kerala. Hence tanker lorries also need to be procured for use in emergency situations. An amount of Rs.1000 lakh was provided in the year 2020-21 for this head and an expenditure of Rs.999.90 has been made for the year 2020-21. During the year 2020-21 233 no. of schemes have obtained Administrative sanction and 188 no. of schemes were completed and during the year 2021, 121 no. of schemes have obtained Administrative sanction.

4.3.14. JICA Assisted Kerala Water Supply Project

JICA Assisted Kerala Water Supply Project envisages the implementation of five water supply schemes in Thiruvananthapuram, Meenad, Cherthala, Kozhikkode and Pattuvam for a total estimated cost of Rs.1787.45 crore. As per G.O. (RT) No. 751/2003/WRD dated 19.06.2003, Government of Kerala approved the proposal for awarding the Consultancy contract for the implementation of the JBIC aided Kerala Water Supply Project to the TEC Consortium.

The Consultants have commenced the Consultancy service from 1st September 2003. The project cost have been subsequently revised to Rs. 2987.40 crore vide G.O. (RT) No. 1175/09/WRD dated 20.10.2009. By commissioning the above 5 schemes under JICA, the production has been enhanced by 516 mld. It benefits a population of about 41 lakh in the scheme areas in the 5 districts viz- Thiruvananthapuram, Kollam, Alappuzha, Kozhikkode and Kannur in 2036. The details are given below.

Scheme	Water Treatment Plant capacity (MLD)	Envisaged total population benefitted on completion (in lakh)	Benefitted area
Thiruvananthapuram	74	10.7	Thiruvananthapuram Corporation
Meenad	71	5.26	Paravoor Municipality and 13 Panchayath
Cherthala	107	6.53	Cherthala Municipality and 18 Panchayath
Kozhikkode	174	13.03	Kozhikkode City and 13 Panchayaths
Pattuvam	90	5.3	Thaliparamba Municipality and 11 Panchayaths
TOTAL	516	40.82	

All the five projects have been commissioned and water supply is effected to the beneficiaries. The distribution networks envisaged for Trivandrum, Cherthala and Pattuvam have been completely laid. The rehabilitation works of two WTPs at Thiruvananthapuram are getting completed. For Kozhikkode Scheme and Meenad Schemes, all components except part of distribution system have been completed and schemes partially commissioned.

The distribution works of Kozhikkode Scheme were closed as on 31.03.2020 and distribution works in Meenad Scheme was closed as on 31.12.2020, as per decision of KWA Board held on 03.01.2020. The physical progress during 2020-21 is 22 km distribution main. The balance distribution lines in Kozhikkode and Meenad Schemes are being

arranged through Jal Jeevan Mission. Institutional Strengthening activities mainly comprise construction of Central Control Unit building, installation of bulk flow meters, ERP activities, Asset Management etc. The construction of 10 storied Central Control Unit building has been completed. The installation of bulk flow meters and Asset Mapping works are under progress. The ERP work is being arranged through IT Wing of KWA as per Board Resolution No.10509 dated 07.04.2017.

Sl No.	Scheme	Package	Scope in Km	Total laid up to March 2019	Total laid up to March 2020	Total laid up to March 2021	Laid from March 2020 to March 2021.	Remarks
11	Meenad	3RR1	35	36	80	102	22	Work closed as on 31.12.2020 as per KWA Board Resolution
12	Kozhikkode	P3R1	35	273.26	279.18	279.18	0	Work closed as on 31.03.2020 as per KWA Board Resolution.
33	Kozhikkode	P3R2	50	521.79	554.12	554.12	0	Work closed as on 31.03.2020 as per KWA Board Resolution.

As the JICA loan has expired as on 27.07.2015, and the Consultancy contract was closed with effect from 31.03.2016, budget provision had to be allocated under State Government funding for the balance amount required for completing the project in all respects.

An amount of Rs. 75 crore has been allocated under State Plan for the financial year 2019-20. Out of 75 crore, Rs. 24.47 crore was utilized. A Budget provision of Rs. 10 crore is provided for 2020-21 for the completion of balance works under this project and Rs. 5.83 crore is utilized. A Budget provision of Rs. 7.50 crore is provided for 2021-22 and Rs. 2.60 crore is utilized till 31.08.2021 and balance amount of Rs. 4.90 crore will be utilized by March 2022.

4.3.15. National Rural Drinking Water Programme (NRDWP)

Government of India launched Jal Jeevan Mission (JJM) on 15.08.2019 subsuming NRDWP. Hence there was no separate allocation under NRDWP. During the year 2020-21, the expenditure towards the ongoing schemes under NRDWP was met from JJM allocation. During the year 2020-21, 12 NRDWP schemes benefitting a population of 4,59,893 were completed.

Details of Works of NRDWP during the year 2020-21 is given as **Annexure 25, 26**.

a. Jal Jeevan Mission (JJM)

Jal Jeevan Mission (JJM) project is envisioned to provide drinking water connection to all households in rural areas of the State by 2024. The scheme is being jointly implemented by the Central and State Governments. This project will benefit the rural poor, especially the families in the SC / ST colonies, the families living in the hilly areas where clean drinking water is not yet available, and the women and girls who have to travel long distances daily for drinking water. With the project to be completed by 2024, the State government is implementing the project in the midst of the crisis caused by the Covid epidemic.

Out of the existing 67.15 lakh rural households in Kerala, which is now 70.68 lakh rural household (after Yearly Data Updation), 17.5 lakh households were provided with water supply connection till 01/04/2020. During 2020-21, State could increase the coverage to 21.54 lakh connections as on 31/03/2021. 32.08% rural households in Kerala are provided with functional household tap connections as on 31.03.2021. State could provide 4,04,464 water supply connections to rural households through the mission during 2020-21 in the midst of the crisis caused by the Covid epidemic.

- **Project Progress during 2020-21**

Government issued orders for the implementation of Jal Jeevan Mission through the 3 tier Panchayati Raj system on June 2020. The Annual Action Plan (AAP) for 2020-21 to provide 21.42 lakh household water supply connections was approved in July 2020. The main focus of the plan was on SC / ST dominated villages and areas with quality problems due to excessive presence of fluoride, salinity and iron. 2020-21 AAP also included measures to ensure water availability by revising the status quo of habitations that previously had piped water by strengthening the schemes as needed. It was also planned to provide FHTCs to households by launching new schemes in villages where there are currently no drinking water schemes.

Following the approval of 2020-21 AAP in July 2020, various committee at the Panchayat, District and State levels have been formed and worked hard to implement the plan. The projects are being implemented by the Kerala Water Authority, KRWSA and the Ground Water Department. State Level Inauguration of the Scheme was done by Hon. Chief Minister Shri. Pinarayi Vijayan on 08/10/2020. The State Government has given administrative sanction for projects worth Rs. 6765.25 crore to provide 21.64 lakh connections and related works approved by the District Water and Sanitation Missions in two phases. (Administrative sanction was given on 21/08/2020 for projects worth Rs. 4448.68 crore to provide 16.48 lakh connections and for support activities, water quality monitoring and surveillance. In the second phase, Administrative Sanction was given on 24/12/2020 for projects worth Rs. 2316.57 crore to provide 5.16 lakh connections, connection to 611 Anganwadis and temporary installation of CWPPs in water quality affected areas). Panchayat level daily progress of the project is provided in Kerala Water Authority website for proper monitoring and bringing transparency in project implementation. The public and the people's representatives can access this information at any time through the website. Kerala Water Authority has invited tenders for 1147 works to provide 21.27 lakh connections as on 31/03/2021. Work orders have been issued for 894 works to provide 13.29 lakh connections as on 31/03/2021. 4,04,464 FHTCs have been provided during 2020-21 as on 31/03/2021. Thus State could increase the coverage to 21.54 lakh connections as on 31/03/2021. As on 31.03.2021, 32.08% rural households in Kerala are provided with functional household tap connections. As part of Jal Jeevan Mission, GOI also announced 100 days programme for 100% coverage to rural schools and Anganwadis. Out of the 10981 rural schools and 24713 Anganwadis, 10627 numbers of schools and 23717 numbers of Anganwadis were provided drinking water through tap connections. State has achieved 96.78% coverage in case of rural schools and 95.97% coverage in case of rural Anganwadis during 2020-21.

In addition to providing safe water supply connection to rural households, the programme also implemented water quality monitoring and surveillance activities, support activities to provide information, education and skill development to local community and other stakeholders, campaigning/community mobilization/publicity through visual media/other social media etc. The mission is being implemented on a community approach to water and also include extensive Information, Education and Communication as a key component of the mission.

Details of JJM works during the year 2020-21 is given as **Annexure 7**.

b. Support Activities

As per guidelines 5% of the JJM fund is provided for support Activities. The funding pattern of support activity is 60:40 between Central and State. Under support activities, training, MIS, Third Party Inspection, IEC activities etc. were taken up. During the year 2020-21, an amount of Rs. 2.06 crore was utilised being the Central share and cumulative expenditure for the Support Activities was Rs. 3.28 crore including the Stateshare.

c. Water Quality Monitoring and Surveillance Programme (WQM&SP)

Further, 2% of the JJM fund is provided for Water Quality Monitoring and Surveillance Programme (WQM&SP). Under WQM & SP water quality monitoring of drinking water sources, formation and modernization of water quality testing labs, water quality test using Field Test Kit (Water), obtaining NABL accreditation to the labs etc. are taken up. The funding pattern is 60:40 between Central and State. During the year 2020-21 an amount of Rs.1.61 crore had been

utilized being the Central share for the above programme. The cumulative expenditure including the State share under WQM & SP for the year 2020-2021 was Rs. 2.69 crore.

d. NITI Ayog

NITI Ayog has allotted Rs.19.73 crore to Kerala for providing interim water supply to 73 Fluoride affected habitations in the state as one time additional (OTA) central assistance. It is envisaged to ensure 8 to 10 lpcd safe drinking water by installing Community Water Purification Plants (CWPP) in the Fluoride / Arsenic affected habitations as an interim measure. In Kerala there are no Arsenic affected habitations.

Kerala water Authority has proposed R.O Plants and feasible pipeline extension from nearby safe sources in the affected habitations utilising NITI Ayog allocation. Accordingly Kerala Water Authority has provided safe water on a permanent basis in 68 Fluoride affected habitations by providing pipeline extension from treated sources. As per the status as on 31.03.2020, 5 Fluoride affected habitations are remaining to be covered. All the remaining Fluoride affected habitations will be covered during 2021-2022.

4.3.16. ADB Assisted Kerala Urban Water Supply Improvement Project –KUWSIP (EAP)

KUWSIP aims at improving the water supply in Kochi and Thiruvananthapuram Corporations by rehabilitating the old production components and the network, there by achieving 24x7 supply in the above areas by considerable reduction of NRW and overall improvement of efficiency. The existing production facilities are a generation old and need rehabilitation of similarly the network is leaky and results in a high NRW-The MIS also is to be strengthened.

An amount of Rs.1000 lakh was provided in the year 2020-2021 for this head and no expenditure has been made for the year 2020-2021.

4.3.17. The activities under Comprehensive IT Solution, E-Governance, GIS and Information Management

The main activities under this head are listed below.

- eAbacus – the Enterprise Billing Application having online transaction processing system used for consumer management of Kerala Water Authority have been rolled out to all subdivision offices and section offices and currently holding a consumer population of 32 lakh consumers. 100% consumers of KWA is brought under the system. It is a remarkable milestone. As a part of revamping the existing Billing Application, an URS has been prepared after collecting feedbacks, requirements from all levels of staffs from field staff up to Chief Engineers. Work of revamping the billing application is progressing.
- Comprehensive IT solution in KWA involves system study, preparation and approval of software requirement specification documents, procurement of licenses and hardware, development of Relational Data Base Management System, system integration etc. Development of comprehensive IT solution is progressing by in house programmers.
- A Geographic Information System (GIS), an important tool, is just one of the many tools needed to supply managers with the information required to make decisions that will have a significant impact on the utilities' ability to provide the services demanded by their customers. Spatial data is vital to Kerala Water Authority's (KWA) water distribution system management. Geospatial solution will help to keep track of data related to all aspects of the organization including Network assets, Operation & Maintenance, customers, and financial records. The purpose of the establishing an GIS cell is to enable the Kerala Water Authority to prepare, update and manage the Water distribution assets and related resources in a common repository. This would help KWA in planning, operational and developmental decision making, Asset management, Work Order and Request Management, Reporting etc.

As part of ring fenced analysis of Schemes 100% of connections are mapped to corresponding schemes. This enables the production V/s distribution, quantum of losses in schemes, calculation of non-revenue loss, break even analysis, costing etc on water supply schemes.

The following IT initiatives are launched during this year.

- Revamped KWA website
- E-filing System
- SMS Alert Services
- Contractor License Management System
- Aqualoom- Complaint Redressal System for KWA
- Service Interruption Information System
- POS Machine Integration
- ePay for Water Testing
- Bank Transfer Tracking Portal
- Consumer Portal
- Digital Library
- GIS based Optimal site selection for Sewerage plant
- Hardware Inventory Management System

The main activities are

- Leased line and internet connectivity management
- Purchase of network components, Server
- Supervising Annual Maintenance Contract for up keeping od computers, printers, servers, network components, photocopier etc
- Availing support for DDFS, MARCH, O&M, LIMS softwares.
- Development of in-house software for various wings of KWA
- Change management of in-house developed softwares.
- Support for video conferencing

4.4 Sewerage Schemes of KWA

Kerala Water Authority has the mandate for collection and disposal of waste water. The same has been carried out only in Thiruvananthapuram and in Kochi Corporations to some extent. As fund for taking up new projects and to cover new areas are limited, presently the main activities taken up under this head include enhancement of undersized lines to the desired size, to repair damaged manholes so as to avoid overflow of sewage, to provide sewerage facility to areas by minor extensions where no other source of sewerage disposal system exist. In order to overcome the threat of environmental damages, adequate attention is essential for strengthening the existing sewerage system. The need for more focused attention in sewerage sector is essential. The fund required, public protest against sewage plants / pump houses, delay in getting land, sanctions for road cutting etc are some issues that has to be addressed for taking up sewerage projects. It is envisaged to take up new small scale projects taking 2 to 3 wards as a cluster and provide small decentralized treatment plants of various capacities to treat sewerage upto 20mld using latest technologies incorporating the reuse of treated effluent as specified by National Green Tribunal.

Maintenance and upgradation of the existing plant and sewerage network is also a necessity. The lack of sewerage system is causing serious issues to the water environment. Many studies have come out with shocking evidence of wide spread microbiological contamination of wells. The surface and groundwater quality is also deteriorating at an alarming rate. The water bodies and canals in most cities and towns have become black septic with strong stench. The recurrence of epidemics and contagious diseases as an aftermath of poor or nil waste water treatment and disposal is possible. It is high time that the sewage collection and disposal particularly in large cities is taken up seriously in the back drop of alarming degradation of water environment. For small schemes, land is to be made available and awareness is to be generated among the public regarding the necessity by the local bodies for sewerage/septage work to be taken up.

Being the agency for ensuring sewerage services and to cope with the emerging need of sewage management as per the orders of NGT, a Sewerage Vertical wing has been created in KWA with Chief Engineer, Sewerage, PPD& WASCON as its head. The erstwhile Sewerage Circle office at Kochi with a Superintending Engineer, one Executive Engineer and two Assistant Executive Engineers has been now attached to this. In addition to this, the three circle offices

of PPD Wing have also been designated to function as respective Sewerage Circle offices at Thiruvananthapuram, Kochi and Kozhikode, in addition to the existing duties.

Superintending Engineer, Sewerage Circle, Thiruvananthapuram is having the jurisdiction of three districts; Thiruvananthapuram, Kollam and Pathanamthitta. PPD Camp offices of these districts are now having additional duties of Sewerage. Similarly, Sewerage Circle office at Kochi is having the jurisdiction of 4 districts; Ernakulam, Kottayam, Alappuzha and Idukki. Sewerage PPD Regional Office at Ernakulam has been re designated as Sewerage Circle, Thrissur and is entrusted with the Sewerage responsibilities of Thrissur, Palakkad and Malappuram districts. Sewerage activities of the districts of Kozhikode, Wayanad, Kannur and Kasargod is entrusted with the Sewerage Circle office, Kozhikode.

Investigation, planning, design and DER preparation of Sewerage projects is being taken up in this wing. The total budget allocation for this head in the financial year 2020-2021 was Rs.800 lakh. During 2020-21, 17 works which includes replacing the old sewer lines, extension of sewerage network, rehabilitation of old manholes, construction of new manholes etc. The total expenditure for the financial year 2020-21 was Rs.742.13 lakh.

4.5. Works under other heads

In addition to above, KWA executes projects under KIIFB and AMRUT also. Most of the works taken up under JNNURM and UIDSSMT with GoI funds earlier has almost been commissioned. The JICA loan assistance has also been closed. More allotment from the State is required for commissioning the projects as per schedule, as fund flow in projects is affecting the progress.

The works being undertaken other than State Plan schemes are KIIFB, AMRUT, UIDSSMT, JNNURM, & RKI. In addition KWA also executes water supply projects of various departments as deposit works. A brief note on works under taken in the above heads is given below.

4.6. KIIFB

Government of Kerala had accorded In-principle Sanction for 72 drinking water projects of KWA and KIIFB had so far accorded Sanction and Approval for funding for 71 projects for an amount of Rs.4453.745crore.

Under KIIFB funding 2016-2017, a total of 23 water supply projects for an amount of Rs.1257.1 crore are being implemented in 68 packages. Out of these, 59 packages have been tendered and are under various stages of execution and 34 packages have already been completed. The remaining packages include electro-mechanical items and those require land acquisition.

In addition to this, 11 projects under 'Replacement of old Transmission mains in 11 circles' have been approved by KIIFB for an amount of Rs.407.61crore. The works in 11 circles are under various stage of execution.

Under KIIFB 2017-18, GoK had accorded in-principle sanction for 35 projects and KIIFB had accorded Sanction and Approval for funding for 35 projects amounting Rs. 2468.616 Cr. and remaining 1 project is under KIIFB appraisal. These projects are being implemented in 94 packages. Out of these 90 packages, 60 packages have been tendered and are under various stages of execution and 11packages are already been completed. The remaining packages require land acquisition.

Under KIIFB 2018-19, GoK had accorded in-principle sanction for 2 projects and KIIFB had accorded approval for funding for 2 projects amounting Rs.320.41 crore. These projects are being implemented in 10 packages. Out of these 10 packages, 2 packages have been tendered and agreement has been executed for these 2 packages.

Details of KIIFB Projects during the year 2020-21 is given as **Annexure 6**.

4.7. AMRUT (Atal Mission for Rejuvenation and Urban Transformation)

KWA is entrusted to execute projects under Atal Mission for Rejuvenation and Urban Transformation (AMRUT) in Water supply and Sewerage for 9 cities in Kerala. The KWA – Water Supply projects spread across 6 Corporations (Trivandrum, Kollam, Kochi, Thrissur, Kozhikode and Kannur) and 3 Municipalities (Alappuzha, Guruvayur and Palakkad). KWA is executing sewerage works under AMRUT in Trivandrum, Kollam and Kochi Corporations. The

funding pattern is such that the total project fund is divided among Central, State and respective ULBs, as 50: 30: 20 share respectively. KWA is executing 173 water supply works (Rs.1127.2 crore) and 116 sewerage works (Rs.318.3 crore) in the above cities for total administrative sanction of Rs.1445.5 crore.

The Water Supply works under AMRUT includes construction of WTPs, OHSRs, laying new pipelines, replacing damaged pipe lines, installation of smart meters, flow meters, providing new house connections etc. Sewerage works executed by KWA under AMRUT in Trivandrum includes rehabilitation of existing networks and damaged pumps, providing new network in the missing areas, construction of new pump houses, laying pumping mains, transmission mains, sludge drying unit at STP, Muttathara, decentralized 5 MLD STP at Medical College, Trivandrum in addition to 12 MLD STP at Kureepuzha in Kollam Corporation and 5 MLD STP AT Elamkulam at Kochi Corporation.

Kerala Water Authority has tendered works for Rs.1345.87 crore and out of this, works for Rs.1277.2 crore has been arranged. Out of the arranged works, works for an amount of Rs.429.78 crore has been completed so far and balance works are in different stages of execution. The up to date expenditure comes to Rs.783.253 crore.

Project period of AMRUT is five years from the financial year 2015-16 to 2019-20. The mission period has been extended to 31.3.2022. Hence Kerala Water Authority focuses to complete all the projects sanctioned under AMRUT within the mission period so as to ensure access to reliable water supply services of approved standards of quality and reliable sewerage services to every household in the AMRUT cities by March 2022.

Details of AMRUT Projects during the year 2020-21 is given as **Annexure 8, 9, 10.**

4.8. RKI (Rebuild Kerala Initiative)

There are seven new water supply projects sanctioned under RKI for an AS Amount of Rs.182.6 crore. They are Improvement of WSS to Cheranalloor Panchayat, Distribution network for RWSS to TV Puram Panchayat, WSS to Kaduthuruthy and Adjoining Villages, WSS to Erumeli Zone (I, III&V Part) Distribution System, WSS to Pavaratty&Mullassery Panchayaths in Chavakkad Taluk-Phase 2, CWSS to Sulthanbathery Municipality, Noolpuzha and Muttil Grama Panchayat in Wayanad District, WSS to Erumeli Panchayat-Laying Distribution system in Zone 4 – Kanakapallam. Administrative sanction has also been received for an amount of Rs. 8 crore during 2020-21 for "Preparation of DPR for rehabilitation of existing system and providing Sewerage/Septage management system for Thiruvananthapuram Corporation" and Rs.30 lakh for conducting the energy audit of the pumping stations maintained by KWA. All the KWA- RKI works are in different stages of execution.

Status of works under RKI during the year 2020-21 is given as **Annexure 24.**

4.9. Urban Infrastructure Development Scheme for Small and Medium Towns (UIDSSMT)

Urban Infrastructure Development Scheme for Small and Medium Towns (UIDSSMT) was launched for improvement in urban infrastructure including water supply in towns and cities in a planned manner. The implementation of the scheme is done by the respective Urban Local Bodies (ULB) – Municipalities for which the funds will be released to Urban Local bodies according to requirement. In order to execute the projects smoothly a Tri-partite agreement is signed between the respective Municipality, Kerala Water Authority, and Department of LSGD. As per this MOU a city level Technical Advisory Group is formed for respective Municipalities.

Funding pattern is Central: 80%, State 10% and ULB 10%.

Details of UIDSSMATongoing works during the year 2020-21 is given as **Annexure 22.**

4.10. Jawaharlal Nehru National Urban Renewal Mission (JNNURM) Projects

Government had accorded sanction for projects in water supply and sewerage sector for Thiruvananthapuram and Kochi Corporations of Kerala under JNNURM. In order to execute the projects a Tri-partite agreement between the respective Corporation, Kerala Water Authority (KWA), Department of LSGD was signed on 01/11/2007. The implementation of the scheme is done by KWA on behalf of the respective Urban Local Bodies (ULB), for which the funds will be released to ULBs according to requirement. A city level Technical Advisory Group was formed for both Corporations.

The JNNURM water supply project in Kochi has been commissioned and in Thiruvananthapuram the work has almost been completed. The ADB assisted sewerage works being executed in Kollam, Kozhikode, Kochi and Thiruvananthapuram has not been completed and the funding agency has withdrawn from the project. As the schemes have not been commissioned fully and the funding agency has withdrawn / wind up, it is necessary to evolve procedure for future course of actions. For solving the pending issues in connection with JNNURM, UIDSSMT and KSUDP works a State Level Technical Committee (SLTC) was constituted. Initially it was convened by State Mission Management Unit (SMMU). Now the Committee is convened under Kerala Water Authority, Technical Member as Chairman. For solving the pending issues different meetings were done and a State Level High Powered Steering Committee (SHPSC) was also constituted at Govt. level chaired by the Chief Secretary.

The abstract of works undertaken under JnNURM during the year 2020-21 is given below.

Sl. No.	Name of City and Scheme	AS in Crore of Rupees	Project Components
1	JNNURM-Water Supply Scheme to Trivandrum	87.16	Distribution Lines, Rehabilitation of distribution system
2	JNNURM-Sewerage Scheme to Trivandrum	215.41	Sewage treatment plant, pump house and sewer mains

Details of JNNURM Ongoing works during the year 2020-21 is given as **Annexure 21**.

4.11. Human Resource Development, Research & Development and Quality Control

The engineers and other staff need to be updated and equipped with modern Project Management practices and tools for the timely execution of large projects and subsequently maintain new high-tech systems. KWA is aspiring to be customer friendly, quality conscious, sustainable water utility and change management initiatives are underway. Continuous training is a key requirement to equip the entire cross section of KWA employees for the times ahead and to face challenges.

A major achievement in the financial year 2020-21 is that 62 in house and outstation training courses were conducted in which 2154 participants participated. Due to COVID 19 pandemic and related Government Orders, there were severe restrictions in classroom/residential trainings, workshops, seminars and related activities. Training Hostel was taken over by Revenue Authorities for activities related to control of COVID 19. Online Training was started and widely conducted during the financial year 2020-21.

The total budget allocation for this head in the financial year 2020-21 was Rs.100 lakhs. The total expenditure for the financial year 2020-21 was Rs.28.40 lakh.

4.12. Deposit Works

Under decentralized planning Kerala Water Authority undertakes deposit works from local bodies and other departments. Most of these works are line extension proposals and mini schemes.

KWA also execute works based on the funds received from Kerala State Coastal Area Development Corporation, Minority Department, SC / ST departments, MLA-ADS fund, MP fund and other agencies for supplying water to more areas and benefiting more population.

District wise category of Schemes in Operation – Southern Region is given as **Annexure 2**.

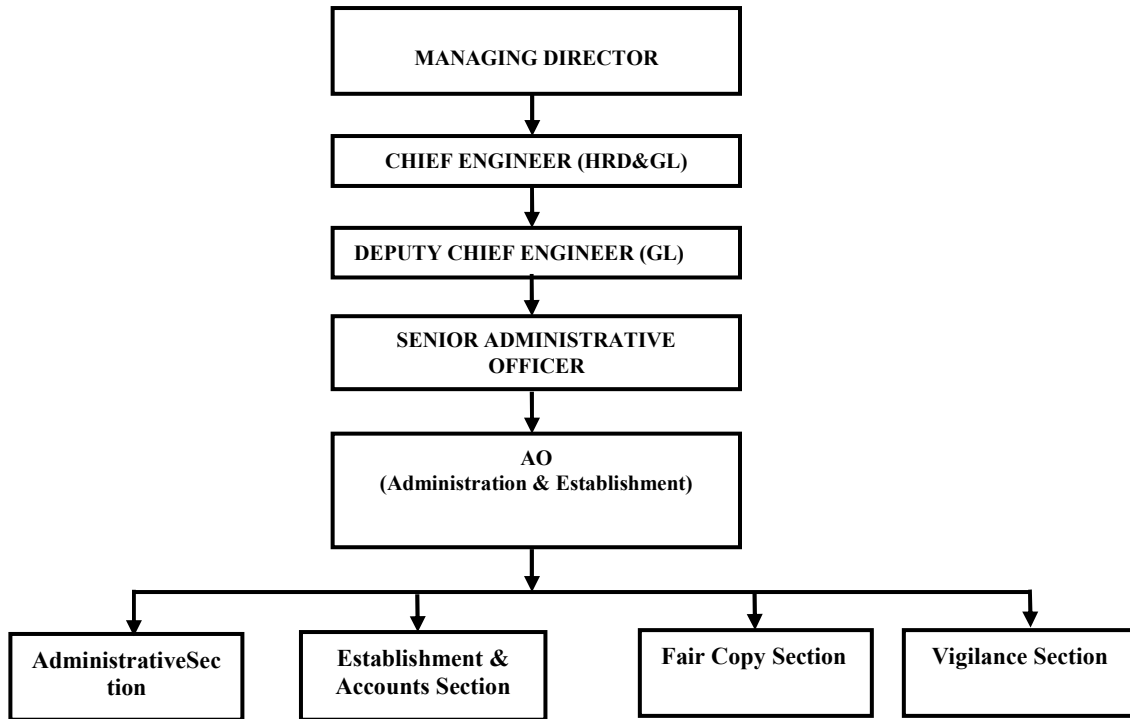
District wise category of Schemes in Operation – Central Region is given as **Annexure 3**.

New projects have been sanctioned under KIIFB, RKI in addition to projects being taken up under State plan and NABARD. During the financial year 2020-21 no new project were sanctioned under NRDWP & AMRUT. The main heads sanctioned under State Plan and the budget outlay in each head in 2020-21 is listed below.

The main heads sanctioned under State Plan and the budget outlay in each head in 2020-21 is listed as **Annexure 1**.

District wise category of Schemes in Operation – Northern Region is given as **Annexure 4**.

Chapter V ADMINISTRATIVE WING



Administrative Wing in Head Office is mainly dealing with Human Resource Management. The database regarding all categories of employees and officers (Ministerial & Technical) and appointment, its sanctioned post and promotion avenue as per special rules in force are kept almost up to date and tidy.

The normal functions include.

- 1) Formulation and amendment of Act, Rules, Regulations, Duties & Responsibilities, Delegation of powers of Employees etc.
- 2) Effect changes in organizational structure as and when needed for efficient hierarchical management. This also include formation of new offices and abolition or merger of existing offices as resolved by the KWA Board.
- 3) Reporting vacancies of entry cadre posts to the Kerala PSC and identifying posts for in service promotion as per provisions in rules.
- 4) Issuing appointment orders as per advice of PSC as well as By Transfer appointments as per Rules.
- 5) Regularisation of appointments after obtaining Police Verification report and PSC Certificate Verification in respect of each candidate as per Government Orders in force.
- 6) Extension of period of probation in deserving cases and issuing orders of declaration of completion of probation with respect to designated posts.
- 7) Preparing seniority lists in each cadre, Higher Grade ratio promotions and non-cadre promotions to designated posts as per existing rules and Government Orders.
- 8) Effecting promotions in each cadre in two ways.
 - a) According to seniority and eligibility as per rules to the superior posts of same cadre.
 - b) According to merit and ability ascertained by the Departmental Promotion Committee after scrutiny of Confidential Reports of candidates to the posts borne in Officer cadre.

- 9) The most important tool in managerial control is the allocation of employees to different posts according to suitability of incumbent to particular post. Transfer and postings are done in a transparent manner strictly adhering to the general transfer norms issued by Government and public interest.
- 10) Communication with government on all policy matters affecting the institution is being dealt by Administrative Wing.
- 11) Preparation and submission of agenda before the KWA Board related with Administration and Establishment matters in respect of the firm and employees.
- 12) High Court cases, Human Right Commission cases, Industrial dispute cases and Right to Information Act etc. regarding establishment matters are dealt with by Administrative Wing.
- 13) The service and wage conditions of employees and officers are being managed by the Authority through this establishment in accordance with Rules and Government Orders.
- 14) Vigilance Wing attached to Administrative Wing engages with petitions of the Public, Unauthorized absent cases and disciplinary proceedings as per approval of Vigilance committee Recommendations.

Administrative Wing in Head Office Constituted under Accounts Officer (Administration & Establishment) includes five Parts.

1. Administrative Matters of all category of employees in KWA
2. Establishment Section (Employees under Head Office)
3. Accounts Section (All Accounting procedure in HO)
4. Fair Copy Section
5. Vigilance Section

Administrative Wing comprise One Senior Superintendent, One Junior Superintendent and Twelve Clerks, Two Office Attendants

Establishment and Accounts Section comprise One Senior Superintendent, One Junior Superintendent and Six Clerks Two, Office Attendants

Fair Copy Section Comprise Two Fair Copy Superintendents, Six Typists and Inward & Despatch Section Comprise Four Clerks, Two Office Attendants.

Vigilance Section comprises of One Senior Superintendent and two Clerks.

More details under Vigilance Section during the year 2020-21 is given as **Annexure 23**.

Chapter VI

JICA ASSISTED KERALA WATER SUPPLY PROJECT

About JICA and KWSP

The Government of India received an Overseas Development Assistance (ODA) loan from the Japan International Cooperation Agency (JICA) during 1996-97 towards the implementation of the Kerala Water Supply Project (KWSP) in the state of Kerala.

JICA is part of Japan's official development assistance effort, with a role in providing technical cooperation, capital grants and yen loans. JICA's core development programs (aid modalities) are technical assistance programs/ projects for capacity and institutional development, feasibility studies and master plans.

JICA was first known as OECD (Overseas Economic Co-operation and Development) and then as JBIC (Japan Bank for International Co-operation).

Objective

The JICA Assisted Kerala Water Supply Project mainly comprised a package of five stand-alone Water Supply Schemes in the State of Kerala. The project is targeted to ensure drinking water supply to about 4.1 million population. The main objective of the project was to Construct, Augment and Rehabilitate the water supply systems of:

- Thiruvananthapuram City Region
- Meenad (1 Municipality and adjoining 13 Panchayats in Kollam Dist.)
- Cherthala Municipality and adjoining 18 Panchayats (Alappuzha Dist.)
- Kozhikode City Region and adjoining 16 Panchayats
- Pattuvam (1 Municipality and adjoining 11 Panchayats in Kannur Dist.)

The project was targeted to provide drinking water supply to about 41 lakh population in the 5 districts of Kerala. In addition, the project included a number of components for Institutional Strengthening of Kerala Water Authority.

The installed capacity of all the schemes put together comes to 516 MLD. There are 76 new Ground Level and Over Head Service reservoirs in the five schemes with an overall storage capacity of 232.96 million litres. Total length of raw water and clear water mains is 442 km and length of distribution main envisaged was 4490 km with additional strengthening proposed later utilizing other funds.

In accordance with the Loan Agreement, M/s. Tokyo Engineering Consultants' Consortium (TECC), Japan, was appointed during June 2003 as the Project Management Consultants for the implementation of the project, following JICA guidelines. TECC consisted of a consortium of 5 companies, namely, Tokyo Engineering Consultants Co., Ltd., Japan (Lead Partner); Black and Veach International, UK; Poyry Environment GmbH, Germany (Formerly GKW Consult), Shah Technical Consultants Pvt. Ltd., Mumbai and Centre for Environment and Development, Thiruvananthapuram.

The Project components, including their number, sizes and extent, in nutshell are given in Table below.

Particulars	Unit	Thiruvananthapuram	Meenad	Cherthala	Kozhikode	Pattuvam
Intake and Pumping	Job	1	1	1	1	1
Raw Water Transmission Pipeline	km	0.3	1.6	21	0.5	11.5
Water Treatment Plant	MLD	74	71	107	174	90
Treated Water Transmission Mains	km	41	80	81	123	82
Distribution System	km	388	963	663	1853	623
Service Reservoirs	-	-	-	-	-	-
OHSR	No.	6	9	18	10	12
GLSR	No.	5	5	-	10	1
Total capacity	ML	55	25	36	85	29
Rehabilitation of existing System	Job	1	-	-	1	-
Institutional Strengthening	Job	Over 10 components under procurement of equipment, procurement of services, wide area networking, Non-revenue Water management, Central Control Unit Building etc.				

The various construction works have been packaged for contracting purposes as follows.

Package – I	Intake, Raw Water Pumping Main and Water Treatment Plant
Package – II	Clear Water Transmission Mains
Package – III	Distribution System
Package – IV	Service Reservoirs
Package – V	Rehabilitation works for Thiruvananthapuram and Kozhikode schemes

Funding

The Japan International Co-operation Agency (JICA) provided the funds as loan for the project implementation, but about 15% of project cost was to be met as share by the Govt. of Kerala, inclusive of all land acquisition costs and taxes. Loan Agreement for the project was between the GoI and JICA. The GOI was the borrower and KWA was the executing agency for the Project. M/s Tokyo Engineering Consultants' Consortium (TECC) was appointed as the Design and Construction Supervision Consultant, as laid down in the loan agreement. As for JICA Loan portion, the Project is funded under time-slice approach and 3 tranches of loan had been availed as follows.

Loan No.	Loan Amount, JPY Million	Rate of Interest	Remarks
ID-P 123	11,997 million	2.10%	Loan closed in June 2008 for JPY 11,822 million. (Rs. 423.35 crore)
ID-P 184	32,777 million	1.30%	Loan closed in March 2013 for JPY 29,595 million. (Rs. 1427.35 crore)
ID-P 203	12,727 million	1.20%	Loan closed in July 2015 for JPY 5652 million (Rs. 366.04 crore)
Total	57,501 million		2216.74 Crore

The period of repayment of each tranche is 30 years, including 10 years of grace period.

Amount of funding and ratio of funding

The total cost of the project had been estimated as Rs. 1787.45 crore in 1996 which was subsequently revised to Rs. 2987.40 crore in 2008. Out of this up to Rs. 2,664.70 crore could be the loan portion to be funded by JICA and the remaining amount is the Govt. of Kerala share.

Loan No.	1st tranche	2nd tranche	3rd tranche
	ID-P 123	ID-P 184	ID-P 203
Total project cost	JPY 56127 million	JPY 65263 million	JPY 75150 million
	Rs. 1787.45 crore	Rs. 2589.90 crore	Rs. 2987.4 crore
JICA loan	JPY 47708 million (1996 Estimate)	JPY 54529 million (2006 estimate)	JPY 58171 million (2008 estimate)
	Rs. 1519 Crore	Rs. 2164 Crore	Rs. 2664.7 Crore
State Share	Rs. 268 Crore	Rs. 426 crore	Rs. 322.7 crore
Loan Sanctioned	JPY 11997 million (Rs. 476 crore)	JPY 32777 million (Rs. 1301 crore)	JPY 22444 million (Rs. 901.4 crore)
Date of Agreement	25.02.1997	30.03.2007	31.03.2009
Interest rate	2.1%	1.3%	1.2% with 0.1% commitment charge on the unused balance of loan every six month
Exchange rate JPY to INR	3.14	2.52	2.49

The JICA loan for the project was closed on 27.07.2015 considering the time lapse and the total loan availed till closure was Rs. 2216.74 Crore. Thereafter, the project was continued under State Plan and the up to date expenditure incurred as on 31.03.2021 is Rs. 2652.62 Crore. The Government of India is repaying the loan.

Period of Operation

The JICA project was designed considering a project period of 30 years divided into 2 phases - the Phase I was up to 2021 and Phase II was till 2036. The JICA funding was for Phase I only. In Phase II, the works envisaged are expansion of the distribution system and execution of expansion of water treatment plant capacities in Trivandrum and Kozhikode Schemes. Of these, the works in Trivandrum WTP was already taken up and completed under AMRUT project and distribution system was taken up under JNNURM project. For Cherthala and Pattuvam, the extension of distribution is already envisaged. The other remaining works in Kozhikode is overdue for arrangement.

Progress Status

The details of completion and progress status of all the contracts are given below.

Scheme	Package I	Package II	Package III	Package IV	Package V
Trivandrum	Completed	Completed	Completed	Completed	**90% Completed.
Meenad	Completed	Completed	*75% Completed. (Contract closed)	Completed	NA
Cherthala	Completed	Completed	Completed	Completed	NA
Kozhikode	Completed	Completed	*70% Completed. (Contract closed)	Completed	Completed
Pattuvam	Completed	Completed	*Completed	Completed	NA

* The contracts for distribution system (P III) of 3 schemes (Meenad, Kozhikode and Pattuvam) were awarded to a single contractor M/s. K. Ramakrishna Contractors Pvt. Ltd., Hyderabad, but they didn't do the works even after giving a prolonged extension of time. Finally the work had to be terminated and rearranged at risk and cost. This brought in so much additional works such as valuation of executed works, transfer of procured materials etc., preparation of as-built drawings and estimates and bid documents for new tendering.

**The rehabilitation package (Package V) of Thiruvananthapuram Scheme is terminated and rearranged due to breach of contract.

Under Institutional Strengthening Component, all works are completed except Asset Mapping and Installation of Bulk flow meters. All the ERP related works were transferred to IT wing of KWA under CE(HRD&GI) vide KWA Board resolution no. 10247, resolved in the 382nd meeting on 17.12.2015.

The financial progress is as given below.

Scheme	Package I	Package II	Package III	Package IV	Package V
Trivandrum	100%	100%	95%	100%	80% Completed.
			Final bill under scrutiny		

Meenad	100%	99.85%	85%. Final bill under scrutiny	100%	NA
Cherthala	97%	100%	100%	100%	NA
Kozhikode	100%	100%	53%. Final bill under preparation	100%	100%
Pattuvam	100%	99%	100%	100%	NA

Cumulative Revenue

No separate policy is made applicable for the JICA project. The revenue model is the same as for other schemes and revenue is collected without making any distinction among schemes.

The annual revenue reported by field officials are given below:

Year	Trivandrum	Meenad	Cherthala	Kozhikode	Pattuvam	Revenue per Annum (Rs. in Cr)
2010-11	6.71					6.71
2011-12	6.71	0.013				6.723
2012-13	6.71	0.033	5.56		0.05	12.353
2013-14	6.71	0.052	2.63		0.17	9.562
2014-15	6.71	1.08	4.77	1.77	0.22	14.55
2015-16	6.71	1.91	4.04	7.43	2.59	22.68
2016-17	6.71	2.36	6.9	12.01	3.07	31.05
2017-18	6.71	3.23	7.53	15.68	2.89	36.04
2018-19	6.71	4.48	7.17	20.13	3.45	41.94
2019-20	6.71	4.16	8.53	18.54	4.24	42.18
2020-21	19.22	3.27	8.63	27.91	4.71	63.74
Total Revenue (in Cr)	86.32	20.59	55.76	103.47	21.39	287.528

The cumulative revenue from JICA Assisted KWSP till 31.03.2021 is Rs. 287.53 Crore. There is no investment benefit analysis, except for the cost benefit analysis presented to JICA, during initial evaluation. But it was based on cost of water to match cost of production.

Reasons for projects being incomplete

The implementation of the project started in Sep. 2003 with the appointment of Tokyo Engineering Consultants Consortium (TECC) Consultants. The detailed design and tendering works took a time of 2-3 years (until 2006-07) for different contract packages and then the construction activities began. The construction period was set initially as 2 years only. But due to vast scope of works, some new land acquisition proposed while reviewing project feasibility reports, delay in obtaining permission from various line agencies such as Railways, National Highways, Forest, Public Works Department etc. of the Central and State Governments, each works contract suffered delay in various amounts, in addition to several delays attributed to the contractors.

The contracts for distribution system of 3 schemes (Meenad, Kozhikode and Pattuvam) were awarded to a single contractor M/s K. Ramakrishna Contractors Pvt. Ltd., Hyderabad, but they didn't do the works even after giving a prolonged extension of time. Finally the work had to be terminated and rearranged at risk and cost. This brought in so much additional works such as valuation of executed works, transfer of procured materials etc., preparation of as-built drawings, preparation of estimate and bid documents for new tendering. The rearranged distribution works of Pattuvam Scheme were completed. For Kozhikode Scheme the works were closed as on 31.03.2020 as per KWA Board Resolution dated 03.01.2020. For Meenad Scheme, the rearranged works had to be terminated and rearranged again and short closed as on 31.12.2020 as per KWA Board Decision.

Most of the works viz. Packages 1, 2 and 4 were completed by 2011/12. All the five schemes are operational now except for the following (i) part of Distribution networks of Kozhikode scheme (ii) Rehabilitation works of existing water treatment plants of Thiruvananthapuram and (iii) A few components like Asset Mapping and Installation of Bulk flow meter under Institutional Strengthening Component.

The loan for the project was closed by JICA on 27.07.2015 and the residual cost for balance works is being met under State Plan vide Govt letter dated 31.03.2021. As on date Rs. 129.57 crore expended as state plan.

The Consultancy contract with TECC was terminated with effect from 31.03.2016. After closure of Consultancy services, the responsibility of Operation and Maintenance of completed assets under this project and execution of balance works were vested with existing/ newly formed KWA regular/ project offices by rearranging the organizational set up of regional JICA offices established for the implementation of the project. The implementation of Rehabilitation Works of Trivandrum and Kozhikode had been transferred to regular division earlier on award of works to the respective contractors.

Head of the work: JICA Project
Name of the work: JICA Assisted Kerala Water Supply Project
Cumulative Expenditure till 31.03.2021: Rs. 2652.62 Cr
Expenditure during the year 2020-21: Rs. 5.83 Cr

Status of the work as on 31.03.2021

The major components of all the five schemes under the project have been completed for production, transmission and storage of treated water viz, intake, raw water pumping/ gravity mains, transmission systems and service reservoirs. The total installed capacity of all five 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 or sludge blanket clarifier technology 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. 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 the distribution of treated water.

All the projects except part of the distribution system in Meenad and Kozhikode and Rehabilitation of two WTPs at Thiruvananthapuram have completed and commissioned. Out of 4490 km of distribution lines envisaged in the five schemes, about 4104 km has been laid and remaining to be laid is 386 km (Kozhikode: 352 km and Meenad: 34 km). The distribution networks envisaged for Trivandrum, Cherthala and Pattuvam have been completely laid.

The Institutional Strengthening (IS) component of KWSP covers various aspects such as Central Control Unit, procurement of equipment, procurement of services, network & connectivity, servers & storage infrastructure. The work of Central Control Unit which comprise of a 10 storied building is completed and made functional. The main components pending completion under IS are Asset Management and installation of flow meters.

Project Progress

Sl. No.	Schemes	Planned Progress %	Achieved Progress %
1	Thiruvananthapuram Scheme	100	98
2	Meenad Scheme	100	98
3	Cherthala Scheme	100	100
4	Kozhikkode Scheme	100	96
5	Pattuvam Scheme	100	100

Physical progress achieved as on 31.03.2021

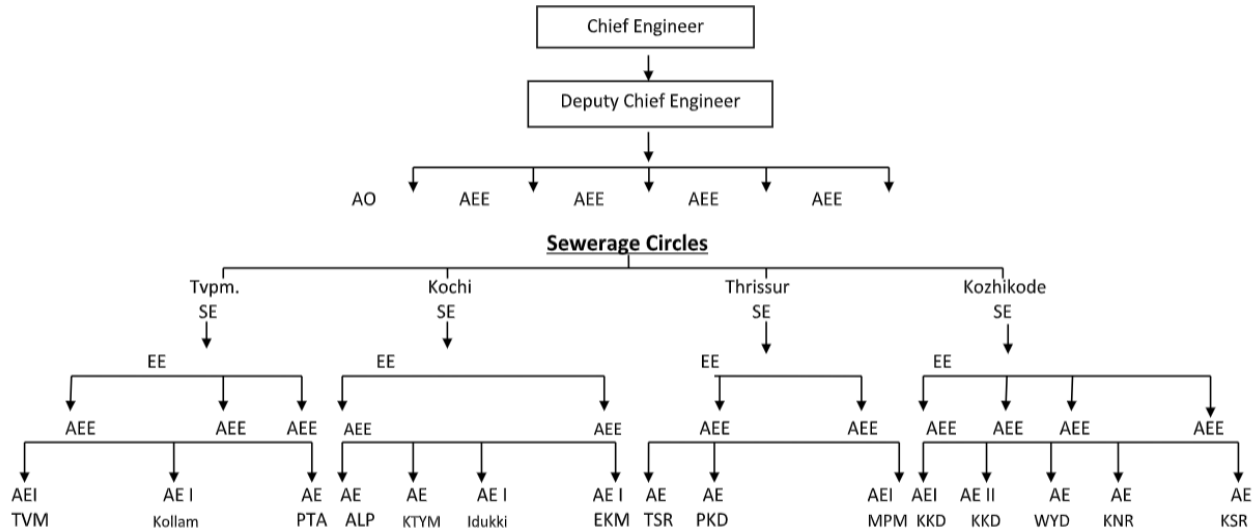
Scheme	Package	Description	Status of completion	Remarks
Thiruvananthapuram	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Thiruvananthapuram	II	Treated Water Transmission Pipeline	100%	Completed
Thiruvananthapuram	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII –R1
Thiruvananthapuram	IIIR1	Distribution Systems- Balance works	100%	Completed
Thiruvananthapuram	IV	Service Reservoirs	100%	Completed
Thiruvananthapuram	V	Rehabilitation Works of Existing System	95%	Work terminated due to breach of contract and rearranged
MND	I	Intake, Raw Water Pipeline and WTP	100%	Completed
MND	II	Treated Water Transmission Pipeline	100%	Completed
MND	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII –R1
MND	IIIR1	Distribution Systems- Balance works	43.15%	Terminated due to poor progress. Balance work re-tendered and arranged as new contract P3RR1

MND	IIIRR1	Distribution Systems-Balance works	75%	Work closed as per KWA Board Resolution dated 03.01.2020
MND	IV	Service Reservoirs	100%	Completed
Cherthala	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Cherthala	II	Treated Water Transmission Pipeline	100%	Completed
Cherthala	III	Distribution Systems	100%	Completed
Cherthala	IV	Service Reservoirs	100%	Completed
Kozhikkodu	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Kozhikkodu	IIA	Treated Water Transmission Pipeline	100%	Completed
Kozhikkodu	IIB	Treated Water Transmission Pipeline	100%	Completed
Kozhikkodu	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII –R1 & R2
Kozhikkodu	IIIR1	Distribution Systems - Balance works	64%	Contract closed as on 31.03.2020
Kozhikkodu	IIIR2	Distribution Systems-Balance works	74%	Contract closed as on 31.03.2020
Kozhikkodu	IV	Service Reservoirs	100%	Completed
Kozhikkodu	IVR1	Service Reservoirs at Thalikulathur	100%	Completed
Kozhikkodu	IVR2	Service Reservoirs at Kakkur	100%	Completed
Kozhikkodu	IVR3	Service Reservoirs at Narikunni	100%	Completed
Kozhikkodu	V	Rehabilitation Works of Existing System	100%	Completed

Pattuvam	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Pattuvam	II	Treated Water Transmission Pipeline	100%	Completed
Pattuvam	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII –R1 , R5 & R6
Pattuvam	IIIR1	Distribution Systems - Balance works	100%	Completed
Pattuvam	IIIR5	Distribution Systems- Balance works	100%	Completed
Pattuvam	IIIR6	Distribution Systems - Balance works	100%	Completed
Pattuvam	IV	Service Reservoirs	100%	Completed

Details of JICA Project Progress during the year 2020-21 is given as **Annexure 11**.

Chapter VII SEWERAGE, PPD & WASCON



SE - Superintending Engineer
 EE - Executive Engineer
 AEE - Assistant Executive Engineer

WASCON the Consultancy Wing of Kerala Water Authority was set up, as per GO(Rt.)45/2008/WRD dated, 08/01/2008 with the intention of providing Engineering Consultancy services for in house works and outside works. Since its inception, WASCON has taken up many design works as well as preparation of project reports for many Water Supply Schemes. WASCON had done designs for many Water Treatment Plants and Service Reservoirs. Design for 100 mld Water Treatment Plant at Vasoorchira, Kollam.

Later on Project Preparation and Development Unit PPD was formed vide proceedings no. KWA/JB/E2(A)/18977/2015 of Managing Director dated, 27-02-2016 by reorganizing WASCON so as to take up preparation of well-planned and well-designed projects reports.

The Unit is headed by a Chief Engineer and has 3 Regional offices at Thiruvananthapuram, Kochi and Kozhikkode which are headed by Superintending Engineers assisted by an Executive Engineer each. In addition, there are Camp offices in each district which is under the control of Assistant Engineer. Survey works are done by the Camp offices and engineering reports are prepared and submitted to the higher offices for approval. Taking into consideration the importance of sewage treatment and dispose across the state, a Sewerage Vertical was created vide Order No. 1279/E2(A)/2020/KWA dated 07/07/2020. The CE(PPD&WASCON) was designated as the head of the newly formed Sewerage Vertical with four Sewerage circle offices at Thiruvananthapuram, Kochi, Thrissur and Kozhikode under him. For this purpose Sewerage Circle, Kochi created earlier vide KWA/JB/E2(A)/1279/2020 dated 03/02/2020, to co-ordinate, execute and maintain sewerage works across Kerala was clubbed with the existing PPD Regional offices at Thiruvananthapuram, Kochi and Kozhikkode to form four Sewerage Circles at Thiruvananthapuram, Kochi, Thrissur and Kozhikkode. The erstwhile SE, PPD Tvpm is functioning as SE, Sewerage Circle, Thiruvananthapuram with Thiruvananthapuram, Kollam and Pathanamthitta districts under its jurisdiction. Similarly SE, Sewerage Circle, Kochi is functioning with Kottayam, Alappuzha, Idukki and Ernakulam districts. The SE, PPD, Kochi is functioning as SE, Sewerage Thrissur, and have districts Thrissur, Malappuram

and Palakkad under its jurisdiction. SE, PPD, Kozhikode is functioning as SE, Sewerage Circle, Kozhikode with Kozhikode, Kannur, Wayanad and Kasargod under its control.

Details of schemes in operation under execution during 2020-21.

a) Thiruvananthapuram at Muttathara 107 MLD(Activated Sludge with extended aeration system)

The existing sewerage system in Thiruvananthapuram city region commenced in the year 1945 covering the then main areas of the city. Presently in Thiruvananthapuram Corporation area, 43 out of 100 wards are covered either partly or fully with sewerage system. For convenience the city area was divided into 5 blocks which were commissioned in different periods

- Area of coverage : 75 sq km (Old Corporation area)
- Percentage of Coverage : 40%
- Number of wards covered : 43
- Number of existing blocks : 5 (A,B,C,D,E)
- Number of connections : 52000
- Location of STP : Muttathara
- Capacity of STP :107 MLD
- Length of pipeline network : 600 km
- Number of manholes : 20000(approximately)

Sewerage Block	Year of commissioning	Covered area (Sq. km)
A	1945	13.84
B	1965	5.51
C	1970	4.12
D	1990	6.5
E	1994	13.06
Total		43

b)Kochi at Elamkulam 4.5 MLD (Activated sludge process)

In Kochi existing sewerage system covers only 5% of Kochi Corporation. At present the Kochi Corporation is spread over 94.88 km² and has been divided in to 74 wards with total population of 602046 as per 2011 census. Considering 80% return, total sewage quantity in the year 2052 is estimated to be 147.80 Mld.

The existing Sewage Treatment Plant located at Elamkulam is having a capacity of 4.50 MLD. The plant works in activated sludge treatment process. The plant was commissioned as early in 1959 and maintenance of the Sewage Treatment Plant is done by KWA. The Sewerage system planned by the PHED in 1966 was taken up for Implementation in 1971. For the planning and implementation purposes the entire Municipal Corporation areas and Panchayaths was divided into four zones A, B, C, and D. Out of these zones, only a part of Zone B was commissioned. Zone B, which is further divided into five sewerage blocks (A, B, C, D and E) for planning purpose has only Block A (fully) and Block B (partially) functional at the moment and are connected to the existing STP of 4.5 MLD which is being rehabilitated to 5 MLD. The new plant under AMRUT planned to commissioned in 31.03.2022. KMRL also planned to construct a 10MLD STP at Elamkulam KWA site, DER for the same is under preparation(funding agency –IURWTS).

c. Three MLD STP at Guruvayur (Activated sludge process)

The Guruvayoor drainage Project is planned to provide an effective drainage system for the full coverage of thickly populated area under Guruvayoor Municipality. The main aim of the scheme is to collect the sewage from houses, flats, hotel etc. and treated in a sewage plant of capacity 3 MLD STP at Chakkumkandam at Guruvayoor. The work had completed and trial running process is going on. Ready for commissioning. Network 7 Km approx.

STPs Under construction

1. Kochi at Elamkulam 5 MLD (Moving Bed Bio Reactor MBBR system) Expected date of completion 31.03.2022.
2. Kollam at Kureepuha 12 MLD (MBBR)(sewer network not completed and works of stopped due to public protest for a long period now the site cleared and work started.)
3. Thiruvananthapuram at Medical College 5MLD STP under AMRUT proposed to commission in 30.06.2021

Schemes completed during 2020-2021.

Some extension of sewerage scheme for enhancing the utilized capacity of the STP at Muttathara has been completed during the period.

Details of PER and DER prepared during 2020-2021.

Sl.No	Name of Work	Quantity
1	PER for preparation of DER for Sewerage system in Kochi Corporation	1No.
2	PER for preparation of DER for Sewerage system in Thiruvananthapuram Corporation	1No.
3	Expression of Interest for Inviting offers from Consultancy for the preparation of Detailed Project Report (DPR) in Kochi Corporations	1No.
4	PER for Sewerage system in Karumalloor Grama Panchayath in Ernakulam District	1No.
5	PER for Sewerage system in Muvattupuzha Municipality in Ernakulam District	1No.
6	PER for Sewerage system in Thodupuzha Municipality in Idukki District	1No.
7	PER for Sewerage system in Ettumanoor Municipality in Kottayam District	1No.
8	PER for Sewerage system in Erttupetta Municipality in Kottayam District	1No.
9	PER for Sewerage system in Alapuzha Municipality in Alapuzha District	1No.
10	District action plan for the Implementation of sewerage/ Septage system in Ernakulam District	1No.
11	District action plan for the Implementation of sewerage/ Septage system in Kottayam District	1No.
12	District action plan for the Implementation of sewerage / Septage system in Idukki District	1No.
13	District action plan for the Implementation of sewerage / Septage system in Alapuzha District	1No.
14	PER for the Construction of common Effluent Treatment Plant (CETP) in the Industrial Estate at Edayar in Ernakulam District	1No.
15	PER for the Construction of Sewerage Treatment Plant (STP) at Elamkulam and connected net work in Ernakulam District	1No.
	Total	15Nos

Details of major achievements of WASCON during 2020-21.

List of works of PPD&WASCON during 2020-21	
1	JICA Assisted Kerala Water Supply Project – WSS to Kozhikode City and adjoining villages Contract package – 3(R1) – Distribution system(Balance works) – Balamandiram zone – Design of pipe carrying bridge at Moozhikkal -
2	CWSS to Koppam – Vilayoor – Design for the distribution system in Koppam and Vilayoor Grama Panchayath
3	WSS to Ambalappara – Design for the Distribution system to Ambalappara Grama Panchayath.
4	WSS to Vandazhi and adjoining Panchayath – Design for CWPM.
5	WSS to Vandazhi and adjoining Panchayath – Design for distribution system in the LL zone of Vandazhi, Vadakkancherry, Kizhakkanchery and Kannambra Grama Panchayath.
6	WSS to Karimba, Kongad and Mundoor (50) Grama Panchayath – Design for distribution system.
7	WSS to Malampuzha and adjoining Panchayaths – Design for CWPM.
8	WSS to Malampuzha and adjoining Panchayaths – Design for Distribution Network.
9	WSS to Thachanattukara, Alanalloor, Kottopadam Grama Panchayath – Design for CWPM.
10	WSS to Thachanattukara, Alanalloor, Kottopadam Grama Panchayath – Design for Distribution Network.
11	WSS to Shornur Municipality and Vaniyamkulam Grama Panchayath - Design for CWPM from OHSR Kulapully to Vallanamkunnu tank.
12	Augmentation of UWSS to Shornur Municipality and Vaniyamkulam Grama Panchayath - Design for Distribution network.
13	WSS to Cherpulassery Municipality, Thrikkadery, Ananganady, Chalavara Grama Panchayath – Design for CWPM and RWPM.
14	WSS to Mannarkad Municipality and Thenkara Grama Panchayath – Design for CWPM.
15	WSS to Mannarkad Municipality and Thenkara Grama Panchayath – Design for Distribution Network.
16	WSS to Ongallur, Vallarpuzha – Design for Distribution Network.
17	WSS to Vadavannur Panchayath – Design for Distribution Network.
18	KIIFB – Water Supply Scheme to Zoological Park – Layout, Hydraulic Flow Diagram and General arrangement of 1.5 MLD WTP at Puthur - Design verification.
19	State Plan – CRWSS to Kulathupuzha and adjoining villages – Construction of 3.40 LL capacity Sump cum Pump house at Thottumukku – (Vayala School Compound) and distribution zone III-Design verification
20	KIIFB – WSS to Kalluvathukkal, Parippally and Velinalloor (Part) villages – Phase I – Package – II – 11.30 LL OHSR at Kalluvathukkal- Design verification.
21	KIIFB – 2017-18 - CWSS to Resolve the scarcity of drinking water in various Grama Panchayaths in Malampuzha - package I – Design of 7 LL OHSR in Malampuzha - Design verification.

22	KIIFB – 2017-18 - CWSS to Resolve the scarcity of drinking water in various GramaPanchayaths in Malampuzha - package I – Design of 8 LL OHSR in Malampuzha - Design verification.
23	KIIFB – WSS to Perunadu and Athikkayam villages Phase I – Remaining components – Structural design for the construction of 0.6 LL GLSR at Chembanmudi - Design verification.
24	KIIFB – WSS to Perunadu and Athikkayam villages Phase I – Remaining components – Structural design for the construction of 0.5 LL GLSR at Mundamala - Design verification.
25	KIIFB – 17-18 Comprehensive Drinking Water Scheme to Karimba and KongadPanchayaths in Mannarkkad and Palakkad Taluk in Palakkad District - Phase I –Package I - Construction of Pump house and control room of 12 MLD WTP at Karimba - Design verification.
26	CWSS to Mannoorkkara, Veeranakavu and Perumkulam villages – Phase I – Design of 11.50 MLD WTP at Thozhuthinkarachira - Design verification.
27	NABARD – RIDF – XXIV -WSS to SeethathodePanchayath and NilackalPlappally area in PerunaduPanchayath Phase II – Package I – Laying 508mm MS CWPM from WTP to Sump I, Sump II, Sump III, Sump III to OHSR at Nilackal, Construction of Sumps and OHSRs, supplying and laying distribution main, supply and erection of pumpsets, transformer sub stations, automation of pumping system – Design and drawing for the construction of 20 LL OHSRs at Nilakkal near Palliyarakkavu temple and near BSNL Tower – 20 LL OHSR at Nilakkal near BSNL Building - Design verification.
28	NABARD – RIDF – XXIV -WSS to SeethathodePanchayath and NilackalPlappally area in PerunaduPanchayath Phase II – Package I – Laying 508mm MS CWPM from WTP to Sump I, Sump II, Sump III, Sump III to OHSR at Nilackal, Construction of Sumps and OHSRs, supplying and laying distribution main, supply and erection of pumpsets, transformer sub stations, automation of pumping system – Design and drawing for the construction of 20 LL OHSRs at Nilakkal near Palliyarakkavu temple and near BSNL Tower – 20 LL OHSR at Nilakkal near Palliyarakkavu Temple - Design verification.
29	NABARD – WSS to Kottiyoor, Kelakam and Kanichar Phase I in IrrityThaluk of Kannur District – Design, Construction of 11.00 MLD Water Treatment Plant at Kottiyoor - Design verification.
30	CWSS to Thevalakkara and ThekkumbhagomPanchayaths – Construction of 6.50 LL capacity OHSR at Maryadimukku - Design verification.
31	Deposit work of KSCADC – Water Supply Scheme to Coastal wards of Adimalathura, Poovar and Karumkulam villages in Thiruvananthapuram District – Structural drawing of 1.033 LL capacity OHSR - Design verification.
32	KIIFB – 2017-18 CWSS to Resolve the Scarcity of drinking water in various Gramapanchayaths in Malampuzha – Phase I – Package I – Design of 11 LL OHSR at JT School compound at Malampuzha -Design verification.
33	KIIFB – 2017-18 CWSS to Resolve the Scarcity of drinking water in various Gramapanchayaths in Malampuzha – Phase I – Package III – Design and Construction of 8 LL OHSR at Mundur, 11.50 LL OHSR at Akathethara - Design verification.

34	KIIFB – WSS to Kalluvathukkal, Parippally and Velinalloor (Part) villages Phase I – Package II – 7.50 MLD Water Treatment Plant and 9 LL OHSR at Kattupuram in Kalluvathukkal - Design verification.
35	KIIFB – Water Supply Scheme to Chazhur, Thaniam and AnthikadPanchayaths – Design and Construction of 12 MLD WTP at Chazhur- Design verification.
36	KIIFB – Water Supply Scheme to Coastal Panchayaths of Chirayinkeezhu – Construction of 15 MLD WTP at Valiyakunnu- Design verification.
37	KIIFB – Water Supply Scheme to Kodassery, Pariyaram and AthirappillyPanchayaths in Thrissur District – Package II – 14 LL OHSR, 1 LL OHSR structural design & drawing submitting - 14LL OHSR at OrappanparaPariyaramPanchayath - Design verification.
38	Aug. of Water Supply Scheme to Kollam Corporation – Phase –I – Construction of RCC pipeline bridge (10.5m span) at Njankadavu, Kollam - Design verification.
39	AMRUT 2017-18 – Providing Sewerage facility to Kalladimugham Housing Colony – Design of Grit Chamber, Well and Pump house - Design verification.
40	KIIFB – Augmentation of WSS to Kollam Corporation – Phase II – Package III – Design of 22.5 m pipeline bridge at Kallupalam - Design verification.
41	KIIFB –WSS to Kodassery, Pariyaram and AthirappallyPanchayath in Thrissur District - Package II – Design of 1 LL OHSR at ChaippankuzhyKodassery – Design verification.
42	KIIFB –WSS to Perunadu and Athikkayam villages Phase I- 70m ² Pump house at Mukkam – Design verification.
43	KIIFB –2017-18 – JalagramamComprehensive WSS to Kozhinjampara, Vadakarapathy and Eruthempathy in Palakkad District – Design of 108.4m span Steel bridge of CWPM at RV Puthur– Design verification.
44	AMRUT -2016-17 – Construction of Sewerage Pumping house – Design of Well cum Pump house, Grit chamber and Intake well at Edathara - Design verification.
45	Atal Mission for Rejuvenation and Urban Transformation (AMRUT) – Sewerage - Construction of Pumping station at Akkulam (Block – K) – Construction of 179m ² Sewerage Pump house - at Akkulam - Design verification.
46	AMRUT – Augmentation of WSS to Kollam Corporation – Phase I – Package IV – Design Construction and Commissioning of 100 MLD WTP at Vasoorichira - Design verification.
47	WSS to Parassala and adjoining villages and Marukil and Maranalloor villages in Thiruvananthapuram District – Construction of 10.17 lakh litres OHSR at Dhanuvachapuram ITI Campus - Design charges
48	KIIFB –WSS to Ala, Puliyoor, Budhanoor, Pandanad, Mulakuzha, VenmonyPanchayahths and Chengannur Municipality in Alappuzha District Package I – Renovation of existing 10 m dia intake well cum pump house design construction and commissioning of 35 MLD Plate settler type WTP at Nikirampuram – Design verification of 35 MLD Plate settler type WTP at Nikirampuram.
49	AMRUT - WSS to Guruvayoor Municipality in Thrissur District - Design of 10 LL capacity OHSR at Chakkamkandam - Foundation Design.

50	NRDWP - Augmentation of ARWSS to Ayarkunnam, Kooroppada and PampadyPanchayath in Kottayam District (Package I) - Design, Construction and Commissioning of 12 MLD WTP at Arumanoor - Design of Clariflocculator.
51	KIIFB –WSS to Chazhur, Thaniam and AnthikadPanchayath in Thrissur District – Package II – Design of 8.6 LL OHSR in Anthikkad – Design verification.
52	KIIFB –Water Supply Scheme to Coastal Panchayaths of Chirayinkeezhu – Design verification of Intake Well cum Pump house -Design verification.
53	KIIFB –17-18 – Comprehensive Drinking water scheme to AmbalapparaPanchayath in OttappalamTaluk in Palakkad District – Phase II – Design of 13 m Steel bridge across Thirandithodu - Design verification.
54	KIIFB –WSS to Chazhur, Thanniam and AnthikadPanchayath in Thrissur District – Package II – Design of 11 LL OHSR at Thanniam - Design verification.
55	KIIFB –Augmentation of CWSS to NattikaFirka Phase - I - Package I – Design of 26 MLD Water Treatment Plant at Vellani – Design verification.
56	KIIFB –WSS to Kodassery, Pariyaram and AthirappillyPanchayaths in Thrissur District - 12 MLD WTP at Athirappilly - Design verification.
57	KIIFB –WSS to Kodassery, Pariyaram and AthirappillyPanchayaths in Thrissur District - 20 LL OHSR at Chembankunnu- Design verification.
58	WSS to SeethathodePanchayath and NilakkalPlappally area – Design of 20 LL OHSR near Cattle shed at Nilakkal- Design verification.
59	Flood Relief Work 2018 Restoration of Water Supply in Arayanjilimon Ward of PerunaduPanchayath – Construction of GLSR at Perumkavumala- Structural design of 0.5 LL capacity GLSR at Perumkavumala – Design verification.
60	STATE PLAN – Water Supply Improvements to Mynagappally – Construction of 15.2 LL OHSR at Mynagappally- Design verification.
61	JJM-2020-21 Phase I- Laying pipe line and providing FHTC in ThiruvappuPanchayath, Kottayam District. Design of 3.00 LL capacity OHSR at Thiruvappu -Design verification.
62	RKI – WSS to Pavaratty and MullasseryPanchayaths in ChavakkadTaluk, Thrissur district - 110m Steel bridge at Koombully Bridge crossing -Design verification
63	KIIFB – WRD 002-11 – Special Investigation Package – WSS to Mattannur and Iritty Municipalities – Package IV – Construction of 15 LL capacity OHSR at Iritty HSS -Design verification
64	Water Supply Scheme to University Campus at Calicut – Preliminary Engineering Report - invoice for survey expense - Cost of surveying using electronic total station with single prism. - outside work

Details of Sewerage Projects and coverage

1. 107 MLD Muttathara STP

The details of blocks under muttathara STP are:

BLOCK A

Sewerage system was first introduced in this block. The total area of the Block is 13.84 sq.km, and comprises the most important portions of the city such as Kowdiar, Vellayambalam, Thycaud, Thampanoor, Pazhavangady,Chalai, Manacaud, Puthenchanthai, Jagathy and Palayam. This block was commissioned way back in 1945. There are 3 lifting stations under this block at Thaliyal, Mudavanmughal and Arannoor. The main pumping station in this block is at Kuriyathy from where sewage is pumped to the STP at Muttathara.

BLOCK B

The total area of the Block is 5.51 sq.km. It includes area of the city such as Sreekanteswaram, Pettah – East of Railway line, Rishimangalam, Vanchiyoor, Kaithamukku, Pattom Valley, Nanthancode, and Barton Hill, and the Block ‘B’ was commissioned in 1965. There is a main pumping station in this block at Pattoor from where sewage is pumped to Muttathara STP.

BLOCK C

The total area of the Block is 4.12sq.km., and the block was partially commissioned in 1970. It covers the low lying area of the City which include Chackai, Pettah – West of Railway line, Palkulangara, South West corner of Fort area, Puthen Street, Sreevaraham, and Manacaud portion. There is a main Pumping Station at Enchackal from where sewage is pumped to the STP at Muttathara.

BLOCK D

The area in Block ‘D’ is divided into two zones namely Zone- I & Zone- II which are located on either side of the National Highway.

Zone-I on East side of NH is further divided into two sub zones viz. (a) Kowdiar and (b) Ambalamukku-Muttada. Main sewers in Zone-I are Kowdiar Main, Ambalamukku Main, Muttada Main and Kesavadasapuram Main.

Zone-II on West side of NH is further subdivided into three zones viz.

(a) Kumarapuram-Kannammoola, (b) Kesavadasapuram-Ulloor and (c) Medical College. This block has four pumping stations. The Medical College lifting station catering to the needs of the Medical College Complex, Plamoodu lifting station and the Murinjapalam lifting station discharges sewage to Kannammoola pump house. The sewage is pumped to the STP Muttathara from the pumphouse at Kannammoola.

Block ‘D’ was first commissioned in 1990 and further extended in 2004. Works to provide coverage to the unsewered area in Block D is in progress. Land acquisition works are also to be completed.

BLOCK E

This block covering an area of 13.06 sq.km is divided into 4 sewerage zones as detailed below.

Zone-I:- Areas of Sasthamangalam, Kowdiar, Peroorkada and Mannammoola. This zone was first commissioned in 1994 and further extended in 2004;

Zone-II:- Areas of Maruthankuzhy, Vettamukku, Pangode, Edapazhanji, Chadiyara and part of Poojappura. Commissioning of Zone-II can be done after the land acquisition process is completed;

Zone-III:- This zone consist of Vattiyookavu, PTP Nagar, and Kanjirampara area. Land acquisition process has to be completed for the completion of the sewer pipe line laying works;

Zone-IV:- This consist of Valiyavila area. The work of this zone has not been started. Land acquisition work for the pump house site at Valiyavila is to be completed.

COVERAGE DETAILS

- Existing Covered area with sewerage facility full or Partial.
(43 wards)/(Blocks A to E)
- Uncovered area - Design of sewerage network available
(35wards)/(Blocks F to R)- Includes ongoing works under JNNURM and AMRUT
- Uncovered area – New designs to be prepared
(22 wards)

2. Elamkulam 4.5 MLD at Kochi (Activated sludge process)

The existing Sewage Treatment Plant located at Elamkulam is having a capacity of 4.50 MLD. The plant works in activated sludge treatment process. The plant was commissioned as early in 1959 and maintenance of the sewage Treatment Plant is done by KWA. The Sewerage system planned by the PHED in 1966 was taken up for Implementation in 1971. For the planning and implementation purposes the entire Municipal Corporation areas and Panchayaths was divided into four zones A, B, C, and D. Out of these zones, only a part of Zone B was commissioned. Zone B, which is further divided into five sewerage blocks (A, B, C, D and E) for planning purpose has only Block A (fully) and Block B (partially) functional at the moment and are connected to the existing STP of 4.5 MLD which is being rehabilitated to 5 MLD. The new plant under AMRUT planned to commissioned in 31.3.2022. KMRL also planned to construct a 10MLD STP at Elamkulam KWA site, DER for the same is under preparation(funding agency –IURWTS).

3. Three MLD STP at Guruvayur (Activated sludge process)

The Guruvayoor drainage Project is planned to provide an effective drainage system for the full coverage of thickly populated area under Guruvayoor Municipality. The main aim of the scheme is to collect the sewage from houses, flats, hotel etc.and treated in a sewage plant of capacity 3 MLD STP at Chakkumkandam at Guruvayoor. The work had completed and trial running process is going on. Ready for commissioning. Network 7 Km approx. Under State plan 2021-22 A.S. for an amount of Rs 73.3 Lakh received for the construction of dilution tank and collection well.

Sewerage Vertical and its progress

Environmental protection has been widely accepted as a vital aspect of sustainable development. Proper sewage and septage management is a crucial parameter in achieving this. Though considerable achievement has been marked by the state in the drinking water sector, the development in sewerage sector is lagging much behind. Unplanned urbanization and poor sewage management has resulted in large scale pollution of water resources. This has become a complex challenge to the environment as well as to the public health. Realizing the threat, the Government, in recent years, has made much deliberations and initiatives to address the challenge. Moreover, there are directions from the Honorable National Green Tribunal (NGT) for ensuring the installation of Effluent Treatment Plants (ETPs), Common Effluent Treatment Plants (CETPs), Sewage Treatment Plants (STPs) and other pollution control measures. Hon. NGT has also directed to take necessary action to prevent discharge of pollutants into our rivers (OA No. 673 of 2018).

As per the Kerala Water Supply and Sewerage Act -1986, KWA has the function of rendering services in collection and disposal of waste water. As such, the Authority has prepared district based preliminary engineering reports for the purpose of planning sewerage / septage management systems for the entire state. The project area is broadly

categorized into two - areas with higher population density and areas with lower population density. Networked sewerage system with STPs is proposed for the first category where the density is generally more than 1500 per square kilometre. On site sanitation with faecal sludge treatment plants (septage) are proposed for the second category areas. However sludge from non-networked areas which are closer to STPs is also planned to treat in the STP itself. The networked areas are subdivided into zones by considering topographical features such as ridges, rivers etc and manmade features such as main roads and railway lines.

The design horizon year for this project is 30 years with base year as 2023. Considering the presence of water supply schemes under KIIFB and AMRUTH a rate of supply of 100 lpcd is considered for panchayath areas and 150 lpcd for urban areas. A return ratio of 80% of the water supplied is considered for estimating the sewage generation. Data available with local bodies, census reports, KWA's asset mapping documents and spatial data sites have been used for the preparation of PER. Processing and analysis is mostly done with GIS. The accuracy of the report is limited to these. A total of 534 Sewage Treatment Plants with a total capacity of 2827 mld and 135 septage treatment plants with a total capacity 15000 KLD are proposed to cover the entire state. The proposal also includes 2439 collection wells, sewerage network of around 59800 km, manholes, collection wells etc. Estimated cost is Rs. 80385 crore. Out of this Rs.26048 crore is estimated for urban local bodies. Thiruvananthapuram Corporation area is not included in the above plan as DPR preparation work of Corporation area (under RKI) is in progress. Expected sources of funds are RKI, SBM2 and WB.

Further to this, based on the Guidelines of Swatch Bharath Mission Phase II being launched by Government of India, two ULBs have been selected in each district for implementing sewerage schemes. The list is attached herewith for perusal. DPR preparation of the same has been initiated by KWA. To save time and money, GIS based extraction of levels has been resorted to. It is intended to compliment this with DGPS survey, selectively. Tentative locations of STP and collection wells have been identified. ULBs are being contacted for ensuring land availability. It is expected to complete the DPRs by October 2021

Details of PPD Regional Office, Thiruvananthapuram is given as **Annexure 12.**

Details of PPD Regional Office, Kochi given as **Annexure 13.**

Details of PPD Regional Office, Kozhikode given as **Annexure 14.**

Chapter VIII

COMPUTERISATION AND IT-INITIATIVES

Information Technology Wing

KWA is having an Information Technology Wing at its head office. It aids the organisation to reach its mission “We will transform ourselves to a consumer friendly organisation providing services at the doorstep” The Wing is responsible for all IT/e-Governance activities like Website maintenance ,Software Development, Mobile App Development, Maintenance of various Softwares of KWA, Specification finalisation in IT Hardware procurement, Maintenance of IT and network Infrastructure. Integration with other State GovtSoftwares, the unit is under the control of Chief Engineer HRD & GL and directly reporting to the secretary.

There is one Database Administrator, two Asst Database Administrator and one Assistant Engineer Posts in which DBA post and one Asst Database Administrator posts are vacant at present. One Asst Database Administrator is holding charge of all the three posts. Also there are support staffs for eAbacus and other software and network support. Apart from this there are virtual IT Cadre staff deployed to IT wing and also attached to some Circle offices to support the IT Wing in software development and state wide network activities. Three Software Developers and three Interns are also deployed on contract for software development.

Computerisation and E-Governance activities

During 2020-21 Kerala Water Authority moved fast forward with JJM Project. Through JJM Project around 5 lakh new connections from rural area are added to e-Abacus software. To achieve this mobile app has been developed for KWA field staffs to provide connections and do data entry of new connection to e-Abacus at connection site itself. This mobile app is capable of capture the GIS location of each consumer, which is a leap in technology and very helpful for KWA as these data are being loaded to GIS Map. GIS Map of KWA is another important achievement in Information Technology. Each and every aspects of KWA is being plotted to GIS map which is very informative for public, employees and management. An online system for Sewerage connection has been launched. Through this system an applicant can apply for sewerage connection without going to office even for agreement execution. This system eliminated all physical touch points between KWA offices and consumer. Onlinenew water connection application for new entrepreneurs is on boarded to Kerala Government’s Single Window Clearance mechanism (KSWIFT- Kerala Single Window Interface for Fast and Transparent Clearance). KSWIFT is be the platform for all future transactions with the Government Departments / Agencies wherein all the applications can be submitted through a unified Common Application Form (CAFAs per the Ease of Doing Business Policy and State Government’s State Business Reforms Action Plan KWA also decided to make all systems like new connection, consumer services online.

KWA has planned for a Comprehensive IT solution and proposal was approved by Board. It envisages to bring all small small existing softwares to a single platform with an RDBMS system and different modules for performing functionalities of different wings of KWA. Ll employees will be provided with a username and password and concerned staff can do their roles with single sign on facility.

Kwa has decided to revamp existing website to a state of the art one. Inhouse team formed for this activity and started the work.

Many other IT initiatives like online services, online water connection BBPS direct integration etcare under development stage which are expecting launch very soon.

Enterprise Resource Planning (ERP), E-governance, GIS and information Management

The main activities under this head are listed below:-

Implementation of ERP in KWA involves system study, preparation and approval of Software Requirement Specification documents, procurement of licenses, hardware, system integration etc by project Monitoring Consultant and consultant for KWA. The main achievements are:-

- Contract Staff 3 nos employed for the development of new in house soft ware and developed two software.
- Pension Software in KWA through NIC completed and it's testing going on.
- Development of new in house software is in progress for various wings in KWA.
- For Annual Maintenance Contract for up keeping of computers, printers, servers, network, component, software, servers etc
- Purchase of Network components, multifunctional printers, computers, Antivirus software. desktop monitors, computers, laptops, scanners, raid cards etc
- For leased line and internet connectivity.
- Revamping of e-Abacus completion activities
- For availing support for DDFS, MARCH and O&M software, LIMS software etc
- 100% achievements in implementing Quick pay portal
- Implementation of BBPS
- 100% Implementation of Introducing POS machines based on banks willingness at all Revenue centers.
- Implementing Mobile application for meter readers and spot point of water charges wherever the consumer requires.
- Implemented the 24 Hours Call center for complaint redressal (1916)

The budget allowed for the financial year 2020-21 is Rs.100 lakh and 50 lakh additional allowed and the total expenditure for 2020-21 is Rs.100.50 lakh.

Chapter IX

FINANCIAL PERFORMANCE

Kerala Water Authority is a Service Sector organization and autonomous body of Government of Kerala, entrusted with supply of potable water in Kerala and collection and treatment of sewage. The main source of income of Kerala Water Authority is collection of water charges. From the formation of Kerala Water Authority, it has never earned any surplus Income and is continuously running at deficit. Due to the deficit, Water Authority is unable to pay the power charges, regular payment of operation and maintenance to the contractors, pay revision arrear of employees and commutation to the retired employees, etc.

Kerala Water Authority is undertaking water supply schemes based on the budgetary allocation of Government of Kerala and Government of India. The major heads of Capital Receipts of Kerala water Authority comprise of the following:

a. Grant in Aid from Government of Kerala under the following heads

- State plan schemes
- NABARD schemes
- JICA (Now under State)
- NRDWP/JJM (State Share)

b. Grant in Aid from Government of India (for NRDWP schemes)

In addition to the above Water Supply Schemes are also undertaken under Deposit Works, KIIFB, AMRUT, etc.

Budget estimate, release and expenditure

The statement of budget estimate, release and actual expenditure met by KWA in 2020-21 given below.

Category	2020-21		
	Budget	Release	Expenditure
STATE PLAN	16525	26252.54	26484.24
NABARD	6000	10343.58	10313.13
JJM/NRDWP	80000	75893.9	62157.05
TOTAL	102525	112490.02	98954.42

KERALA WATER AUTHORITY

BALANCE SHEET AS AT 31st MARCH 2021(Pre-Audited)

	CURRENT YEAR (Amount in `)	PREVIOUS YEAR (Amount in `)
<u>SOURCES OF FUNDS</u>		
1 Kerala Water Authority Fund		
a. Contributions & Grants	93,140,071,214	82,187,456,810
b. Reserves & Surplus	3,565,504,378	3,565,504,378
2 Kerala Water Authority Loan Fund		
a. Secured Loans	708,944,559	1,910,519,355
b. Unsecured Loans & Deposits	96,148,313,629	85,313,067,052
Total	193,562,833,780	172,976,547,595
<u>APPLICATION OF FUNDS</u>		
1 Fixed Assets		
Gross Block	71,244,505,117	66,819,280,422
Less: Depreciation Reserve	23,148,471,533	21,566,784,275
Net Block	48,096,033,584	45,252,496,147
Capital Work in Progress	87,263,232,567	75,957,302,940
	135,359,266,151	121,209,799,087
2 Investments	356,420,236	580,750,069
3 Net Current Assets		
a. Current Assets	29,827,013,097	23,109,417,332
b. Current Liabilities	14,546,285,313	10,773,927,689
	15,280,727,784	12,335,489,643
4. Loans & Advances	1,695,539,930	3,920,703,931
5 Miscellaneous Expenditure to the extent not Written-off	-	-
6 Accumulated Excess of Expenditure over Income	40,870,879,679	34,929,804,865
Total	193,562,833,780	172,976,547,595

Schedules A to K and significant accounting policies and notes on the accounts 2.01 to 2.10 form an integral part of this Balance Sheet

Shijith. V
Finance Manager & Chief Accounts Officer(i/c)

V.Ramasubramani IA&AS
Accounts Member

Venkatesapathy S. IAS
Managing Director

Place: Thiruvananthapuram
Date : 10.08.2021

KERALA WATER AUTHORITY

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2021(Pre-Audited)

	CURRENT YEAR (Amount in `)	PREVIOUS YEAR (Amount in `)
INCOME		
1 Operating Income		
a. Consumers	8,359,583,042	7,117,605,758
b. Others	281,609,395	51,093,273
	8,641,192,437	7,168,699,031
2 Grants & Subventions - Government of Kerala	3,474,445,700	2,735,311,300
3 Interest Income	303,436,987	320,429,705
4 Other Non-Operative Income	1,336,565,336	2,629,021,681
Total Income	13,755,640,460	12,853,461,717
EXPENDITURE		
1 Operating & Maintenance Expences	4,407,696,875	4,654,306,066
2 Payment & Provision to Employees	9,238,770,744	9,044,815,286
3 Office expenses	150,730,415	218,651,022
4 Travelling & Conveyance Expenses	50,832,255	60,115,811
5 Administrative Expenses	19,370,449	34,865,517
6 Debtors written off	-	-
6 Assets and losses written off	-	-
7 Provision for Doubtful Debts	-	-
8 Interest on		
a. Secured Loans	36,478,501	44,362,091
b. Government of Kerala Loans	2,640,573,750	2,641,253,000
c. GPF	276,808,000	301,369,000
	2,953,860,251	2,986,984,091
9 Depreciation	1,581,687,258	1,456,145,655
Total Expenditure	18,402,948,247	18,455,883,448
10 Transferred to Capital Work-In-Progress	314,788,224	386,483,764
	18,088,160,023	18,069,399,684
Excess of Expenditure over Income	4,332,519,563	5,215,937,967
11 Prior Period Adjustments	1,608,555,251	(46,375,327)
Excess of Expenditure over Income after prior period adjustments	5,941,074,814	5,169,562,640

Shijith. V
Finance Manager & Chief Accounts Officer(i/c)
Place: Thiruvananthapuram
Date : 10.08.2021

V.Ramasubramani IA&AS
Accounts Member

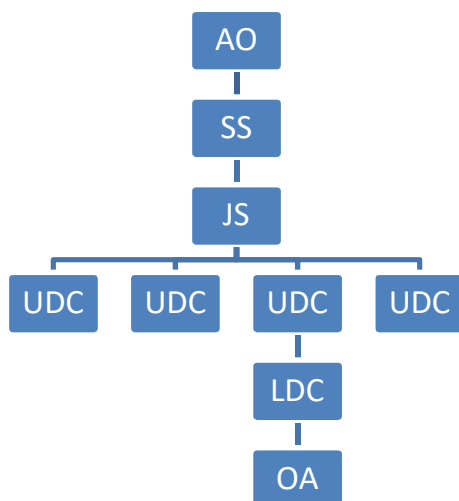
Venkatesapathy S. IAS
Managing Director

KERALA WATER AUTHORITY
REVENUE CASH FLOW STATEMENT(UNAUDITED)

CONSOLIDATED REVENUE RECEIPTS AND PAYMENTS FOR THE PERIOD 01.04.2020 TO 31.03.2021

RECEIPTS	(Rs in Lakh)
	Total
OPENING BALANCE	6,024.42
WATER CHARGES COLLECTION AND OTHER COLLECTION THROUGH NOP A/C	60,269.36
NON PLAN GRANT FROM GOK	34,743.96
SDRF FUND RECEIVED FROM DISTRICT COLLECTOR TVPM	1,431.24
SHARE DEBIT-NRDWP/JJM	2,726.19
FD PROCEEDS	2,311.68
RECEIPT FROM DEPOSIT A/C (TEMPORARY UTILISATION FOR O &M PAYMENT)	7,680.79
INTEREST INCOME	760.94
OTHER INCOME - EMD FORM FEE OF EARLIER YEARS	1,036.85
OTHER INCOME(JJM CONNECTION FEE/O&M REFUND ETC)	1,486.66
OTHER INCOME- CENTAGE CHARGES KIIFB	1,491.16
TOTAL RECEIPTS INCLUDING OB	119,963.25
EXPENSES	
SALARY	32,740.47
PENSION	24,623.03
DCRG, COMMUTATION AND OTHER PENSIONARY BENEFITS	12,927.40
GPF & NPS	8,559.16
HR WAGES	9,487.53
TERMINAL SURRENDER	1,297.77
POWER CHARGES	1,886.70
MEDICAL INSURANCE PREMIUM PAID AND MEDICAL REIMBURSEMENT	2,547.93
OPERATION & MAINTENANCE (O & M)	11,268.44
EARNED LEAVE SURRENDER	369.85
ESTABLISHMENT EXPESES	1,390.69
RECOUPMENT OF FUND TEMPORARILY UTILISED FROM DEPOSIT A/C	4,009.91
GUARANTEE COMMISSION PAID	31.88
LIC- LOAN REPAYMENT INCLUDING INTEREST	1,173.90
TOTAL EXPENSES	112,314.66
CLOSING BALANCE	7,648.58

Chapter X REVENUE MONITORING CELL



Revenue
all the revenue related activities in KWA.

Monitoring Cell is constituted to monitor

The main objectives are:

- a. Accessing the quantum of water consumed, billed and the revenue generated there upon.
- b. Fixing revenue target and new connection target of all Revenue Divisions and monitoring its regular progress. Monitoring of all complaints and petitions related to revenue and settlement of the same.
- c. Monitoring street tapsof local bodies and collection of revenue.
- d. Liaison with all the Revenue Divisions and issuing guidelines.
- e. Preparing monthly consolidated collection statement, connection statement and demand collection balance statement.

Summary of its activities during the years 2020-21.

- (a) 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 initiated revenue recovery proceedings through Revenue Department.
- (b) All sub divisions of Kerala Water Authority are registered under new Revenue Recovery Portal of Government of Kerala and initiated Revenue Recovery proceedings.
- (c) Due to the outbreak of Covid-19 pandemic disease Revenue Adalath for the year 2019-20 completed in 2 District (Malappuram & Palakkadu) and partially in Kollam only. The Other District Level Revenue Adalath conducted in December and January 2020 .The adalath was conducted by Covid protocol and health department rule. The adalath

was conducted for solving long pending complaints and grievances of the consumers. Besides an internal adalath also conducted for unidentified connections and rectified more connections.

(d) Total target for the year 734 crore, collected Rs. 510.47 crore and achieved 69.55% against the target. On 15.03.2021 a war room started for collecting 1000 crore in march 2021 and within 16 days and able to collect 100 crore in one month in the revenue collection history of Kerala Water Authority. As part of war room functioning collection during March was 102.05 crore. This includes an arrear amount collected is Rs 61.34 Crore. The arrears waived is for an amount of Rs 134.34 crore reflected in closing balance during March 2021. Hence the productive achievement of war room during March is arrears collected and amount waived and sum of two amounts are Rs.195.68 crore. Hence it is worthwhile to note that the percentage of achievement in 17 days of war room is 19.58%.

A consolidated statement showing the Demand, Collection, Balance of WaterCharges from Domestic, Non-Domestic, Industrial consumers etc for the year 2020-21.

(Amount in Crore)

Category	Demand including Interest	Collection	Balance
Domestic	334.87	249.73	85.14
NonDomestic	344.86	207.31	137.55
Industrial	17.30	15.42	1.88
Bulk Supply	44.81	38.01	6.80
Total	741.84	483.58	231.40

Arrears of Revenue at the beginning of the year 2020-21: Rs.1243.19 Crore

Arrears of revenue collected during the years 2020-21: Rs. 230.96 Crore

Arrears of Revenue at the end of the year 2020-21: Rs.1316.08 Crore

Arrears of water charges as on 31-03-2021 (Category wise).

Category	Arrears Rs.in Crore
Domestic	313.42
Non Domestic/Special	947.59
Industrial	8.32
Bulk Supply	46.75
TOTAL	1316.08

Total revenue collected from Local Bodies with split up details of revenue collected from Panchayat, Municipality, Corporation, etc during the years as on 31-03-2021.

(Amount in Crore)

Local Bodies	Local Bodies Collection
Panchayath	74.07
Municipality	12.33
Corporation	4.59
TOTAL	90.99

Total number of street taps with split up details of street taps under Panchayat, Municipality and Corporation area as on 31-03-2021.

Local Bodies	Total No. of Street Taps
Panchayath	148513
Municipality	29482
Corporation	18954
TOTAL	196949

Number of street taps added during the year 2020-21 specifying Panchayat, Municipality and Corporation wise details.

Local Bodies	No. of Street Taps added
Panchayath	2244
Municipality	407
Corporation	18
TOTAL	2669

Note: Every year LSGD's are disconnecting their public taps and encourage the house connections in different schemes. LSGDs are also keen in disconnecting their defunct public taps.

Revenue written off/ waived off during the years 2020-21 on settlement under OTS/Internal & Revenue Adalats: **Rs.160.58 Crore**

Subsidy allowed to BPL Consumers consuming upto 15,000 liters of water per month during the year 2020-21: **Rs.7.36 Crore**

Total number of water connections provided during the years 2020-21 showing split up details of Domestic, Non Domestic, Industrial, etc.

Category	Connection provided 2020-21
Domestic	439865
Non Domestic	8959
Special	3639
Industrial	124
Total	452587

Total number of water connections as on 31-03-2021:

Category	Total No. Of Water Connection as on 31.03.2021
Domestic	2921624
Non Domestic	207958
Special	29234
Industrial	2591
Total	3161407

Total number of sewerage connections as on 31-03-2021: **54368**

Sewerage connections added during 2020-21: **157 nos.**

Details of Adalaths conducted during the years 2020-21.

In March 2020 decided to conduct a District Level Revenue Adalath for consumers. But the adalath conducted in three district i.e. Malappuram, Palakkadu and Kollam (Partially) due to the outbreak of Covid-19 pandemic disease. The proposed schedule of adalath was postponed. Postponed District level revenue adalath and internal adalath for un identified connection was conducted in December 2020 and January 2021 with Covid protocol and health department rules. From these 9 District total 13819 petition received, 8339 cases settled and paid Rs.4,87,49486/- in same day and total settled the amount of Rs. 24,43,87,141/- also and Non Domestic consumers agreed OTS. Long pending /huge arrears consumers to allowed installment also. The responses from these consumers where overwhelming as the function was noted with the active participation of consumers. Rectification for unidentified connection conducted an internal adalath in all District.

Important campaigns conducted for Revenue collection during the years 2020-21.

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 initiated through Revenue Department. All sub divisions of Kerala Water Authority are registered under new Revenue Recovery Portal of Government of Kerala and initiated Revenue Recovery proceedings. In Head office level started a 'war room' in March 2021 working with 24x7 hours for collecting arrear amount and clear the major defaulter dues. Propaganda through all mass medias such as news papers, Radio, Visual medias, notices etc.

Seminars, conferences, workshops etc conducted related to revenue collection during the years 2020-21.

Conducted a Revenue review zoom meeting on 29/07/2020, chaired by the Managing Director. In this meeting MD ordered all finance wing staff give additional duty of Sub division level revenue monitoring. On 14.08.2020 conducted a Google meeting by Accounts Member regarding improvement of revenue collections, discussion about self meter reading and bill synchronizing for major consumers. Conducted a Revenue review zoom meeting on 18.09.2020 chaired by the Accounts Member discussed about how to increase the revenue collection in the pandemic covid-19 situation, 100% billing 100% collection. Conducted a revenue review zoom meeting on 20.11.2020 chaired by the Managing Director, discussed about the Target and collection achievement in each divisions. As per the Direction from the ACS in March 2021 for collection drive a "WAR ROOM" was established in Head Office level working in 24x7 hours. Revenue Task Force meeting conducted in Circle and Division level in every months and necessary directions and guide lines given to Sub Division/Section level officers.

Activities of Blue Brigade, Anti theft squad etc during the year 2020-21.

Blue Brigade is currently in operation to address pipe fractures very quickly for the implementation of the Leak Detection and Survey lance Squad, Anti Water Theft Squad and Blue Brigade. Subordinate Offices have been instructed to implement the extension of the Blue Brigade system.

The Anti theft squad in each division office are to be made more effective from present level to identify the water theft and the loss of revenue due to unknown leaks and to find out any theft or unauthorized activities. The unit is effective in Central region Kochi.

Statistical presentation of Licenses/connection issued during the year 2020-21.

New connections provided for the year 2020-21 is **452587** with Domestic connection **439865**, Non domestic - **8659**, Special -**3639** and Industrial -**124**.

Opening balance as on 01.04.2020

(Amount in Crore)

Category	Opening Balance as on 01/04/2020
Domestic	262.69
Non Domestic/Special	926.86
Industrial	9.96
Bulk Supply	43.68
TOTAL	1243.19

Licenses/connections issued during the year 2020-21.

New connections provided during the year 2020-21 was **452587** out of which Domestic connections were **439865**, Non domestic **8659**, Special **3639** and Industrial **124**.

Details of pending arrear collected during the year 2020-21: **Rs.230.96 Crore**

Chapter XI ESTABLISHMENT

Head Office	1
Regional Office	3
Sewerage PPD & WASCON	1
Circle Offices	17
Division Offices	49
Sub Division Offices	108
Section Offices	258

1. Details of Regional Offices, Circle Offices and Division Offices 2020-21.

SI No.	NAME OF OFFICES	OFFICE TYPE		
1	CE, CENTRALREGION, KOCHI	REGIONAL OFFICES		
2	CE, NORTHERN REGION, KOZHIKODE			
3	CE, SOUTHERN REGION, TRIVANDRUM			
4	CE, SEWERAGE,PPD & WASCON, TRIVANDRUM			
SI No.	NAME OF OFFICES	OFFICE TYPE	DISTRICT	PARENT OFFICE
1	SEWERAGE CIRCLE, TRIVANDRUM	SEWERAGE CIRCLE OFFICES	TRIVANDRUM	CE, WASCON, TRIVANDRUM
2	SEWERAGE CIRCLE, KOCHI		ERNAKULAM	CE, WASCON, TRIVANDRUM
3	SEWERAGE CIRCLE, THRISSUR		ERNAKULAM	CE, WASCON, TRIVANDRUM
4	SEWERAGE CIRCLE, KOZHIKODE		KOZHIKODE	CE, WASCON, TRIVANDRUM
SI No.	NAME OF OFFICES	OFFICE TYPE	DISTRICT	PARENT OFFICE
5	SRI NETTOOR	CIRCLE OFFICE	ERNAKULAM	CE, CENTRALREGION, KOCHI
6	P H CIRCLE KOCHI	CIRCLE OFFICE	ERNAKULAM	CE, CENTRALREGION, KOCHI
7	P H CIRCLE MUVATUPUZHA	CIRCLE OFFICE	ERNAKULAM	CE, CENTRALREGION, KOCHI
8	P H CIRCLE THRISSUR	CIRCLE OFFICE	THRISSUR	CE, CENTRALREGION, KOCHI
9	PH CIRCLE ALAPPUZHA	CIRCLE OFFICE	ALAPPUZHA	CE, CENTRALREGION, KOCHI
10	P H CIRCLE KANNUR	CIRCLE OFFICE	KANNUR	CE, NORTHERN REGION, KOZHIKODE
11	P H CIRCLE KOZHIKODE	CIRCLE OFFICE	KOZHIKODE	CE, NORTHERN REGION, KOZHIKODE
12	P H CIRCLE MALAPPURAM	CIRCLE OFFICE	MALAPPURAM	CE, NORTHERN REGION, KOZHIKODE
13	P H CIRCLE PALAKAD	CIRCLE OFFICE	PALAKKAD	CE, NORTHERN REGION, KOZHIKODE
14	P H CIRCLE KOLLAM	CIRCLE OFFICE	KOLLAM	CE, SOUTHERN REGION, TRIVANDRUM
15	P H CIRCLE KOTTAYAM	CIRCLE OFFICE	KOTTAYAM	CE, SOUTHERN REGION, TRIVANDRUM
16	P H CIRCLE TRIVANDRUM	CIRCLE OFFICE	TRIVANDRUM	CE, SOUTHERN REGION, TRIVANDRUM

17	P H CIRCLE THIRUVALLA	CIRCLE OFFICE	PATHANAMTHITTA	CE, SOUTHERN REGION, TRIVANDRUM
SI No.	NAME OF OFFICES	OFFICE TYPE	DISTRICT	PARENT OFFICE
1	P H DIVISION PATHANAMTHITTA	DIVISION OFFICE	PATHANAMTHITTA	P H CIRCLE THIRUVALLA
2	P H DIVISION THIRUVALLA	DIVISION OFFICE	PATHANAMTHITTA	P H CIRCLE THIRUVALLA
3	PROJECT DIVISION ADOOR	DIVISION OFFICE	PATHANAMTHITTA	P H CIRCLE THIRUVALLA
4	PROJECT DIVISION KANNUR	DIVISION OFFICE	KANNUR	P H CIRCLE KANNUR
5	PROJECT DIVISION MATTANNUR	DIVISION OFFICE	KANNUR	P H CIRCLE KANNUR
6	W S DIVISION KANNUR	DIVISION OFFICE	KANNUR	P H CIRCLE KANNUR
7	WS DIVISION THALIPARAMBU	DIVISION OFFICE	KANNUR	P H CIRCLE KANNUR
8	P H DIVISION KASARGOD	DIVISION OFFICE	KASARAGOD	P H CIRCLE KANNUR
9	P H DIVISION ALUVA	DIVISION OFFICE	ERNAKULAM	P H CIRCLE KOCHI
10	P H DIVISION KOCHI	DIVISION OFFICE	ERNAKULAM	P H CIRCLE KOCHI
11	PROJECT DIVISION PERUMBAVUR	DIVISION OFFICE	ERNAKULAM	P H CIRCLE KOCHI
12	P H DIVISION MUVATTUPUZHA	DIVISION OFFICE	ERNAKULAM	P H CIRCLE MUVATTUPUZHA
13	WS DIVISION KOCHI	DIVISION OFFICE	ERNAKULAM	P H CIRCLE KOCHI
14	JNNRUM PROJECT DIVISION, KOCHI	DIVISION OFFICE	ERNAKULAM	SEWERAGE CIRCLE, THRISSUR
15	P H DIVISION KOLLAM	DIVISION OFFICE	KOLLAM	P H CIRCLE KOLLAM
16	P H DIVISION KOTTARAKKARA	DIVISION OFFICE	KOLLAM	P H CIRCLE KOLLAM
17	PROJECT DIVISION KOLLAM	DIVISION OFFICE	KOLLAM	P H CIRCLE KOLLAM
18	P H DIVISION KADUTHURUTHY	DIVISION OFFICE	KOTTAYAM	P H CIRCLE KOTTAYAM
19	P H DIVISION KOTTAYAM	DIVISION OFFICE	KOTTAYAM	P H CIRCLE KOTTAYAM
20	PROJECT DIVISION KOTTAYAM	DIVISION OFFICE	KOTTAYAM	P H CIRCLE KOTTAYAM
21	P H DIVISION KOZHIKODE	DIVISION OFFICE	KOZHIKODE	P H CIRCLE KOZHIKODE
22	P H DIVISION VADAKARA	DIVISION OFFICE	KOZHIKODE	P H CIRCLE KOZHIKODE
23	PROJECT DIVISION KOZHIKODE	DIVISION OFFICE	KOZHIKODE	P H CIRCLE KOZHIKODE
24	P H DIVISION SULTHANBATHERY	DIVISION OFFICE	WAYANAD	P H CIRCLE KOZHIKODE
25	P H DIVISION EDAPPAL	DIVISION OFFICE	MALAPPURAM	P H CIRCLE MALAPPURAM
26	P H DIVISION MALAPURAM	DIVISION OFFICE	MALAPPURAM	P H CIRCLE MALAPPURAM
27	PROJECT DIVISION MALAPURAM	DIVISION OFFICE	MALAPPURAM	P H CIRCLE MALAPPURAM
28	P H DIVISION THODUPUZHA	DIVISION OFFICE	IDUKKI	P H CIRCLE MUVATUPUZHA
29	PROJECT DIVISION KATTAPANA	DIVISION OFFICE	IDUKKI	P H CIRCLE MUVATUPUZHA
30	P H DIVISION PALAKKAD	DIVISION OFFICE	PALAKKAD	P H CIRCLE PALAKAD
31	P H DIVISION SHORNUR	DIVISION OFFICE	PALAKKAD	P H CIRCLE PALAKAD
32	W S PROJECT DIVISION PALAKKAD	DIVISION OFFICE	PALAKKAD	P H CIRCLE PALAKAD
33	W S PROJECT DIVISION CHITTUR	DIVISION OFFICE	PALAKKAD	P H CIRCLE PALAKAD
34	P H DIVISION IRINJALAKUDA	DIVISION OFFICE	THRISSUR	P H CIRCLE THRISSUR
35	P H DIVISION THRISSUR	DIVISION OFFICE	THRISSUR	P H CIRCLE THRISSUR
36	PROJECT DIVISION NATTIKA	DIVISION OFFICE	THRISSUR	P H CIRCLE THRISSUR
37	H W DIVISION ARUVIKARA	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
38	P H DIVISION (NORTH) TRIVANDRUM	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
39	P H DIVISION SOUTH TRIVANDRUM	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
40	PROJECT DIVISION TRIVANDRUM	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
41	SEWERAGE DIVISION TRIVANDRUM	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
42	W S DIVISION ATTINGAL	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
43	W S DIVISION NEYYATINKARA	DIVISION OFFICE	TRIVANDRUM	P H CIRCLE TRIVANDRUM
44	P H DIVISION ALAPUZHA	DIVISION OFFICE	ALAPPUZHA	PH CIRCLE ALAPPUZHA
45	UIDSSMT PROJECT DIVISION ALAPPUZHA	DIVISION OFFICE	ALAPPUZHA	PH CIRCLE ALAPPUZHA
46	KIIFB PIU PROJECT DIVISION ALAPPUZHA	DIVISION OFFICE	ALAPPUZHA	PH CIRCLE ALAPPUZHA
47	QUALITY CONTROL DIVISION KOCHI	DIVISION OFFICE	ERNAKULAM	SRI NETTOOR
48	QUALITY CONTROL DIVISION KOZHIKODE	DIVISION OFFICE	KOZHIKODE	SRI NETTOOR
49	QUALITY CONTROL DIVISION TRIVANDRUM	DIVISION OFFICE	TRIVANDRUM	SRI NETTOOR

2. Number of promotions ordered in various cadres for the period from 01-04-2020 to 31-03-2021.

SI No	Designation	Nos
1	Superintending Engineer to Chief Engineer	1
2	Executive Engineer to Superintending Engineer	6
3	Assistant Executive Engineer to Executive Engineer	11
4	Assistant Engineer to Assistant Executive Engineer	20
5	Draughtsman Grade I to Assistant Engineer	13
6	Draughtsman Grade II to Draughtsman Grade I	97
7	Overseer Grade III to Draughtsman Grade II	21
8	Senior Superintendent/ Revenue Officer to Accounts Officer	4
9	Divisional Accounts Officer to Senior Superintendent/ Revenue Officer	10
10	Junior Superintendent to Divisional Accounts Officer	13
11	Head Clerk to Junior Superintendent	22
12	Upper Division Clerk to Head Clerk	17
13	Lower Division Clerk to Upper Division Clerk	5
14	Operator to Head Operator	58
15	Head Operator to Mechanical Superintendent	2
16	Meter Inspectors to Senior Meter Inspectors	10
17	Meter Reader to Meter Inspectors	38
18	Plumber to Plumbing Inspector	1
19	Last Grade to LDC	8
	Total	357

3. Appointment in various cadres by Kerala Public Service Commission in various cadres for the period from 01-04-2020 to 31-03-2021.

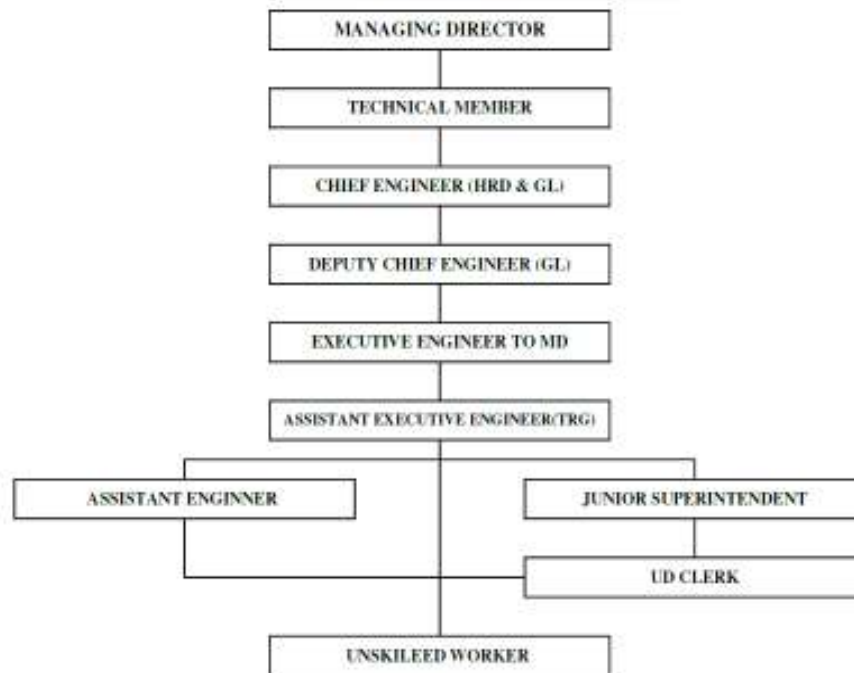
SI No	Designation	Nos
1	Lascar	34
2	Assistant Engineer	13
3	Surveyor Gr.II	38
4	Fitter	9
5	Plumber	8
6	Lower Division Clerk	46
7	Office Attendant	116
8	Watchman	116
	Total	380

4. Staff Strength of Kerala Water Authority during the period 01-04-2020 to 31-03-2021.

1	Total employee strength of Kerala Water Authority	6668 Nos
2	Retirement During the year	146 Nos
3	Vacancies Reported to PSC	744 Nos
4	Dismissals during the year	0 No
5	Disciplinary proceedings against employees	18 Nos
6	No.of Vigilance Committee conducted 2020-21	28 Nos
7	No. Of vigilance Case pending 2020-21	53 Nos

5. Post Created/Abolished during the year2020-21. – 52 Lower Division Typist.

Chapter XII TRAINING ACTIVITIES



Report of activities conducted in Training Centre during FY 2020-21.

Due to COVID 19 pandemic and related Government Orders, there were severe restrictions in classroom/residential trainings, workshops, seminars and related activities. Training Hostel was taken over by Revenue Authorities for activities related to control of COVID 19. Only three classroom programmes were held, Online Training was started and widely conducted during the FY2020-21.

2093 KWA Officials were trained in 53 In-House Training programmes during **2020-2021**. **61** KWA Officials were nominated for attending the 9 Online Trainings conducted by External Agencies. Total number of KWA Officials trained in 62 programmes, including both In-House Training and Outstation Programmes are **2154**.

Awareness Programmes on JJM were arranged for various Panchayath Authorities/Officials. In such 22 programmes arranged, **781** persons participated. An online presentation was conducted to Faculties of SCMS College of Engineering, Kochi and Technical staffs of KWA Kochi Circle (total 62 Nos. of participants) on the subject “Master Plan for Smart Water Supply System to Kochi”. Also, an awareness Programme, followed by discussion with MD to **8** IAS Officers of Kerala Cadre-2019 was conducted, as per directions received from Director, IMG. Total number of personnel covered outside KWA in 24 programmes are **851**.

Total numbers of persons benefitted from the activities of Training Centre both KWA Officials and personnel outside KWA in 86 programmes is **3005**.

No Workshops / Seminars were conducted during the year, and there were no CPHEEO sponsored refresher courses. No nominations were submitted for Classroom/Residential programs conducted by other agencies within or outside the state.

No officers were deputed for doing M. Tech programme, as the nominations from KWA were rejected by DTE and the decision of DTE was upheld by Hon’ble High Court of Kerala. Government have been addressed for issuing fresh GO in this regard, for availing the opportunity in coming years.

Financial Details

The plan fund available for “Human Resource Development, Research and Development and Quality Control” was Rs. 200 lakh as per budget provision 2020-2021. The total expenditure (FY: 2020-2021) incurred up to March 2020 for training activities is Rs. 12,93,541/-. This is excluding (i) the TA and DA paid for the 2 classroom trainings which are to be disbursed from the respective offices to which the participants belong (approximately Rs. 10,000/- which can be booked under the training head: 3461), (ii) the reimbursement of Rs. 23,800/- towards M.Tech tuition fees and exam fees of Engineers who were deputed during previous years, and (iii) payment on account of Part bill towards Housekeeping Activities of Training Centre (Approx. Rs. 16.00 Lakh). Thus, the total expenditure for training activities was Rs. 29.00 lakh approximately. Reason for the reduction in expenditure is due to COVID 19 pandemic and related Government Orders, as a result of which, there were severe restrictions in classroom/residential trainings, workshops, seminars and related activities.

During last year, there were no income on account of rent for training halls and hostel rooms. An amount of Rs. 72,100/- as arrears as on 31-03-2021 from Directorate of State Lotteries Department, Thiruvananthapuram is still pending. They are being constantly addressed and contacted over phone for remitting the payment due.

TRAINING ACTIVITIES CONDUCTED DURING THE FY 2020-21 ABSTRACT OF TOTAL ACTIVITIES

Sl. No.	Type of Programme	Number of Programmes	Participants	Hours
1	IHT (In House Training) - KWA Officials	54	2093	211.5
2	OP (Outside Programme) - KWA Officials	8	61	41
3	Awareness - JJM - Panchayath Authorities/Officials	22	781	20
4	Training - SCMS College of Engineering, Kochi - Smart Watering to Kochi.	1	62	3
5	Attachment - 2019 Batch IAS Officers	1	8	8
	TOTAL	86	3005	283.5

TRAINING ACTIVITIES CONDUCTED DURING THE FY 2020-21
INHOUSE TRAININGS AND JJM AWARENESS TO PANCHAYATH AUTHORITIES

Sl.No	Date	Programme& Subject	Total Duration	No of Participants Attended	Remarks
1	10-08-20	Factory Testing of Stoneware pipe	2 Hrs	43	Online Trg
2	11-08-20	JJM- Awareness Trg to Panchayath Authorities/Officials	1 Hr	22	Online Trg
3	13-08-20	e-tendering	4 Hrs	72	Online Trg
4	14-08-20	JJM- Training to KWA Officials	1 Hr	47	Online Trg
5	17-08-20	JJM- Awareness Trg to Panchayath Authorities/Officials	1 Hr	47	Online Trg
6	19-08-20	Trg on " Tenders& Contracts"	2 Hrs	65	Online Trg
7	19-08-20	JJM- Awareness Trg to Panchayath Authorities/Officials	1Hr	59	Online Trg
8	20/8/2020 & 21-08-2020	Material Management & Trial Balance	4 Hrs	31	Online Trg
9	08-09-20	IHT- VigilanceAwareness	4 Hrs	28	Online Trg
10	16-09-20	Awareness – JJM- Panchayath Authorities/Officials	1 Hrs	49	Online Trg
11	15/9/2020 & 16-09-2020	IHT-Preparation of DPR for Sewerage Schemes	8.50 Hrs	32	Online Trg

12	19-09-20	Awareness – JJM- KWA officers	4 Hrs	90	Online Trg
13	23-09-2020 & 24/9/2020	IHT – Essential Service Rules	8 Hrs	44	Online Trg
14	26-09-20	Awareness – JJM – KWA officers	4 Hrs	96	Online Trg
15	29-09-20	Awareness – JJM – Panchayath Authorities/Officials	1 Hr	66	Online Trg
16	30-09-20	IHT- Legal aspects and disciplinary procedure	4 Hrs	18	Online Trg
17	03-10-20	Awareness – JJM – KWA officers	3 Hrs	58	Online Trg
18	06-10-20	IHT- Tender Evaluation 2 – Cover System	3 Hrs	47	Online Trg
19	07-10-2020 & 08/10/2020	IHT – e - tendering	10 Hrs	54	Online Trg
20	13-10-20	IHT – Stress Management	3 Hrs	22	Online Trg
21	13-10-20	Awareness – JJM – Panchayath Authorities/Officials	1 Hrs	47	Online Trg
22	15-10-20	IHT – O&M of Water Distribution System	3 Hrs	41	Online Trg
23	15-10-20	IHT – DDFS – Pension, Payslip	4 Hrs	13	Online Trg
24	16-10-20	Awareness – JJM - Panchayath Authorities/Officials	1 Hrs	26	Online Trg
25	06-11-20	IHT- GIS using Mapping using google earth	1 Hrs	10	Online Trg
26	11-11-20	IHT- GIS using Mapping using google earth	1 Hrs	14	Online Trg

27	05-11-20	Awareness – JJM – Panchayath Authorities/Officials	1 Hrs	18	Online Trg
28	06-11-20	Awareness – JJM – Panchayath Authorities/Officials	1 Hrs	25	Online Trg
29	10-11-20	IHT- Dealing with Public	6 Hrs	17	Online Trg
30	11-11-20	IHT- Training for the newly deployed staff of Customer Complaint Call Centre at CCU building	6 Hrs	5	Class room Training
31	13-11-20	IHT- Training for the newly deployed staff of Customer Complaint Call Centre at CCU building	6 Hrs	6	Class room Trg
32	18-11-20	IHT-Preparation of Projects Reports	4Hrs	100	Online Trg
33	19-11-20	IHT-Court Procedure	2 Hrs	65	Online Trg
34	20-11-20	IHT-GST	5 Hrs	55	Online Trg
35	30-11-20	IHT- Supervision of Construction	3 Hrs	30	Online Trg
36	1/12/2020 & 02-12-2020	IHT-E Tendering	10 Hrs	38	Online Trg
37	17/12/2020 & 18-12-2020	IHT-Preparation of Monthly Accounts, Trial Balance & Bank reconciliation	10 Hrs	58	Online Trg
38	28-12-20	IHT- Training on BharanabhaashaMaathrubhaasha	5 Hrs	19	Online Trg
39	30-12-20	IHT-Time Management	3 Hrs	20	Online Trg

40	15-01-21	JJM-Awareness to Panchayath Authorities/Officials	1 Hrs	25	Online Trg
41	19-01-21	IHT-Preparation of Project Reports	4 Hrs	19	Online Trg
42	20-01-21	IHT-Method of Measurement	2 Hrs	14	Online Trg
43	21-01-21	IHT-Retirement Planning	2 Hrs	13	Online Trg
44	23-01-21	JJM-Awareness to Panchayath Authorities/Officials	1 Hrs	23	Online Trg
45	25-01-21	IHT-KSR	1 Hrs	20	Online Trg
46	27-01-21	IHT-Right To Information	4 Hrs	17	Online Trg
47	28/1/2021 & 29-01-2021	IHT-EPANET	10 Hrs	17	Class Room Training
48	29/1/2021 & 30-01-2021	IHT-Refresher Course to Meter Readers and Meter Inspectors	8 Hrs	35	Online Trg
49	04-02-21	JJM-Awareness to Panchayaths	1 Hrs	12	Online Trg
50	05-02-21	JJM-Awareness to Panchayath Authorities/Officials	1 Hrs	18	Online Trg
51	11-02-21	IHT-KSR	1 Hrs	19	Online Trg
52	12-02-21	IHT-O&M of Water Supply Distribution System	3 Hrs	16	Online Trg
53	15-02-21	IHT-PASK	1.5 Hrs	35	Online Trg
54	15-02-21	IHT-PASK	1.5 Hrs	64	Online Trg
55	16-02-21	IHT-PASK	1.5 Hrs	47	Online Trg
56	17-02-21	JJM-Awareness to Panchayath Authorities/Officials	1 Hrs	32	Online Trg
57	18-02-21	IHT-Material Management System	2 Hrs	17	Online Trg
58	19-02-21	IHT- Bill Audit	4 Hrs	12	Online Trg
59	23-02-21	IHT- Help Desk Manager	3 Hrs	7	Online Trg
60	24-02-21	IHT - IMIS	3 Hrs	100	Online Trg
61	25-02-21	IHT- KSR Part III	4 Hrs	31	Online Trg
62	26-02-21	IHT -IMIS	3 Hrs	86	Online Trg
63	26-02-21	IHT- KSR	1 Hrs	13	Online Trg

64	02-03-21	IHT- IMIS	3 Hrs	82	Online Trg
65	4/3/2021&5/3/2021	GIS based Asset Mapping	5 Hrs	52	Online Trg
66	06-03-21	JJM- Awareness to Panchayath Authorities/Officials	1Hr	62	Online Trg
67	09-03-21	IHT-KSR for the Establishment Staff	1Hr	21	Online Trg
68	09-03-21	JJM- Awareness- Panchayath Authorities/Officials	1Hr	53	Online Trg
69	10-03-21	JJM- Awareness Panchayath Authorities/Officials	1Hr	68	Online Trg
70	17-03-21	IHT- KSR Part II-	3 Hrs	33	Online Trg
71	18-03-21	IHT- Training on “PASK”	1.50 Hr	82	Online Trg
72	18/3/2021&19/3/2021	IHT-Water Quality Surveillance and Monitoring	1 Hr	42	Online Trg
73	19-03-21	JJM- Awareness- Panchayath Authorities/Officials	1Hr	42	Online Trg
74	20-03-21	JJM- Awareness- Panchayath Authorities/Officials	1Hr	50	Online Trg
75	30-03-21	JJM- Awareness- Panchayath Authorities/Officials	1Hr	37	Online Trg
76	30-03-21	Help Desk Manager	3 Hrs	15	Online Trg
TOTAL(54+22=76)			231.50 Hr (211.5+20)	2874 Nos (2093+781)	

TRAINING ACTIVITIES CONDUCTED DURING THE FY 2020-21**OUTSIDE PROGRAMMES**

SL No	Date	Name of programme	Time (Hrs)	No. of participants attended
1	23/9/2020	ESCO Model of Meters	3	10
2	05/10/2020 &07/10/2020	IT enabled applications in Water Supply and Sewerage Projects	12	1
3	7/12/2020 to 9/12/2020	3 days online professional Development Programme on “ Sewerage Treatment Process”- Conventional and advanced technologies	18	3
4	18/12/2020	Webinar on “Operations and Maintenance of Water assets in urban sector-2020”	2.5	2
5	23/12/2020	Water Infra suit	1	30
6	29/12/2020	Online presentation on “Electromagnetic and Ultrasonic flowmeters”	1	10
7	2/03/2021	Online Training on GeM	2	2
8	19/03/2021	Webinar on issues and Challenges in implementing W.S Projects	1.50	3
TOTAL			41	61

STAFF DETAILS AS ON 31.3.2021

Sl. No.	Designation	Name of Staff
1	Assistant Executive Engineer	Sri. Ganesh.R
2	Assistant Engineer	Smt.BeenaB.Nair
3	Junior Superintendent	Sri.Anil Kumar G.
4	UD Clerk (H/G)	Vacant
5	LD Clerk	Vacant
6	L.D.Typist	Vacant
7	Office Attendant	(Vacant)
8	U/S Worker (On working arrangement)	Sri. Mathew Silas

Chapter XIII

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 uses the accumulations at retirement to procure a pension for the rest of his life.

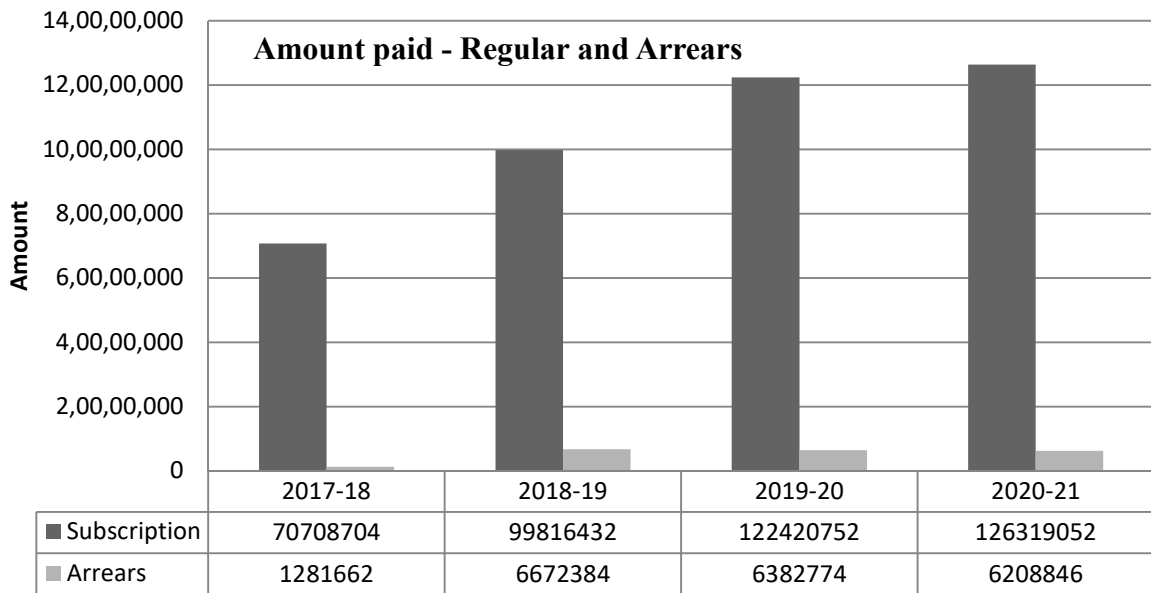
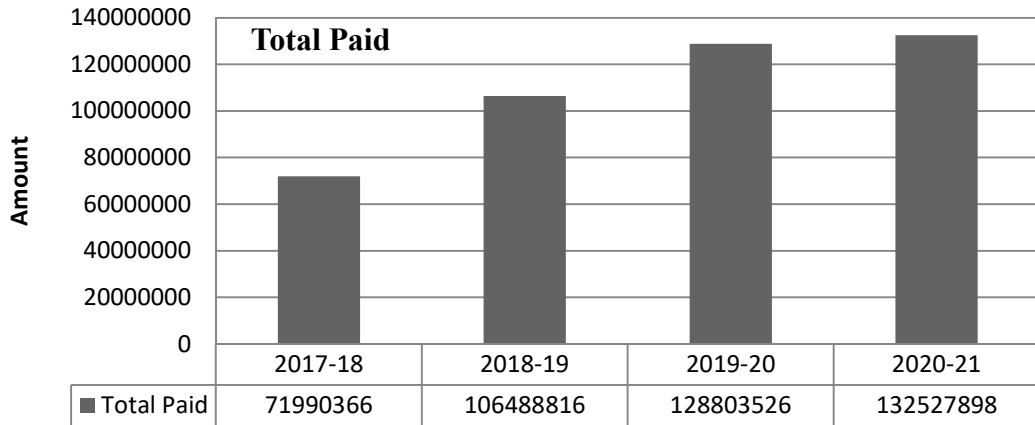
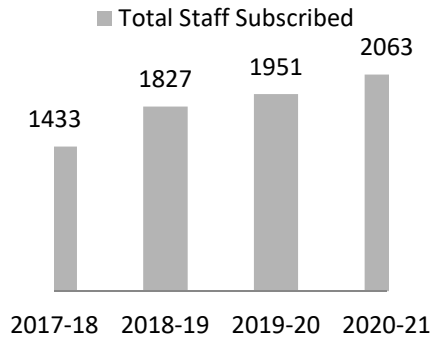
The Pension Fund Regulatory & Development Authority Act was passed on 19th September, 2013 and the same was notified on 1st February, 2014. PFRDA is regulating NPS, subscribed by employees of Govt. of India, State Governments and by employees of private institutions/organizations & unorganized sectors.

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.

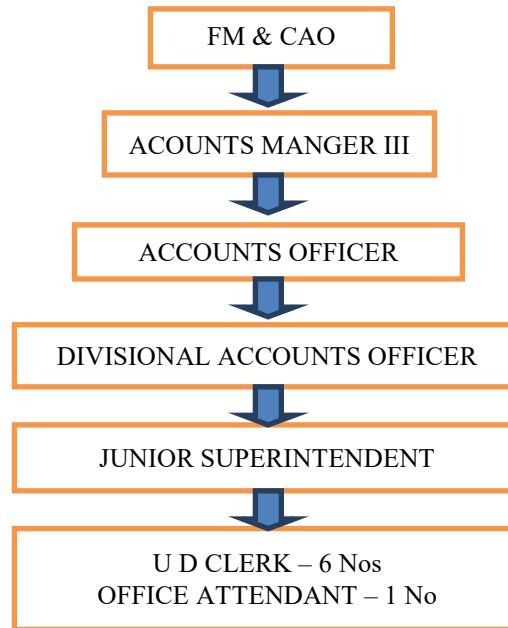
Vide Office Order No. KWA/JP/E20/O&M/7307/2006 dated 18/04/2015 NPS Cell was constituted in Head office of KWA for the implementation of NPS. In response to the application submitted to the Finance Wing, Government of Kerala for operationalization of NPS in KWA, the NSDL e-Governance Infrastructure Ltd vide Letter No: CT/SS/VH/MT/201531655 dated 7-5-2015 informed that the registration of KWA in the CRA system of NPS is completed. The deduction of NPS subscriptions was effected from the salary of June 2015 and the recovery of subscription for the backlog period were started from salary of August 2015 onwards. The centralised mode of payment is executed in KWA for NPS. All account rendering units of KWA forward the details of deduction of NPS subscriptions done in their offices through the NPS Recovery Schedule (PA 30) to NPS Cell of Head Office for payment. Based on this, KWA contribute matching share of subscription. For the year 2020-21, KWA remitted Rs. 13,25,27,898/- for NPS purpose which includes Rs. 12,63,19,052 /- as regular subscription and Rs. 62,08,846 /- as arrears including DA arrear . For the year 2020-21, 208 number of new subscribers were registered for NPS from Kerala Water Authority. The Superannuation Withdrawal Request of three subscribers were authorised and a total of Rs. 7, 26,254.76/- (60% of the total accumulated pension wealth)as transferred to their respective bank accounts during the financial year.

	2017-18	2018-19	2019-20	2020-21
Total Staff Subscribed	1433	1827	1951	2063
New Staff Added	281	417	168	208
Subscription	70708704	99816432	122420752	126319052
Arrears	1281662	6672384*	6382774**	6208846
Total Paid	71990366	106488816	128803526	132527898
*This includes Pay Revision Arrears and DA arrears				

NPS Subscription



Chapter XIV PENSION DISBURSEMENT CELL



Kerala Water Authority started pension payment through Bank in December 1992 with the objective of providing retirement benefits to all the pensioners without approaching the Accounts Rendering Units and to inculcate the habit of saving. Initially, the system of pension being made through the bank was under the control of FM&CAO started with 5 pensioners, who opted for pension through Bank. Pre-printed cheques of Syndicate Bank were used then for disbursement of pension. The cheques for pension with 1st date of coming month were prepared and sent to the concerned pensioner by certificate of posting.

The operational procedure of pension disbursement through Bank was populated as a booklet and was sent to all Divisions inviting options from the pensioners who wish to receive pension by way of Bank disbursement. The number of pensioners who opted for pension through Bank increased gradually. From 2002 April 1st M/s. SBI, the then SBT was also included in the bank's and a new system was introduced i.e., transfer of funds was made directly from the bank to the pensioners account. For this purpose, Demand Draft was given branch wise for State Bank and Syndicate Bank. Both SBI & Syndicate banks charged for the demand draft and were debited from the pensioners equally who opted payment of pension through bank. Due to pensioner's complaints, and also there was a case filed against the demand draft charges which was being debited from the pensioners account in which the pensioner won the case. Since SBT has agreed to waive off the charges for DD, SBT alone was allowed for the disbursement of pension through the Bank and Syndicate Bank was avoided from disbursement of pension. The pension payment being processed through FOXPRO Software. From October 2005 core banking was introduced and the account number of the pensioners was changed to 11 digits and this system continued till 2014.

In May 2014 Centralized Pension Disbursement Cell was constituted as per the direction of the Managing Director, under the control of FM&CAO for payment through Bank. After collecting all PPO's from Division offices where the pension payments were being disbursed, with effect from May 2014 the centralised disbursement of pension through bank from Head Office, Pension Disbursement Cell came into effect. All other modes of payment of pension

except money order was stopped and payment being made only from Head office through Bank. Money order commission charges for those who opted for money order above 80 years of age are being paid by KWA.

After centralization of pension payment, pension disbursement was made through a tool in FOXPRO. It was a single user interface program. There for all the process wants to be done in a single computer. Otherwise there was a chance of data missing. Even though the processing of pension in FOXPRO for nearly 10,000 pensioners was a difficult task, this system was continued. During 2019, proposal for changing disbursement process to new web based multi user software was admitted. The work was assigned to National Informatics Centre.NIC developed a test version of pension disbursement software for Kerala Water Authority during 2020 as per the requirements. During 2021, pension processing was doing parallel through FOXPRO and new software for testing. As on 31.03.2021, parallel pension processing through FOXPRO and new software was going on and minor issues during the process were solved by NIC.

Owing the COVID pandemic, pensioners finding of difficulties to submit their life certificate coming to the office in person. For easing their hardship Pension Disbursement Cell offered to do mustering over video call through Watsapp to pensioners of Kerala Water Authority. Procedure to implement jeevanpramaan, for submitting life certificate also was started during this period. On implementing the same KWA Pensioners can submit their Life certificates digitally through Akshaya centres or post offices any were in India.

Number of Pensioners as on 31-03-2021

There are 9342 pensioners as on 31-03-2021. The details are as follows,

Service pensioners	-	6897 Nos.
Family pensioners	-	2424 Nos.
Other type pensioners	-	21 Nos.

TOTAL	-	9342 Nos.
		=====

Chapter XV INTERNAL AUDIT WING

Introduction

Internal Audit was developed as a tool to the Management to ensure that each unit of the organization follows the policies, procedures and instructions laid down by the Government/Management and records are maintained accurately and promptly. Since the formation of Kerala Water Authority with effect from 01-04-1984, an Internal Audit Wing has been constituted, headed by two Internal Auditors. The main intention of the Internal Audit Wing is to prevent fraud, errors, omission, theft, and misappropriation of revenue. This Wing is under the supervisory control of Accounts Member. The procedure prescribed in the Hand Book of Guidelines on Internal Audit issued by Finance (IAC) Department, Government of Kerala is followed by IA wing. The staff strength of this Wing is as follows:-

Sl. No	Designation	Sanctioned strength and (Men in position)
1	Internal Audit Officers	2 (2)
2	Accounts Officer	1 (1)
3	Divisional Accounts Officers	3 (3)
4	Junior Superintendent	2 (1)
5	Head Clerks	3 (2)
6	LD Clerks	1 (0)
7	UD Clerks	1 (0)
8	LD Typists	2 (0)
9	Office Attendant	1 (1)

With the help of above staff two audit teams were constituted to conduct the regular audit of various Accounts Rendering Units (ARUs). There are 67 ARUs in KWA and covered by rotation. The Audit teams verify the Establishment matters (checking of Service Books, pay fixation, EL surrender, etc.), Monthly Accounts, Cash Book, Cheque Memo Register, Revenue related matters, Contractors' Bill payments, etc., by observing the Handbook and Guidelines, Orders and Circulars issued by the Government/Head Office. Besides the regular audit, special audits were also being conducted based on the directions of higher authorities.

In addition to the above, the Internal Audit Wing is also responsible for arranging replies to Inspection Reports of the Accountant General/ Draft paragraphs to the Government and also to various Legislative Committees like PAC/Committee on Public Undertakings, Subject Committee, etc.

There are two Stock Verification Sub Divisions headed by Assistant Executive Engineers located in Thiruvananthapuram and Kozhikode functioning under the administrative control of the respective Superintending Engineers. The stock verifications are conducted based on the approved programme. The Stock Verification Reports (SVRs) are submitted to the Accounts Member through IA Wing. The SVRs are transmitted to respective Division Offices for obtaining comments and corrective measures. The replies received from the Executive Engineers of the

Divisions are also given to the Asst. Executive Engineers/Stock Verification teams for detailed scrutiny through IA Wing. The Assistant Engineers (AEs) are the custodian of materials at Division/ Section Stores and liability on shortage, if any reported, are assessed and recovered from the concerned AEs.

Details of Audit conducted by IA Wing during 2020-21

Due to the Covid- 19 Pandemic and consequent lockdown from time to time, the Internal Audit cannot be conducted regularly during the year 2020-21. As such, only two Divisions were inspected as detailed below. However, as per the direction from the higher authorities, IA Wing has conducted two special audit at Waterworks (Subdivision/West), Pongummoodu and Central Sub Division, Thiruvananthapuram in connection with misappropriation of water charges collection and detected a loss of Rs.28,48,889/- (with interest) to KWA. The Inspection Report was submitted to the Deputy Chief Engineer(Vig.), Kerala Water Authority, and recommended to initiate suitable action against Sri. Darwin, Head Clerk and Smt. Anithakumari, Junior Superintendent.

Sl.No.	Audit	Year	No. of audit conducted
1	Regular	2020-21	1. PH Division/ Pathanamthitta 2. Project Division, Kollam
2	Special	2020-21	1. Waterworks Sub Division, Pongummoodu, Tvpm 2. Central Sub Division (North) Thiruvananthapuram

Details of revenue misappropriation loss detected during Special Audit:-

Name of Division	Name of person	Amount (in Rs.)
PH(N) Division, Thiruvananthapuram	Shri Darwin, HC	Rs.7,73,625/- (including interest Rs.114127/-)
PH(N) Division, Thiruvananthapuram	SmtAnithakumari, JS	Rs.20,75,264/- (including interest Rs.980143)

Stock Verification of Divisions

Stock verification Sub division No. I which has Headquarters at Thiruvananthapuram and attached to P H Circle, Thiruvananthapuram has jurisdiction of verification of 27 Divisions(18 Divisions and 9 Project Divisions). Similarly, Stock verification Subdivision No.II which has Headquarters at Kozhikkode and attached to PH Circle Kozhikode which has jurisdiction of verification of 18 Division (12 Divisions and 6 Project Divisions).The details of stock verification conducted by the two Sub divisions are as follows:-

Name of Stock Verification Sub Division	Year	No. of offices inspected
Thiruvananthapuram	2020-21	7
Kozhikode	2020-21	11

The replies related to PUC, PAC, COPU and C&AG Report are also furnished to the Government by the Internal Audit Wing as and when called for by consolidating the replies along with documentary evidences furnished concerned offices. During the year 2020-21, the Internal Audit wing conducted review meetings for all ARU's under this organization and this has helped in reducing the number of pending paras of LAR.

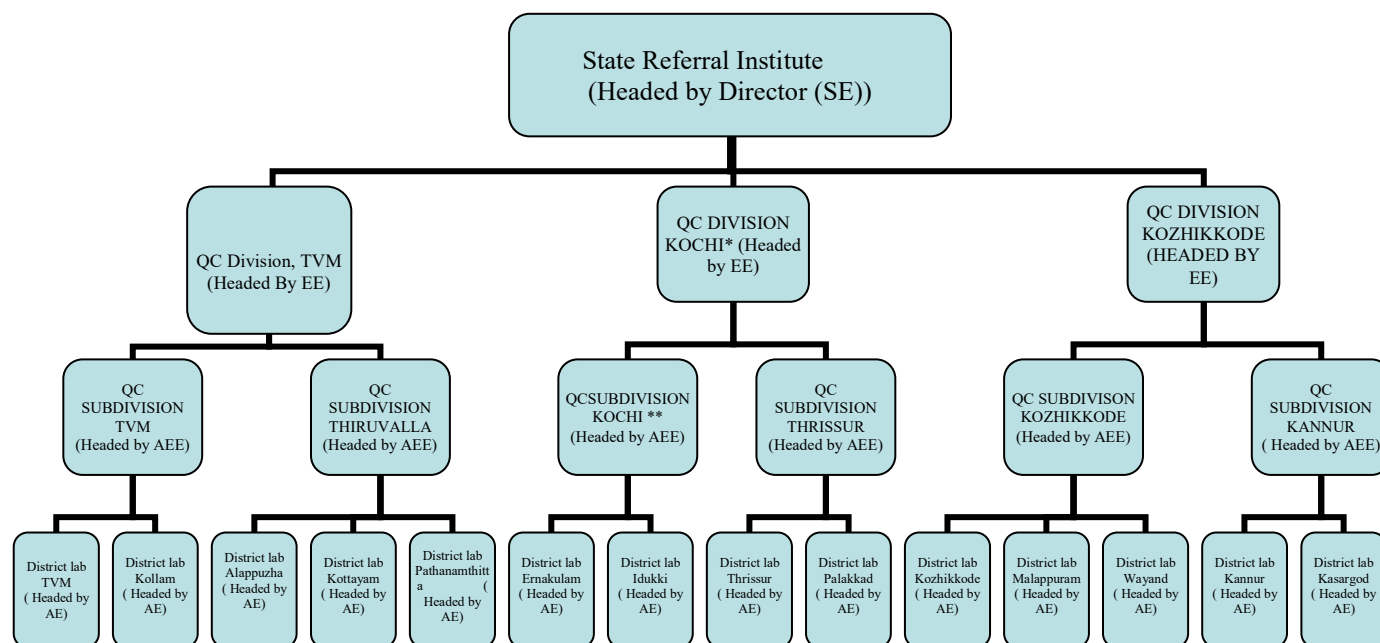
Details of LAR pending paras and paras dropped during the year 2020-21

IA Wing has taken earnest efforts to drop outstanding Paras in the Local Audit Reports (LAR) issued by the Accountant General. For this regular follow up is conducted and also arranged Audit Committee Meetings (ACM) in which the Resident Audit Officer, officers of Divisions/PH Circles and IA Wing are participated with replies and documentary evidences. During the year 2020-21, four ACMs were conducted for clearing the paras of PH Divisions under PH Circles, Thiruvananthapuram, Kollam, Kottayam and Ernakulum. The number of Paras outstanding as at the end of March 2021 and number of Paras dropped are given in the following Table:-

Pending paras as on 31.03.2021	1699 nos.
Paras dropped during the year 2020-2021 based on replies and discussion during ACMs	210 nos.

The inspection by IA Wing helps to improve the performance of various field offices and performance of KWA as a whole.

Chapter XVI QUALITY CONTROL WING



* Working under Centralised pattern with SRI

** Working under centralised pattern with division

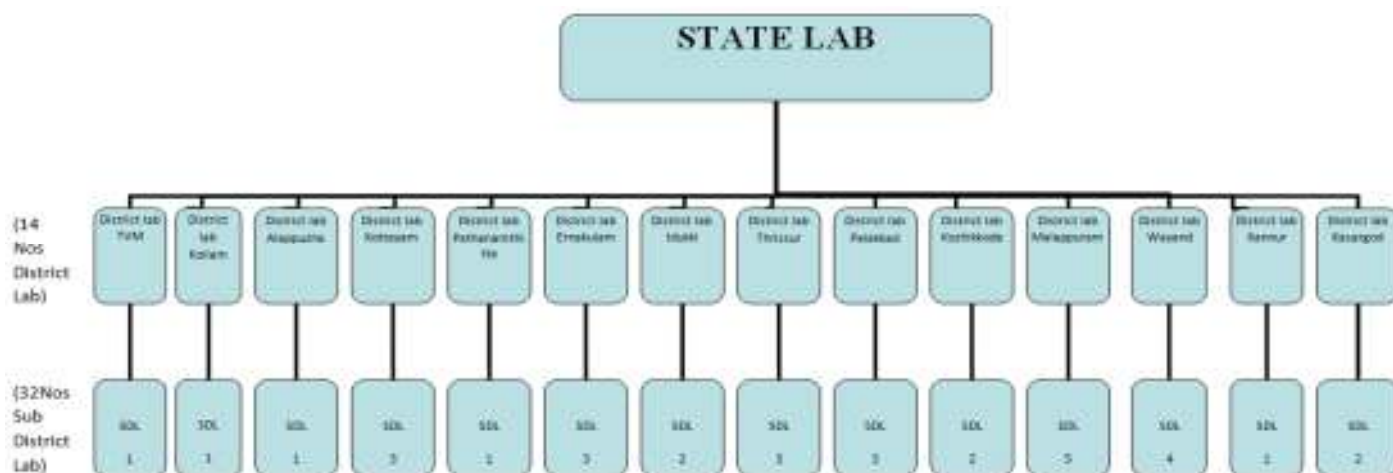
Quality Control wing of KWA is doing the surveillance and monitoring of drinking water being supplied through various Water Supply Schemes by conducting water sample analysis in stipulated frequency at AE/AEE/EE level and communicate the result of analysis to the concerned officers of Maintenance wing in charge of the schemes for taking corrective measures.

In KWA, there are 14 District labs having a regular staff pattern which is entrusted for the water quality monitoring and surveillance of all water supply schemes of KWA. At present in District Labs, drinking water are tested for 17 parameters Physico-Chemical parameters and 2 Bacteriological parameters. At each District Lab approximately 100 No. of KWA schemes samples and an average of 200 No. of Private samples (which may hike up to 700 in certain labs) are analysed per month. Moreover chemicals such as Alum, Lime & Bleaching Powder used for water treatment in KWA are also being tested in labs.

Under National Rural Drinking Water Programme, 32 Sub District Labs were also formulated for water quality monitoring and surveillance of other water supply sources like open well, bore well etc in rural habitations. Under each sub district lab monthly 250 samples from these sources are collected and tested for basic parameters. Moreover 250 samples are tested in District labs monthly as per target of roster available in IMIS portal covering all sources in rural area randomly spread including positively tested samples by Subdistrict labs. The test results are uploaded in IMIS portal.

The State wide apex body, State Referral Institute, which is functioning at Nettoor, Kochi has analytical labs and advance lab in chemical analysis section. There are facilities to analyse 17 nos Physical - Chemical parameters. In the advance Lab, 10 number of metal analysis including toxic elements are being done with Atomic Absorption Spectroscopy (AAS) and 6 numbers of organo-chloro pesticides are analysed using Gas Chromatograph (GC). Bacteriological lab has facility to test for Coliform and E- Coli. In the year 2020, a rapid detection unit has been procured which facilitate detection of Coliform / E- Coli in 24 Hrs.

The State Lab has got NABL accreditation initially during March 2017 for testing 7 water quality parameters and enhanced the scope to 11 parameters in 2019 and has applied for scope extension for 6 more parameters in 2020. Also, 8nos District labs among the 14nos have applied for NABL accreditation in this financial year (20-21).



The 14 District labs are having a regular staff pattern which is entrusted for the water quality monitoring and surveillance of all water supply schemes of KWA. There is a three tier system with a definite protocol exists for conducting water sample analysis in stipulated frequency at AE/AEE/EE level. For this purpose, the schemes are classified into 5 categories. The scheme category and frequency of monitoring are shown in Table 1.

Category of KWA schemes	Benefitted population	Surveillance/Monitoring conducted by		
		AE	AEE	EE
Category A	Population above 1 lakh	Monthly	Once in 2 months	Once in 3 months
Category B	Population above 50,000 to 1 lakh	Once in 2 months	Once in 4 months	Once in 6 months
Category C	Population above 20,000 to 49,000	Once in 3 months	Once in 6 months	At random and when required
Category D	Population above 5000 to 19000	Once in 6 months	Yearly	At random and when required
Category E	Population less than 5000	Yearly	At random / as and when required in case of problem	

At present in district Labs, drinking water are tested for 17 parameters Physico-Chemical parameters and 2 Bacteriological parameters. The details of parameters tested are shown below in Table 2.

Table 2: Water Quality Parameters tested in District Labs	
Physico- Chemical parameters	1. Colour
	2. Odour
	3. Turbidity
	4. pH
	5. Electrical Conductivity*
	6. Acidity*
	7. Alkalinity
	8. Sulphate
	9. Total Dissolved Solids(TDS)
	10. Total Hardness
	11. Calcium
	12. Magnesium
	13. Chloride
	14. Fluoride
	15. Iron
	16. Nitrate
	17. Residual Chlorine
	* not in BIS
Bacteriological parameters	18. Total Coliform
	19. E.Coli

At each district lab approximately 100 No. of KWA scheme samples and an average of 200 No. of Private samples (which may hike up to 700 in certain labs) are analysed per month.

The results of water sample analysis of KWA schemes are forwarded to the concerned officers of Maintenance wing in charge of the schemes for taking corrective measures. Moreover, chemicals such as Alum, Lime & Bleaching Powder used for water treatment in KWA schemes are also being tested in labs to ensure quality.

Under National Rural Drinking Water Programme (NRDWP), District labs and 32 Sub District labs were formulated for Conducting quality analysis and sanitary inspection of drinking water sources like open well, bore well etc in rural habitations. Each Sub district lab covers 250 sources per month. The results of water samples are uploaded in IMIS website of Govt of India. Lab personnel are engaged on contract basis for the functioning of Sub District Labs.

The state wide apex body, State Referral Institute, which is functioning at Nettoor has got the facility for testing heavy metals and pesticides in addition to the routine parameters as mentioned above. The metal analysis including toxic elements is being done with Atomic Absorption Spectroscopy (AAS). Pesticide are analysed using Gas Chromatography. Raw water samples from intake point of schemes are tested for heavy metals & pesticides in pre-monsoon & post monsoon. The heavy metals and pesticides tested in SRI are shown in Table 3 below.

Table 3: Heavy Metals and Pesticides tested at SRI		
Toxic Substances		Other Metals
Pesticides	Metals	
1. Aldrin/Dieldrin	1. Lead	1. Manganese
2. AlphaHCH	2. Total Chromium	2. Copper
3. BetaHCH		3. Aluminium
4. DeltaHCH		4. Zinc
5. DDT		
6. Endosulfan		
7. Gamma HCH		

The State Referral Institute got NABL accreditation during March 2017 for testing 7 water quality parameters is still sustaining its accreditation status. In the year 2020- 21, Quality Control wing is in the process to get 8 district labs Thiruvananthapuram, Kollam, Pathanamthitta, Idukki, Ernakulam, Palakkad, Kozhikkode, Kannur.

List of Divisions, Subdivisions and Labs under Quality Control Wing

Division	Subdivision	District Labs
Thiruvananthapuram	Thiruvananthapuram	Thiruvananthapuram
Kochi	Thiruvalla	Kollam
Kozhikkode	Aluva	Alappuzha
	Thrissur	Thiruvalla
	Kozhikkode	Kottayam
	Kannur	Aluva
		Painavu
		Thrissur
		Palakkad
		Kozhikkode
		Kalpetta
		Malappuram
		Kannur
		Kasargod

Details of KWA Scheme Samples tested in year 2020-21													
Name of Division:		Thiruvananthapuram				Kochi				Kozhikode			
QC District Labs		Thiruvananthapuram, Kollam, Pathanamthitta, Kottayam, Alappuzha				SRI, Ernakulam, Thrissur, Idukki, Palakkad				Kozhikode, Kannur, Malappuram, Kasargode, Wayanad			
SI No	Month	Physical & Chemical Test		Bacteriological Test		Physical & Chemical Test		Bacteriological Test		Physical & Chemical Test		Bacteriological Test	
		Total No of Samples tested (Raw water)	Total No of Samples tested (Treated water)	Total No of Samples tested(Raw water)	Total No of Samples tested in field and Lab(Treated water)	Total No of Samples tested (Raw water)	Total No of Samples tested (Treated water)	Total No of Samples tested(Raw water)	Total No of Samples tested in field and Lab(Treated water)	Total No of Samples tested (Raw water)	Total No of Samples tested (Treated water)	Total No of Samples tested(Raw water)	Total No of Samples tested in field and Lab(Treated water)
1	April 2020	122	47	82	44	77	65	77	86	6	5	6	23
2	May 2020	175	138	154	135	74	58	74	156	23	23	23	125
3	June 2020	125	156	127	177	55	74	54	129	87	69	87	463
4	July 2020	87	121	82	131	71	79	71	181	42	48	42	296
5	August 2020	68	95	64	109	71	79	71	182	63	60	63	381
6	September 2020	132	160	111	185	96	98	96	250	59	50	59	409
7	October 2020	196	240	176	210	86	108	86	238	66	53	66	420
8	November 2020	159	218	153	234	97	102	97	333	60	54	60	471
9	December 2020	157	222	153	241	87	106	87	350	61	50	61	409
10	January 2021	133	205	117	242	93	107	93	225	68	53	68	393

11	February 2021	131	212	113	233	109	130	109	406	63	55	63	510
12	March 2021	139	182	113	197	84	101	84	369	67	51	67	428
Total		1624	1996	1445	2138	1000	1107	999	2905	665	571	665	4328

Remarks: In surveillance inspections of treatment plants, most of the tested parameters are within the acceptable limits. However turbidity in treated water, especially during monsoon season, exceed the limit of 1 NTU. Most of the Kerala water authority treatment plants are designed to treat water to a turbidity of 5 NTU, the earlier BIS limit. To meet the revised BIS standards the water treatment plants of KWA need further design augmentation. Also control on process can be improved by ensuring proper dosage and mixing of chemicals and proper functioning of flash mixer, clariflocculator.and filter media. Bacteriological contamination is seldom noticed in distribution network of rural schemes where there is no treatment process except disinfection by manual dosing and addition of bleaching powder.

Chapter XVII

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 Indian Parliament in 2005. This Act is one of the mile stones in the history of India. This rule was implemented all over India in the same year.

The Kerala Water Authority took initiative to implement the Act in the same year itself by issuing necessary Orders and Circulars. Accordingly, seven officers have been deputed as Public Information Officers in Jala Bhavan, the headquarters 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 the absence of Public Information Officers, the Assistant Public Information Officers will be the responsible person. The Administrative Officer of Regional Offices, the Administrative Assistant of Circle Offices, the Divisional Accounts Officer 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 which are not satisfactory or not within stipulated period will be heard and redressed. For this purpose, an Appellate Authority is required and nominated the Chief Engineer (HRD & GL) in Jala Bhavan, Chief Engineers in all Regions and Chief Engineer, JICA as Appellate Officers.

SUO MOTO DISCLOSURE UNDER SECTION 4(1)(b) REPORTING YEAR: 2020-21

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)
1.	Kerala Water Authority	0	0	0	0

DESIGNATION OF PUBLIC INFORMATION OFFICERS/APPELLATE AUTHORITIES REPORTING YEAR: 2020-21 (Form-II)

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)
1.	Kerala Water Authority	95	454	343	49

**DISPOSAL OF INFORMATION REQUESTS BY PUBLIC INFORMATION OFFICERS
REPORTING YEAR: 2020-21 (Form-III)**

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	3	1663	1669	1665	11	0	2.05%

**INFORMATION REQUESTS REJECTED BY PUBLIC INFORMATION OFFICERS REPORTING
YEAR: 2020-21 (Form-IV)**

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 (Fee not remitted as per rule)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Kerala Water Authority	10	1	0	0	0	8

**DISPOSAL OF FIRST APPEALS BY DESIGNATED APPELLATE AUTHORITIES
REPORTING YEAR: 2020-21 (Form-V)**

Name of the Department	No. of First Appeals pending with Appellate Authorities on 01.04.2016	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	0	36	64	65	28	0	0

PENALTIES IMPOSED & COLLECTED REPORTING YEAR: 2020-21 (Form VI)

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 in RS
(1)	(2)	(3)	(4)	(5)
Kerala Water Authority	0	0	0	0

DISCIPLINARY ACTION TAKEN AGAINST OFFICERS IN RESPECT OF ADMINISTRATION OF RTI ACT REPORTING YEAR: 2020-21 (Form VII)

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	0	0	0

SUMMARY COSTS, FEES & CHARGES COLLECTED BY PUBLIC AUTHORITIES REPORTING YEAR: 2020-21 (Form-VIII)

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	12587	9891	7052	1730	170	23703

Chapter XVIII

IMPLEMENTATION OF RIGHT TO SERVICE ACT 2012

The Kerala State Right to Service Act, 2012 came into force on 1st November 2012 as per G.O.(P)No.55/2012/P&ARD. Kerala Water Authority implemented the Right to Service Act 2012 on 08.04.2013 onwards. The Act provides for effective, time bound redressal of grievance of citizens, delivery of services to the public and making Government servants liable in case of default. Through the introduction of bill, the Government servants are made answerable in terms of their functions, duties commitments and obligations towards the people.

The bill provides two tier appellate system to redress grievances. The bill underlines the duty of the designated officer who on receipt of an application for service will provide it or reject the application within the time limit, counted from the day the application is received. In case of rejection, the officer should justify it in writing.

Section 3 of the Kerala State Right to Service Act, 2012(18 of 2012) empowers, every departments of the Government, Heads of Departments, Local Self Government Institutions and Statutory Bodies to notify in the Gazette, the services, that will be rendered by each of them along with details of stipulated time limit, Designated Officers, First Appellate Authority and the Second Appellate Authority. The Government have decided to notify the services to be rendered by the Kerala Water Authority and the officers in respect of such services as stipulated in the said Section.

In connection with the implementation of Right to Service Act in Kerala Water Authority, the Managing Director issued a notification vide No. KWA/JB/E1/9387/2012 Dt: 08/04/2013 in which the designated officers as First Appellate Authority, Second Appellate Authority, and the stipulated time limit in respect of such services were notified.

The details of services rendered by the Authority are as follows.

Sl. No.	Service		Stipulated time limit	Designated Officer	1 st Appellate Authority	2 nd Appellate Authority
1	2		3	4	5	6
1.	Providing Water Connection	Urban Area	15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
		Rural Area	30 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
2.	Sewerage Connection		60 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
3.	Shifting of Domestic Connection		15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
4.	Disconnection of domestic/non domestic connection (on request of consumer)		15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
5.	Reconnection of domestic/non domestic connection		15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
6.	Change of ownership/changing of category of connection		15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
7.	Meter reading/ complaint redressal		30 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
8.	Sewerage connection change of ownership		15 days	Assistant Executive Engineer	Executive Engineer	Superintending Engineer
9.	Water sample of private wells quality test (physical and chemical)		10 days	Assistant Executive Engineer	Executive Engineer/ Quality Control Division	Chief Engineer

Chapter XIX

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 related to 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 the complaints and for follow up action of 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 will be entered in a register and action taken are being recorded. The Technical Assistants reports the action taken regarding the complaints which are forwarded to them to the Complaint Redressal Centre in a time bound manner.

The phone numbers to which the complaints are forwarded are listed below:

1. P.H Division, North, Thiruvananthapuram	-	0471 2322798	85476 38175
2. P.H Division, South, Thiruvananthapuram	-	0471 2321379	85476 38290
3. Head Works Division, Aruvikkara	-	0472 2888239	94000 67878
4. W.S Division, Neyyattinkara	-	04712223447	85476 38093
5. Sewerage Division, Pattoor	-	04712303170	85476 38212
6. W.S Division, Attingal	-	04702620574	85476 38355
7. P.H Division, Kollam	-	0474 2748857	85476 38530
8. P.H Division, Pathanamthitta	-	0468 2222687	85476 38344
9. P.H Division, Alappuzha	-	0477 2242372	85476 38221
10. P.H Division, Tiruvalla	-	0469 2701267	85476 38241
11. P.H Division, Kottayam	-	0481 2563711	85476 38556
12. P.H Division, Kochi	-	0484 2360816	85476 38133
13. W.S Division, Kochi	-	0484 2394155	85476 38145
14. P.H Division, Aluva	-	0484 2626948	85476 38156
15. P.H Division, Muvattupuzha	-	0485 2832350	85476 38436
16. P.H Division, Thodupuzha	-	04862 222812	85476 38427
17. P.H Division, Thrissur	-	0487 2333070	85476 38362
18. P.H Division, Irinjalakuda	-	0480 2826608	85476 38374
19. P.H Division, Palakkad	-	0491 2545027	85476 38307
20. P.H Division, Shornur	-	0466 2223264	85476 38315
21. P.H Division, Kozhikode	-	0495 2370095	85476 38211
22. P.H Division, Vadakara	-	0496 2512474	85476 38060
23. P.H Division, Malappuram	-	0483 2734891	85476 38171
24. P.H Division, Edappal	-	0494 2680215	85476 38410
25. P.H Division, Sulthan Bathery	-	04936 220422	85476 38495
26. P.H Division, Kannur	-	0497 2706837	85476 38273
27. P.H Division, Kasaragod	-	04994 256411	85476 38250
28. W.S. Division, Thaliparambu	-	0460-2203230	8547638301
29. PH Division, Kottarakkara	-	0474-2450787	9400002040
30. PH Division, Kaduthuruthy	-	04829-285052	8547638081

Annexures

Annexure 1

A summary of projects being executed/works undertaken in the various heads.

Sl No	Scheme Code	Scheme Name	Outlay (Rs. in Lakh)
1	SWS 001	Survey and investigation-2215-01-190-99(1)	100
2	SWS 028	NABARD Assisted Rural Water Supply Schemes Rural Infrastructure Development Fund-4215-01-102-98(1)	6000
3	SWS 043	Manufacturing units for bottled water-2215-01-190-96	200
4	SWS 072	Renovation of Existing Civil Structures owned by KWA-2215-01-190-92	300
5	SWS 124	Innovative Technologies and Modern Management Practices (2215-01-101-97(1))	50
6	SWS 125(1)	Human Resources Development Research and Development & Quality Control (4215-01-800-91)	100
7	SWS 126	Sewerage Schemes of Kerala Water Authority (4215-02-190-99)	800
8	SWS 127	Rehabilitation/Improvement works of Urban Water Supply Schemes-4215-01-101-97	5000
9	SWS 128	Rural Water Supply Schemes-4215-01-102-97	1000
10	SWS 129(1)	Water Supply Scheme to Specified Institutions/Locations-4215-01-800-90	75
11	SWS 131(1)	Optimisation of Production And Transmission-4215-01-800-89	5000
12	SWS 132(1)	Kerala Water Supply Project, JICA (One time sustenance support under the state plan)-4215-01-800-88	1000
13	SWS 133	Modernisation Of Aruvikkara Pumping Station-4215-01-101-96	100
14	SWS 135	Drinking water - Drought mitigation 2215-01-800-47	1000
15	SWS 138	Source Improvement And Water Conservation-4215-01-800-92	200
16	SWS 142	Enterprise Resource Planning (ERP), E-Governance, GIS and Information Management-2215-01-190-87	100
17	SWS 137	Completion of on-going National Rural Drinking Water Programme (NRDWP) schemes 4215-01-102-95	500
18	SWS 145	Jal Jeevan Mission(NRDWP) 50 % State Share 4215-01-102-92	40000
19	SWS 143	ADB Assisted Kerala Urban Water Supply Improvement Project –KUWSIP (EAP) 4215-01-101-94	1000
GRAND TOTAL			62525

Annexure 2

District wise category of Schemes in Operation – Southern Region

SI No	Circle	Name of Scheme	Urban/ Rural/ Urban- Rural	Name of Beneficiary Panchayath	Name of Beneficiary Municipality	Corporation	Installed Capacity (MLD)
1	PH Circle Thiruvananthapuram	TWSS (AVK)	Urban			Thiruvananthapuram	307
2	PH Circle Thiruvananthapuram	TWSS (PTP)	Urban			Thiruvananthapuram	34.5
3	PH Circle Thiruvananthapuram	CWSS to Kovalam Tourist area, Vizhinjam corporation area, Kalliyoor and Venganoor panchayath	Urban - Rural	Venganoor, Kalliyoor, Pallichal		Thiruvananthapuram	19.5
4	PH Circle Thiruvananthapuram	TWSS (Filter House)	Urban			Thiruvananthapuram	36
5	PH Circle Thiruvananthapuram	RWSS to Athiyannoor	Rural	Athiyannoor			1.9
6	PH Circle Thiruvananthapuram	RWSS to Parachakulam	Rural	Athiyannoor			0.53
7	PH Circle Thiruvananthapuram	RWSS Payattuville	Rural	Kottukal			1.5
8	PH Circle Thiruvananthapuram	RWSS to Uchakkada	Rural	Balaramapuram, Kottukal, Venganoor			3.64
9	PH Circle Thiruvananthapuram	CWSS to Kanjiramkulam, Karimkulam , Thirupuram and Poovar Villages	Rural	Kanjiramkulam, Karimkulam, Thirupuram			12
10	PH Circle Thiruvananthapuram	RWSS to Chavadi	Rural	Karimkulam			0.8
11	PH Circle Thiruvananthapuram	RWSS to Pulimkudi	Rural	Kottukal			1.6
12	PH Circle Thiruvananthapuram	RWSS to Kottukal	Rural	Kottukal			1.5
13	PH Circle Thiruvananthapuram	RWSS to Poovar - Karichal	Rural	Poovar			1.05
14	PH Circle Thiruvananthapuram	RWSS to Chowara	Rural	Kottukal			1.2
15	PH Circle Thiruvananthapuram	UWSS to Aralummoodu and Neyyattinkara Municipality	Urban - Rural	Balaramapuram, Kottukal	Neyyattinkara		wtpKalipara
16	PH Circle Thiruvananthapuram	CWSS to Pallichal, Balaramapuram&Vilavoorkkal Pts.	Rural	Pallichal, Vilavoorkkal, Balaramapuram			15.5

17	PH Circle Thiruvananthapuram	RWSS to Attaramoola	Rural	Kottukal		0.5
18	PH Circle Thiruvananthapuram	UWSS to Neyyattinkara	Urban - Rural	Perumkadavila	Neyyattinkara	4.6
19	PH Circle Thiruvananthapuram	RWSS to Marayamuttom	Rural	Perumkadavila		1.6
20	PH Circle Thiruvananthapuram	CWSS to Kalippara	Rural	Malayinkeel, Maranalloor, Kulathur, Amboori, Kallikadu, Kollayil		36
21	PH Circle Thiruvananthapuram	RWSS to Vilavoorkkal	Rural	Vilavoorkkal		1
22	PH Circle Thiruvananthapuram	RWSS to Parassala	Rural	Chenkai, Parasala, Kollayil		3.3
23	PH Circle Thiruvananthapuram	RWSS to Kunnathukal	Rural	Kollayil, Kunnathukal		5.5
24	PH Circle Thiruvananthapuram	RWSS to Aryancode	Rural	Aryancode		2.5
25	PH Circle Thiruvananthapuram	RWSS to Valiyakulam, Poozhikkunnu and Virali Uchakkada	Rural	Chenkai		Mixed up scheme
26	PH Circle Thiruvananthapuram	RWSS to Dhanuvachapuram(Tube well)	Rural	Kollayil		0.2
27	PH Circle Thiruvananthapuram	RWSS to Kuzhinjanvila(open well)	Rural	Karodu		0.1
28	PH Circle Thiruvananthapuram	CWSS to VakkomAnjengo	Rural	Anjuthengu, Chirayinkil, Kadakavoor, Kizhuvilam, Vakkom		9
29	PH Circle Thiruvananthapuram	UWSS to AttingalAzhoorKizhuvilam	Urban - Rural	Azhoor, Kizhuvilom	Attingal	12.5
30	PH Circle Thiruvananthapuram	WSS to Technocity, Pallippuram	Urban			9.1
31	PH Circle Thiruvananthapuram	RWSS to SarkaraKadakam	Rural	Chirayinkil		0.2
32	PH Circle Thiruvananthapuram	RWSS to Venjaramoodu	Rural	Nellanadu		0.2
33	PH Circle Thiruvananthapuram	RWSS to Nellanadu	Rural	Nellanadu, Vamanapuram		4
34	PH Circle Thiruvananthapuram	RWSS to Vamanapuram	Rural	Vamanapuram		1
35	PH Circle Thiruvananthapuram	ARWSS to Edakkodu and adjoining Villages	Rural	Mudakkal, Andoorkonam, Kadinankulam, Mangalapuram, Pothencode		11
36	PH Circle Thiruvananthapuram	ARWSS to Kilimanoor,Pazhayakunnum mel and Madavoor Villages Villages	Rural	Kilimanoor, Pazhayakunnummel, Madavoor		8.77

37	PH Circle Thiruvananthapuram	RWSS to Manjappara	Rural	Pulimath		0.1
38	PH Circle Thiruvananthapuram	RWSS to Kanara	Rural	Kilimanoor		1
39	PH Circle Thiruvananthapuram	RWSS to Pulimath	Rural	Pulimath		1.5
40	PH Circle Thiruvananthapuram	RWSS to Nagaroor	Rural	Nagaroor		0.5
41	PH Circle Thiruvananthapuram	RWSS to Edavanakkonam	Rural	Nagaroor		0.1
42	PH Circle Thiruvananthapuram	RWSS to Vellalloor	Rural	Nagaroor		0.1
43	PH Circle Thiruvananthapuram	RWSS to Mulavanakunnu	Rural	Nagaroor		0.1
44	PH Circle Thiruvananthapuram	RWSS to Vanchiyoor	Rural	Karavaram, Nagaroor		0.1
45	PH Circle Thiruvananthapuram	RWSS to Ayilam - Elamba	Rural	Mudakkal		1.5
46	PH Circle Thiruvananthapuram	RWSS to Aryankunnu	Rural	Mudakkal		0.1
47	PH Circle Thiruvananthapuram	RWSS to Andoorkonam	Rural	Andoorkkonam		0.1
48	PH Circle Thiruvananthapuram	RWSS to Kadinamkulam	Rural	Kadinamkulam		1.7
49	PH Circle Thiruvananthapuram	CWSS TO VARKALA & ADJOINING VILLAGES	Urban - Rural	Navaikulam, Chemmaruthy, Edava, Elakamon, Manamboor, Ottoor, Vettoor, Cherunniyoor	Varkala	19
50	PH Circle Thiruvananthapuram	RWSS TO SREENIVASAPURAM	Rural	Chemmaruthy		0.2
51	PH Circle Thiruvananthapuram	RWSS TO ANAKUZHY	Rural	Chemmaruthy		0.15
52	PH Circle Thiruvananthapuram	RWSS TO KAYALPURAM	Rural	Elakamon		0.7
53	PH Circle Thiruvananthapuram	RWSS TO ALUVILAPURAM	Rural	Edava		0.15
54	PH Circle Thiruvananthapuram	RGNDWM TO THOTTUMUGHAM	Rural	Elakamon		0.6
55	PH Circle Thiruvananthapuram	RWSS TO EDAVA (NEW)	Rural	Edava		0.15
56	PH Circle Thiruvananthapuram	RWSS TO EDAVA (OLD)	Rural	Edava		0.1
57	PH Circle Thiruvananthapuram	RWSS to Palachira	Rural	Cherunniyoor		0.11
58	PH Circle Thiruvananthapuram	RWSS to Karathala	Rural	Cherunniyoor		0.1
59	PH Circle	RWSS to Vennicode	Rural	Cherunniyoor		0.065

	Thiruvananthapuram					
60	PH Circle Thiruvananthapuram	RWSS to kattuvila	Rural	Vettoor		0.15
61	PH Circle Thiruvananthapuram	RWSS to VettoorVilabhagamValayant akuzhy	Rural	Vettoor		0.204
62	PH Circle Thiruvananthapuram	ARWSS to Karavam (Pavalla booster PH)	Rural	Karavaram		0.3
63	PH Circle Thiruvananthapuram	RWSS to Pallickal	Rural	Pallickal		0.1
64	PH Circle Thiruvananthapuram	CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam	Rural	Panavoor, Vembayam, Kallara, Pangode, Pullampara		10
65	PH Circle Thiruvananthapuram	UWSS to Nedumangad	Urban		Nedumangad	13.75
66	PH Circle Thiruvananthapuram	RWSS to Karakulam	Rural	Karakulam, Aruvikkara		5
67	PH Circle Thiruvananthapuram	RWSS to Anad	Rural	Anadu		0.07
68	PH Circle Thiruvananthapuram	CWSS to VithuraTholicode Villages	Rural	Vithura, Tholicode		9.75
69	PH Circle Thiruvananthapuram	RWSS to Pannikuzhy	Rural	Vithura		0.025
70	PH Circle Thiruvananthapuram	RWSS to Idinjar	Rural	Perigamala		0.05
71	PH Circle Thiruvananthapuram	RWSS to Palode	Rural	Nanniyode		0.5
72	PH Circle Thiruvananthapuram	RWSS to Manickal	Rural	Manickal		1
73	PH Circle Thiruvananthapuram	RWSS to Vilappil	Rural	Vilappil		3.35
74	PH Circle Thiruvananthapuram	RWSS to Kuttichal	Rural	Kuttichal		0.5
75	PH Circle Thiruvananthapuram	RWSS to Poovachal	Rural	Poovachal		1
76	PH Circle Thiruvananthapuram	RWSS to Vellanad	Rural	Vellanadu		3.25
77	PH Circle Thiruvananthapuram	RWSS to Aryanad	Rural	Aryanadu		1.25
78	PH Circle Thiruvananthapuram	RWSS to Uzhamalakkal	Rural	Uzhamalakkal		1.5
79	PH Circle Thiruvananthapuram	RWSS to Venganoor	Rural	Venganoor		2.3
80	PH Circle Thiruvananthapuram	RWSS to Mookunnimala	Rural	Pallichal		
81	PH Circle Thiruvananthapuram	AWSS to Attingal	Urban		Attingal	4.5

82	PH Circle Thiruvananthapuram	ARWSS to Ottassekharamangalam Phase I and II	Rural	Ottassekharamangalam			Kalipara
83	PH Circle Thiruvananthapuram	CWSS to Parassala and adjoining villages	Rural	Parassala, Kollayil, Kulathoor, Karode(part), Chengal(part)			2.4
84	PH Circle Thiruvananthapuram	WSS to Vizhnjam	Rural	Vizhinjam			3.3
85	PH Circle Thiruvananthapuram	RWSS to Ponmudi	Rural	Peringamala			0.02
86	PH Circle Thiruvananthapuram	RWSS to Njavettikonam	Rural	Veeranamkavu			
87	PH Circle Thiruvananthapuram	RWSS to Puruthipara	Rural	Aryanadu			0.25
88	PH Circle Thiruvananthapuram	RWSS to Veeranakavu	Rural	Veeranamkavu			
89	PH Circle Thiruvananthapuram	RWSS to Parambinmelkonam	Rural	Aryanadu			
90	PH Circle Thiruvananthapuram	RWSS to Peringamala	Rural	Peringamala			0.5
91	PH Circle Thiruvananthapuram	RWSS to Tholicodu	Rural	Tholicode			2.2
92	PH Circle Thiruvananthapuram	RWSS to Vithura	Rural	Vithura			
93	PH Circle Thiruvananthapuram	RWSS to Koduvazhannor	Rural	Kilimanoor			Abanded
94	PH Circle Thiruvananthapuram	RWSS to Vettimankonam	Rural	Ottor			Abanded
95	PH Circle Thiruvananthapuram	RWSS to Deveswaram	Rural	Kilimanoor			0.5
96	PH Circle Thiruvananthapuram	RWSS to Anathazchira	Rural	Kazhakkuttam			No such Scheme
97	PH Circle Kollam	QWSS	Urban - Rural	Neendakara, West Kallada, Sasthamcotta, Sooranadu South, Thevalakka, Thekumbhagaom, Mynagapally		Kollam	60
98	PH Circle Kollam	QWSS (49 Nos of tube wells)	Urban				28.224
99	PH Circle Kollam	RWSS to Mynagappally (12 Nos of tube wells and one open wellatPottakkannanmukku)	Rural	Mynagappally			6
100	PH Circle Kollam	RWSS to Kunnathoor (one open well at Cheloorakayal)	Rural	Kunnathur, Sasthamkottah, West Kallada			1.23
101	PH Circle Kollam	RWSS to Sasthamkotta (1 No. of tube well)	Rural	Sasthamkotta			Jica

102	PH Circle Kollam	RWSS to Poruvazhi (2 Nos of open wells)	Rural	Poruvazhy			2.5
103	PH Circle Kollam	RWSS to West Kallada (1 No. of tube well)	Rural	West Kallada			0.5
104	PH Circle Kollam	RWSS to Sooranadu South (3 Nos of tube wells)	Rural	Sooranadu south			2.14
105	PH Circle Kollam	RWSS to Sooranadu North (2 Nos of tube wells and one open wells)	Rural	Sooranadu north			1.39
106	PH Circle Kollam	CWSS to Oachira, Karunagappally, Alappad and Clappana	Urban - Rural	Alappad, Oachira, Clappana	Karunagappaly		15
107	PH Circle Kollam	RWSS to Kulasekharapuram (3 Nos of tube wells)	Rural	Kulasekharapuram			1.425
108	PH Circle Kollam	RWSS to Alappad (3 Nos of tube wells)	Rural	Alappad			1.425
109	PH Circle Kollam	UWSS to Karunagappally (3 Nos of tube wells)	Urban		Karunagappaly		1.425
110	PH Circle Kollam	RWSS to Thevalakkara (6 Nos of tube wells)	Rural	Thevalakkara			2.652
111	PH Circle Kollam	RWSS to Thekkumbhagom (3 Nos of tube wells)	Rural	Thekkumbhagom,			1.872
112	PH Circle Kollam	RWSS to Thodiyyor (6 Nos of tube wells)	Rural	Thodiyoor			2.604
113	PH Circle Kollam	RWSS To Thazhava (5 Nos of tube wells)	Rural	Thazhava			1.98
114	PH Circle Kollam	CWSS to Chavara, Panmana	Rural	Chavara, Panmana			11
115	PH Circle Kollam	RWSS to Thrikkaruva(10Nos of tube wells)	Rural	Thrikkaruva			1.203
116	PH Circle Kollam	RWSS to Panayam(12 Nos of tube wells)	Rural	Panayam			1.064
117	PH Circle Kollam	RWSS to Perinadu (9 Nos of tube wells)	Rural	Perinadu			1.119
118	PH Circle Kollam	RWSS to Mundrothuruth (5 Nos of tube wells)	Rural	Mundrothuruth			0.591
119	PH Circle Kollam	JICA Assisted KWSS to Meenad& Adj Villages	Urban - Rural	Karavaloor,Anchal, Edamulackal, Elamadu, Ummannoor, Pooyappally,Veliyam,Nedumpana, Adichanalloor, Chathannoor, Mayyanadu, Chirakkara, Bhoothakkulam,Velinelloor,Elampal loor Pt.	Paravur, Punalur	Kollam	73
120	PH Circle Kollam	WSS to Paravur,	Urban		Paravur		0.5

		(2 Nos of tube wells)				
121	PH Circle Kollam	WSS to Koonayil, (3Nos of tube well)	Urban		Paravur	0.7
122	PH Circle Kollam	WSS to Kalakkodu, (2Nos of tube well)	Urban		Paravur	0.5
123	PH Circle Kollam	RWSS to KalluvathukkalParippally(O pen Well)	Rural	Kalluvathukkal		1
124	PH Circle Kollam	RWSS to Mayyanad (2 Nos of tube wells)	Rural	Mayyanadu		0.65
125	PH Circle Kollam	RWSS to Kottamkara (11 Nos of tube wells)	Rural	Kottamkara		3.6
126	PH Circle Kollam	WSS to Thrikkovilvattam and Nedumpna Panchayaths	Rural	Thrikkovilvattom,Nedumpna		5.5
127	PH Circle Kollam	RWSS to Thrikkovilvattom (7 Nos of tube wells)	Rural	Thrikkovilvattom,		2.6
128	PH Circle Kollam	RWSS to Kottiyam, Perayam (3 Nos of tube wells)	Rural	Thrikkovilvattom, Mayyanad, Adichanelloor		0.97
129	PH Circle Kollam	CARWSS to Kulathupuzha and Adj pt	Rural	Alayamon, Anchal, Eroor, Kulathupuzha, Ittiva		10.5
130	PH Circle Kollam	CWSS to Chithara and adj pt	Rural	Chithara, Kummil, Kadakkal, Nilamel, Chadayamangalam		9.72
131	PH Circle Kollam	RWSS to Vettamchira (open well)	Rural	Chadayamangalam		0.87
132	PH Circle Kollam	RWSS to Chadayamangalam (open well)	Rural	Chadayamangalam		0.18
133	PH Circle Kollam	RWSS to Kallumala (open well)	Rural	Chadayamangalam		0.16
134	PH Circle Kollam	UWSS to Punalur	Urban		Punalur	9
135	PH Circle Kollam	RWSS to Edamon (open well)	Rural	Thenmala		0.18
136	PH Circle Kollam	RWSS to Urukunnu (open well)	Rural	Thenmala		0.35
137	PH Circle Kollam	ARWSS to Thenmala (open well at Thenmala dam)	Rural	Thenmala		0.48
138	PH Circle Kollam	RWSS to Aryankavu (bore well)	Rural	Aryankavu		0.15
139	PH Circle Kollam	RWSS to Achankovil (open well)	Rural	Aryankavu		0.18
140	PH Circle Kollam	ARWSS to Pathanapuram&Piravanthoor	Rural	Pathanapuram, Piravanthoor		5
141	PH Circle Kollam	RWSS to Mylom, Thalavoor, Pidavoo, Pattazhy&PattazhyVadakkek	Rural	Pattazhy, PattazhyVadakkekara, Thalavoor, Mylom		10.5

		kara				
142	PH Circle Kollam	WSS to Kadakkamon (open well)	Rural	Piravanthoor		0.2
143	PH Circle Kollam	WSS to Dharmapuri (open well)	Rural	Vilakkudy		0.45
144	PH Circle Kollam	WSS to Clavodu (open well)	Rural	Piravanthoor		0.1
145	PH Circle Kollam	RWSS to Velinelloor	Rural	Velinelloor		1.5
146	PH Circle Kollam	RWSS to Memangalam (open well)	Rural	Veliyam		0.04
147	PH Circle Kollam	RWSS to Maravancode (open well)	Rural	Veliyam		0.04
148	PH Circle Kollam	BAWSS to Kundara&adj Pt	Urban - Rural	KikzakkeKallada, Kundara, Perayam, Ezhukone, Neduvathoor, Vilakkudy, Melila, Mylom, Vettikkavala	Kottarakkara	16
149	PH Circle Kollam	RWSS to Kareepra	Rural	Kareepra		3
150	PH Circle Kollam	RWSS to PunukkannurChira	Rural	Elampalloor		3
151	PH Circle Kollam	RWSS to Elampalloor (open well)	Rural	Elampalloor		0.09
152	PH Circle Kollam	RWSS to EzhukonePochakonam(open well)	Rural	Ezhukone		0.09
153	PH Circle Kollam	RWSS to Maranadu (open well)	Rural	Pavithreswaram		0.15
154	PH Circle Kollam	RWSS to Plakkadu	Rural	Pavithreswaram		0.15
155	PH Circle Kollam	ARWSS to Kulakkada&Pavithreswaram	Rural	Neduvathur, Kulakkada, Pavithreswaram		5.7
156	PH Circle Kollam	WSS to Vallam (open well)	Rural	Neduvathur		0.15
157	PH Circle Kollam	WSS to Anakottoor (open well)	Rural	Neduvathur		0.15
158	PH Circle Kollam	RWSS to Vettikavala (open well)	Rural	Vettikavala		0.07
159	PH Circle Kollam	RWSS to Mamachankunnu (tube well)	Rural	Elampalloor		0.21
160	PH Circle Kollam	RWSS to Vydyudhi Bhavan (tube well)	Urban		Kottarakkara	0.15
161	PH Circle Kollam	WSS to Malayil (Open well)	Rural			Jica
162	PH Circle Kollam	WSS to Punukkannoor old (open well)	Rural	Elampalloor		0.46
163	PH Circle Kollam	WSS to Pullanjikkuzhy (open well)	Urban		Kottarakkara	0.07
164	PH Circle Kollam	WSS to Kottappuram (open well)	Rural	Perayam		0.19

165	PH Circle Kottayam	ARWSS to Kumarakom&Thiruvvarpu Panchayat	Rural	Kumarakom, Thiruvvarpu		10
166	PH Circle Kottayam	WSS Kottayam Sub Prject	Urban - Rural	Vijayapuram, Manarcad, Panachikkad	Kottayam	16
167	PH Circle Kottayam	RWSS to Manarcad	Rural	Manarcad		0.2
168	PH Circle Kottayam	RWSS to Parathanamkunnu road	Rural	Panachikkad		0.25
169	PH Circle Kottayam	UWSS to Kottayam	Urban			18
170	PH Circle Kottayam	ARWSS to Ayarkunnam, Kooroppada,andPambady	Rural	Ayarkunnam, Kooroppada, Pambady		4
171	PH Circle Kottayam	ARWSS to Puthuppally	Rural	Puthuppally		1.5
172	PH Circle Kottayam	RWSS to Puthuppally-Angady	Rural	Puthuppally		0.08
173	PH Circle Kottayam	RWSS to Puthuppally-Pariyaram	Rural	Puthuppally		0.06
174	PH Circle Kottayam	RWSS to Puthuppally-Thottakkad new	Rural	Puthuppally		0.2
175	PH Circle Kottayam	RWSS to Puthuppally-Thottakkad old	Rural	Puthuppally		0.06
176	PH Circle Kottayam	RWSS to Puthuppally-Kavalichira	Rural	Puthuppally		0.06
177	PH Circle Kottayam	RWSS to Puthuppally-Ericadu	Rural	Puthuppally		0.09
178	PH Circle Kottayam	RWSS to Pampady	Rural	Pambady		0.06
179	PH Circle Kottayam	CWSS to Ettumanoor and adjoining Villages	Urban - Rural	Arppookkara, Athirampuzha, Aymanam, Neendoor, Manjoor, Kanikkari	Ettumanoor	25
180	PH Circle Kottayam	RWSS to Kattachira	Urban		Ettumanoor	0.05
181	PH Circle Kottayam	RWSS to Athirampuzha	Rural	Athirampuzha		0.05
182	PH Circle Kottayam	ARWSS to Chirakkadavu-KanjirappallyElikkulam	Rural	Elikkulam, Chirakkadavu, Kanjirappally		9
183	PH Circle Kottayam	RWSS to Challoly	Rural	Pallickathodu		0.13
184	PH Circle Kottayam	RWSS to Elampally	Rural	Pallickathodu		0.25
185	PH Circle Kottayam	RWSS to Anicadu	Rural	Pallickathodu		0.2
186	PH Circle Kottayam	RWSS to Mukkaly	Rural	Pallickathodu		0.2
187	PH Circle Kottayam	RWSS to Karikkatoor	Rural	Manimala		0.04
188	PH Circle Kottayam	WSS To ERUMELY	Rural	Erumely, Vechuchira		7
189	PH Circle Kottayam	RWSS To Mundakayam	Rural	Mundakkayam		0.45
190	PH Circle Kottayam	RWSS To Kosady	Rural	Koruthode		0.2
191	PH Circle Kottayam	ARWSS to Parathodu	Rural	Parathodu, Mundakkayam		0.6

192	PH Circle Kottayam	RWSS To Kalaketty	Rural	Erumely		0.05
193	PH Circle Kottayam	RWSS To Thumarampara	Rural	Erumely		0.02
194	PH Circle Kottayam	RWSS to Thevarupara	Urban		Erattupetta	0.4
195	PH Circle Kottayam	RWSS to Erattupetta	Urban		Erattupetta	0.4
196	PH Circle Kottayam	RWSS to Thidanadu	Urban		Erattupetta	0.04
197	PH Circle Kottayam	RWSS to Poonjar	Rural	Poonjar		0.24
198	PH Circle Kottayam	RWSS to PoonjarThekkekara	Rural	Poonjar		0.5
199	PH Circle Kottayam	RWSS to Thalanadu	Rural	Thalanadu		0.3
200	PH Circle Kottayam	UWSS to Pala	Urban		Pala	4.25
201	PH Circle Kottayam	ARWSS to Puliyanoor ,Meenachil&Akalakunnam villages	Rural	Kozhuvanal, Mutholi, Akalakkunnam		2.5
202	PH Circle Kottayam	ARWSS to LalamVallichira	Rural	Karoor		0.5
203	PH Circle Kottayam	RWSS to Ramapuram	Rural	Ramapuram		0.15
204	PH Circle Kottayam	ARWSS TO KIDANGOOR	Rural	Kidangoor		2
205	PH Circle Kottayam	RWSS TO ELAKKADU KURICHITHANAM AND PALAKKATTUMALA	Rural	Kadaplamattom, Marangattupally		0.65
206	PH Circle Kottayam	RWSS TO VATTUKULANGARA	Rural	Kidangoor		0.35
207	PH Circle Kottayam	RWSS KUMMANNOOR	Rural	Kidangoor		0.25
208	PH Circle Kottayam	ARWSS to Veliyanoor and adjoining villages	Urban - Rural	Mulakkulam, Velloor, Njeezhoor, Kaduthuruthy, Kallara, Kuravilangad, Veliyanoor, Uzhavoor, Thalayolapparambu, Chembu, Maravanthuruth, TV Puram, Udayanapuram, Vechoor, Thalayazham	Vaikom	45
209	PH Circle Kottayam	RWSS to Vennimala (Old)	Rural			0.06
210	PH Circle Kottayam	WSS to Manimala and adjoining Panchayats	Rural	Manimala, Vazhoor, Vellavoor, Pallikkathodu, Chirakkadavu		9
211	PH Circle Pathanamthitta	RWSS to Konni Thazhom	Rural	Konni, Thannithodu		3.5
212	PH Circle Pathanamthitta	RWSS to VallicoduKodumon	Rural	Kodumon, Vallicode		5.5
213	PH Circle Pathanamthitta	RWSS to Pramadom	Rural	Pramadom		2
214	PH Circle Pathanamthitta	RWSS to Konni Aruvappulam	Rural	Konni, Aruvappulam		2
215	PH Circle Pathanamthitta	RWSS to Malayalappuzha	Rural	Mlayalappuzha		1.65
216	PH Circle Pathanamthitta	RWSS to Malappara	Rural	Aruvappulam		0.75
217	PH Circle Pathanamthitta	RWSS to Thannithodu	Rural	Thannithodu		1
218	PH Circle Pathanamthitta	RWSS to Ponthanamkuzhy	Rural	Konni		0.6

219	PH Circle Pathanamthitta	UWSS to Adoor& Adj. Panchayaths	Urban - Rural	Ezhamkulam, Enadimamgalam, Pallikkal, Erath	Adoor		12.5
220	PH Circle Pathanamthitta	RWSS to Kadambanadu	Rural	Kadambanadu, Erath			4
221	PH Circle Pathanamthitta	UWSS to PandalamMunicipality	Urban		Pandalam		8
222	PH Circle Pathanamthitta	WSS to Chakkanchirumala	Rural	Pallikkal			0.05
223	PH Circle Pathanamthitta	UWSS to Pathanamthitta	Urban		Pathanamthitta		6
224	PH Circle Pathanamthitta	RWSS to Mylapra	Rural	Mylapra			1
225	PH Circle Pathanamthitta	RWSS to ElanthoorMallapuzhassery	Rural	Elanthoor, Mallapuzhassery			4.5
226	PH Circle Pathanamthitta	RWSS to Kulanada	Rural	Kulanada			2.5
227	PH Circle Pathanamthitta	RWSS to Omalloor	Rural	OmalloorChenneerkkara			1.5
228	PH Circle Pathanamthitta	RWSS to ChenneerkkaraMezhuvely	Rural	Chenneerkkara, Mezhuvely			1.7
229	PH Circle Pathanamthitta	RWSS to Aranmula	Rural	Aranmula			1.4
230	PH Circle Pathanamthitta	RWSS to Pandalam, ThekkekaraThumpamon	Rural	PandalamThekkekara, Thumpamon			1.3
231	PH Circle Pathanamthitta	RWSS to Kozhencherry	Rural	Kozhenchery			5
232	PH Circle Pathanamthitta	RWSS to Elantoor	Rural	Elantoor			0.2
233	PH Circle Pathanamthitta	WSS to Mezhuvely HC	Rural	Mezhuvely			0.1
234	PH Circle Pathanamthitta	WSS to Punnakunnu HC	Rural	Kulanada			0.2
235	PH Circle Pathanamthitta	WSS to Muttam HC	Rural	PandalamThekkekkara			0.1
236	PH Circle Pathanamthitta	WSS to Kadammanitta	Rural	Naranganam			0.1
237	PH Circle Pathanamthitta	CARWSS to Ranni, Pazhavangadi, Vadasserikkara	Rural	Ranni, Pazhavangadi, Vadasserikkara			7.5
238	PH Circle Pathanamthitta	RWSS Vechuchira	Rural	Naranamoozhi, Vechoochira			2.25
239	PH Circle Pathanamthitta	RWSS to Adichipuzha	Rural	Naranamoozhi, Ranni, Perunadu, Vadasserikkara			0.55
240	PH Circle Pathanamthitta	RWSS to Cherukole, Naranganam	Rural	Cherukole, Naranganam			0.8
241	PH Circle Pathanamthitta	RWSS KollamulaKurumbanmoozhi	Rural	Vechoochira			0.14
242	PH Circle Pathanamthitta	RWSS to Kudamurutty	Rural	Naranamoozhi			0.1
243	PH Circle Pathanamthitta	RWSS to Madathumpadi	Rural	Ranni- Pazhavangadi			0.1
244	PH Circle Pathanamthitta	RWSS to Angadi	Rural	Ranni-Angadi			1
245	PH Circle Pathanamthitta	RWSS to Ayathala	Rural	Ranni- Pazhavangadi			0.6
246	PH Circle Pathanamthitta	RWSS to Karikulam	Rural	Ranni- Pazhavangadi			0.3
247	PH Circle Pathanamthitta	RWSS to Vadasserikkara	Rural	Vadasserikkara			2.16
248	PH Circle Pathanamthitta	RWSS to Pezhumpara	Rural	Vadasserikkara			1.9
249	PH Circle Pathanamthitta	RWSS to Perunadu	Rural	Ranni, Perunadu			8

250	PH Circle Pathanamthitta	RWSS to Chittar and Meenkuzhy	Rural	Chittar		1.8
251	PH Circle Pathanamthitta	RWSS to Kodumudy	Rural	Chittar		0.35
252	PH Circle Pathanamthitta	CARWSS to Pampa and Sabarimala	Rural	Perunadu		13
253	PH Circle Pathanamthitta	RWSS to Chelachira HC (KurichiHomeo college)	Rural	Kurichy		0.05
254	PH Circle Pathanamthitta	RWSS to Thuruthy old	Rural	Vazhappally		0.025
255	PH Circle Pathanamthitta	RWSS to Thuruthy Aug.	Rural	Vazhappally		0.1
256	PH Circle Pathanamthitta	RWSS to Amara second stage	Rural	Thrikkodithanam		0.15
257	PH Circle Pathanamthitta	RWSS To Madappally HC Edappally	Rural	Madappally		0.6
258	PH Circle Pathanamthitta	RWSS to Kanjirathumoodu	Rural	Vazhappally		0.1
259	PH Circle Pathanamthitta	RWSS to Chethipuzha	Rural	Vazhappally		0.1
260	PH Circle Pathanamthitta	CARWSS to madapally , vakathanam, karukachal	Rural	Madapally , Vakathanam, Karukachal		2.5
261	PH Circle Pathanamthitta	RWSS to Nedukunnam&KangazhaKulathoommuzhy	Rural	Kangazha, Nedumkunnam		1.36
262	PH Circle Pathanamthitta	RWSS to Vellavoor	Rural	Vellavoor		0.1
263	PH Circle Pathanamthitta	RWSS to Kodungoor	Rural	Vazhoor		0.4
264	PH Circle Pathanamthitta	RWSS to Manakaracherry	Rural	Nedumkunnam		0.2
265	PH Circle Pathanamthitta	RWSS to Bangalakunnu	Rural	Karukachal		0.12
266	PH Circle Pathanamthitta	RWSS to Karukachal H C	Rural	Karukachal		0.15
267	PH Circle Pathanamthitta	RWSS to Njaliyakuzhyaug	Rural	Vakathanam		0.3
268	PH Circle Pathanamthitta	RWSS to Pichanattukulam	Rural	Vakathanam		0.3
269	PH Circle Pathanamthitta	RWSS to Njaliyakuzhy old	Rural	Vakathanam		0.1
270	PH Circle Pathanamthitta	RWSS to Vakathanam 8&9	Rural	Vakathanam		0.17
271	PH Circle Pathanamthitta	RWSS to Vakathanam 3&5 (Thottakkad)	Rural	Vakathanam		0.025
272	PH Circle Pathanamthitta	RWSS to Vazhoor	Rural	Vazhoor		0.19
273	PH Circle Pathanamthitta	RWSS to Mallappally	Rural	Mallappally		1.2
274	PH Circle Pathanamthitta	RWSS to Mullankuzhy	Rural	Mallappally		0.025
275	PH Circle Pathanamthitta	RWSS to Anicadu	Rural	Anicadu		2.06
276	PH Circle Pathanamthitta	RWSS to Perumpara	Rural	Kottangal		0.57
277	PH Circle Pathanamthitta	ARWSS to Kottangal	Rural	Kottangal		1.5
278	PH Circle Pathanamthitta	RWSS to Perumpeetty	Rural	Kottanadu		0.15
279	PH Circle Pathanamthitta	RWSS to Aruvickal	Rural	Kottanadu		0.15
280	PH Circle Pathanamthitta	RWSS to Ayroor-Kanjeettukara	Rural	Ayroor		5

281	PH Circle Pathanamthitta	RWSS to Koipuram	Rural	Koippuram			1.1
282	PH Circle Pathanamthitta	RWSS to Thottappuzhassery	Rural	Thottappuzhasseri			1.1
283	PH Circle Pathanamthitta	RWSS to Eraviperoor	Rural	Eraviperoor			1
284	PH Circle Pathanamthitta	RWSS to PuramattamVennikkulam	Rural	Puramattam			1.2
285	PH Circle Pathanamthitta	RWSS to Ezhumattoor	Rural	Ezhumattoor			0.9
286	PH Circle Pathanamthitta	RWSS to Kumbanad	Rural	Koippuram			0.024
287	PH Circle Pathanamthitta	RWSS to Thelliyoor Pond	Rural	Ezhumattoor			0.06
288	PH Circle Pathanamthitta	KWSS to Kuttanad(WTP At Nerettupuram)	Rural	Muttar, Thalavady, Edathua, Veliyanadu, Ramankari, Champakkulam, Pulinkunnu, Kavalam			14
289	PH Circle Pathanamthitta	RWSS to Edathua	Rural	Edathua			0.84
290	PH Circle Pathanamthitta	RWSS to Thakazhy	Rural	Thakazhy			1.344
291	PH Circle Pathanamthitta	RWSS to Veeyapuram	Rural	Veeyapuram			0.672
292	PH Circle Pathanamthitta	RWSS to Kainakary	Rural	Kainakary			1.584
293	PH Circle Pathanamthitta	RWSS to Champakkulam	Rural	Champakkulam			1.45
294	PH Circle Pathanamthitta	RWSS to Nedumudi	Rural	Nedumudi			2.2
295	PH Circle Pathanamthitta	RWSS to Neelamperoor	Rural	Neelamperoor			0.12
296	PH Circle Pathanamthitta	WSS to Kuttanadu(WTP at Thiruvalla)	Urban - Rural	Kaviyoor, Kunnamthanam, Thrikkodithanam, Payippad, Kurichi, Vazhappalli	Thiruvalla		33
297	PH Circle Pathanamthitta	RWSS to KaviyoorKunnamthanam	Rural	Kaviyoor, Kunnamthanam			3
298	PH Circle Pathanamthitta	UWSS to Thiruvalla-Changanacherry Municipalities	Urban - Rural	Pandanadu, Thiruvanvandoor, Kuttoor	Thiruvalla, Changanasseri		25
299	PH Circle Pathanamthitta	CRWSS to Nedumpuram, peringara, Niranam, Kadapra	Rural	Nedumpuram, Peringara, Niranam, Kadapra			14
300	PH Circle Pathanamthitta	WSS to Murugankunnu HC	Rural	Erath			0.15
301	PH Circle Pathanamthitta	RWSS to Arayanjilimon	Rural	Ranniperunad			Abanded

Annexure 3

District wise category of Schemes in Operation – Central Region

SI No	Circle	Name of Scheme	Urban/ Rural/ Urban-Rural	Name of Beneficiary Panchayath	Name of Beneficiary Municipality	Corporation	Installed Capacity (MLD)
1	PH Circle Alappuzha	JICA Assisted Water supply Scheme, Cherthala	Urban - Rural	Muhamma, Chethala, Kadakkarappally, Kanjikuzhi, Mararikkulam(n), Thanneermukkam, Ezhupunna, Kadamthuruth, Kuthiyathodu, Pathanakkad, Thuravoor, Vayalar, Arookutty, Pallippuram, Panavally, Perumbalam, Thykkattussery	Cherthala		107
2	PH Circle Alappuzha	UIDSSMT - Aug of WSS to Alappuzha municipality and 9 Adjoining Panchayath	Urban - Rural	Ambalapuzha(n), Ambalapuzha (s), Punnapra (North), Punnapra (S), Purakkad, Aryad, Mannancherry, Mararikulam(s)	Alappuzha		62
3	PH Circle Alappuzha	RWSS to Punnapra North (Paravoor)	Rural	Punnapra North			3
4	PH Circle Alappuzha	RWSS to Punnapra South	Rural	Punnapra South			2.25
5	PH Circle Alappuzha	RWSS to Vandanam	Rural	Ambalapuzha (N)			2.25
6	PH Circle Alappuzha	RWSS to Kanjippadam	Rural	Ambalapuzha (N)			0.75
7	PH Circle Alappuzha	RWSS to Ambalappuzha	Rural	Ambalapuzha (N) Ambalapuzha (S)			2.25
8	PH Circle Alappuzha	RWSS to Karumady	Rural	Ambalapuzha (S)			0.75
9	PH Circle Alappuzha	RWSS to Purakkad	Rural	Purakkad			3
10	PH Circle Alappuzha	RWSS to Thottapally	Rural	Purakkad			1.5
11	PH Circle Alappuzha	UWSS to Alappuzha	Urban		Alappuzha		12
12	PH Circle Alappuzha	RWSS to Aryad	Rural	Aryad			2.5
13	PH Circle Alappuzha	RWSS to Chettkad	Rural	Chettkad			2.5
14	PH Circle Alappuzha	RWSS to Mararikulam South	Rural	Mararikulam (s)			2
15	PH Circle Alappuzha	RWSS to Mannancherry	Rural	Mannancherry			2

16	PH Circle Alappuzha	CWSS to Kayamkulam (M) and Arattupuzha	Urban - Rural	Arattupuzha, Cheppad	Kayamkulam		12
17	PH Circle Alappuzha	RWSS to Arattupuzha	Rural	Arattupuzha			5.24
18	PH Circle Alappuzha	RWSS TO MUTHUKULAM	Rural	Muthukulam			2.22
19	PH Circle Alappuzha	RWSS TO KANDALLOOR	Rural	Kandalloor			2
20	PH Circle Alappuzha	RWSS TO DEVIKULANGARA	Rural	Devikulangara			2.11
21	PH Circle Alappuzha	RWSS TO PATHIYOOR	Rural	Pathiyoor			1.07
22	PH Circle Alappuzha	RWSS TO KRISHNAPURAM	Rural	Krishnapuram			1.47
23	PH Circle Alappuzha	RWSS TO Thrikunnapuzha	Rural	Thrikunnapuzha			4.4064
24	PH Circle Alappuzha	RWSS to Kumarapuram	Rural	Kumarapuram			2.16
25	PH Circle Alappuzha	RWSS to Karthikappally	Rural	Karthikappally			1.8144
26	PH Circle Alappuzha	RWSS to Pallippad	Rural	Pallipad			1.224
27	PH Circle Alappuzha	RWSS to Cheppad	Rural	Veeyapuram, Devikulangara			0.432
28	PH Circle Alappuzha	RWSS to Cheruthana	Rural	Cheruthana			1.296
29	PH Circle Alappuzha	RWSS tpChingoli	Rural	Chingoli			0.648
30	PH Circle Alappuzha	UWSS to Harippad	Urban		Harippad		0.432
31	PH Circle Alappuzha	RWSS to Karuvatta	Rural	Karuvatta			1.8432
32	PH Circle Alappuzha	UWSS to Chengannur	Urban		Chengannur		2.25
33	PH Circle Alappuzha	Aug of UWSS to Chengannur	Urban		Chengannur		2.5
34	PH Circle Alappuzha	WSS to Pandavanpara	Urban		Chengannur		0.16
35	PH Circle Alappuzha	WSS to Noottavanpara	Urban - Rural	Puliyoor	Chengannur		0.14
36	PH Circle Alappuzha	RWSS to Cheriyyanadu	Rural	Cheriyyanadu			2.5
37	PH Circle Alappuzha	ARWSS to Cheriyyanadu	Rural	Cheriyyanadu			2.5

38	PH Circle Alappuzha	ARWSS to Chennithala, Mannar, Kuruttussey and Thriperumthura villages	Rural	Chennithala, Mannar			15
39	PH Circle Alappuzha	UWSS to Mavelikara	Urban - Rural	Thazhakkara, Chettikulangara, Thekkekkara	Mavelikara		4.5
40	PH Circle Alappuzha	ARWSS to Nooranadu, Chunnakkara and adjoining panchayaht	Rural	Chunakkara, Nooranad, Palamel, Thamarakkulam			10
41	PH Circle Alappuzha	RWSS to Thekkekkara	Rural	Thekkekkara			0.7
42	PH Circle Alappuzha	RWSS to Chettikulangara	Rural	Chettikulangara			0.25
43	PH Circle Alappuzha	RWSS to Vallikunnam	Rural	Vallikunnam			0.7
44	PH Circle Alappuzha	RWSS to Bharanikavu	Rural	Bharanikavu			0.7
45	PH Circle Alappuzha	RWSS to Thamarakulam	Rural	Thamarakulam			1.6
46	PH Circle Alappuzha	RWSS to Thazhakkara	Rural	Thazhakkara			1.2
47	JNNURM Circle Kochi	JNNURM WSS to Kochi City Part - 1	Urban - Rural	Chellanam, Kumbalangi, Kumbalam	Maradu	Kochi	100
48	PH Circle Kochi	RWSS to Nagappady	Rural	chottanikkara			0.5
49	PH Circle Kochi	RWSS to Poothotta	Rural	Udayamperur			0.12
50	PH Circle Kochi	World Bank aided Water Supply Scheme to Puthencruz and adjoining panchayaths	Rural	Poothrikka, Aikaranad, VadavucodePuthencruz&Thiruvaniyoor			7.2
51	PH Circle Kochi	Augmnt of WSS to Tripunithura Municipality and adjoining Pts	Urban - Rural	Kumbalam, Chottanikkara, Udayamperur, VadavucodePuthencruz,	Thripunithura, Maradu		46
52	PH Circle Kochi	CWSS to KadungalloorKarum alloor&Alangad Pts	Rural	Kadungalloor, Karumalloor, Alangad			15.5

53	PH Circle Kochi	GIDA - CWSS to Varappuzha&Kadamakkudy Pts	Rural	Varappuzha, Kadamakkudy			4.5
54	PH Circle Kochi	RWSS to Puthenvelikkara	Rural	Puthenvelikkara			3.6
55	PH Circle Kochi	RWSS to Parakkadavu	Rural	Parakkadavu			1.46
56	PH Circle Kochi	CWSS to Perumbavoor &Vengola	Urban - Rural	Vengola	Perumbavoor		10
57	PH Circle Kochi	CWSS to Rayamangalam	Rural	Rayamangalam			2.3
58	PH Circle Kochi	RWSS to Koovapady	Rural	Koovapady			7.5
59	PH Circle Kochi	RWSS to Okkal	Rural	Okkal			6
60	PH Circle Kochi	RWSS to Perumani/Ottathani	Rural	Vengola			0.5
61	PH Circle Kochi	ARWSS to Vengoor East and West	Rural	Vengoor, Mudakkuzha, Koovapady			2.5
62	PH Circle Kochi	RWSS to Munipara	Rural	Vengoor			0.2
63	PH Circle Kochi	RWSS to Vengoor	Rural	Vengoor			0.2
64	PH Circle Kochi	RWSS to Mudakkuzha	Rural	Mudakkuzha			0.2
65	PH Circle Kochi	RWSS to Kuruppampady	Rural	Rayamangalam			0.2
66	PH Circle Kochi	RWSS to Nellimolam	Rural	Rayamangalam			0.2
67	PH Circle Kochi	RWSS to Keezhillam	Rural	Rayamangalam			0.2
68	PH Circle Kochi	RWSS to Kallil	Rural	Rayamangalam			0.2
69	PH Circle Kochi	RWSS to Asamannoor	Rural	Asamannoor			0.2
70	PH Circle Kochi	WSS to Vazhakulam-Kizhakkambalam-Kunnathunadu	Rural	Vazhakulam, Kizhakkambalam, Kunnathunadu			12
71	PH Circle Kochi	RWSS to Vilangu-Kavungaparambu	Rural	Kizhakkambalam			0.3
72	PH Circle Kochi	RWSS TO Kunnathunadu	Rural	Kunnathunadu			0.2
73	PH Circle Kochi	RWSS to Airapuram	Rural	Mazhuvannur			0.1
74	PH Circle Kochi	RWSS to Manchanadu	Rural	Mazhuvannur			1

75	PH Circle Kochi	RWSS to Thattamugal	Rural	Mazhuvannur			0.5
76	PH Circle Kochi	RWSS to Mannor	Rural	Mazhuvannur			0.5
77	PH Circle Kochi	RWSS to Veettoor	Rural	Mazhuvannur			0.1
78	PH Circle Kochi	UWSS to Angamaly	Urban		Angamaly		5.6
79	PH Circle Kochi	ARWSS to Kothakulangara South and Manickamangalam Villages	Rural	Kalady, Thuravuur, MalayatoorNeeleswaram			3.6
80	PH Circle Kochi	RWSS to Karukutty and Mookkannoor Panchayaths	Rural	Karukutty, Mookkannoor			4.5
81	PH Circle Kochi	LIC Aided RWSS to Malayatoor	Rural	Malayatoor			1.6
82	PH Circle Kochi	RWSS to Karukutty	Rural	Karukutty			0.2
83	PH Circle Kochi	RWSS to Ezhattumugham	Rural	Karukutty			0.2
84	PH Circle Kochi	RWSS to Ayyampuzha	Rural	Ayyampuzha			1.8
85	PH Circle Kochi	RWSS to Amalapuram and Thattupara	Rural	Ayyampuzha			0.9
86	PH Circle Kochi	RWSS to Manjapara	Rural	Manjapara			1.3
87	PH Circle Kochi	RWSS to Tabore	Rural	Mookkannoor			0.3
88	PH Circle Kochi	RWSS to Cheethappara	Rural	MalayatoorNeeleswaram			0.4
89	PH Circle Kochi	CRWSS to Sreemoolanagaram and Kanjoor Pt	Rural	Sreemoolanagaram, Kanjoor, Chengamanadu, Nedumbassery, Kunnukara, Parakkadavu, Chengamanadu			13.5
90	PH Circle Kochi	WSS to North ParurMunicipality and adj pt	Urban - Rural	Chennamangalam, Ezhikkara, Kottuvalli, Pallipuram, Kuzhupilli, Edavanakadu, Nayarambalam, Vadakkekara, Chittattukara	North Paravoor Municipality		63
91	PH Circle Kochi	EMWSS	Urban - Rural	Cheranallur, Mulavukad, Choorikkara, Keezhmadu, Edathala, Karumalloor, Kadungallur, Edathala, Elakunnapuzha, Njaraykkal	Aluva, Eloor, Kalamassery, Thrikkakara	Kochi	225
92	PH Circle Kochi	RWSS to Peechingachira	Rural	Vadavucode - puthencruz			0.2
93	PH Circle Kochi	RWSS to Kutta	Rural	Vadavucode			0.05
94	PH Circle Kochi	RWSS to Kadayiruppu	Rural	Ikkaranadu			0.1
95	PH Circle Kochi	RWSS to Mangattur	Rural	Ikkaranadu			0.2

96	PH Circle Kochi	RWSS to Nirappamala	Rural	Poothrika			0.1
97	PH Circle Kochi	TWSS to Pariyaram	Rural	Poothrika			0.05
98	PH Circle Thrissur	CWSS to Chalakudy & RWSS to Aloor Thazhekkad (part)	Urban - Rural	Aloor	Chalakudy		6
99	PH Circle Thrissur	AUWSS to Chalakudy	Urban		Chalakudy		11
100	PH Circle Thrissur	RWSS to Pulipparakunnu	Rural	Kodakara			0.21
101	PH Circle Thrissur	RWSS to Kodakara	Rural	Kodakara			0.84
102	PH Circle Thrissur	RWSS to Kavanad	Rural	Mattathur			0.54
103	PH Circle Thrissur	RWSS to Annampadam	Rural	Mattathur			0.16
104	PH Circle Thrissur	RWSS to Mattathur and Kadambode	Rural	Mattathur			0.81
105	PH Circle Thrissur	RWSS to Maniyankunnu, Kodyankunnu & Alathur	Rural	Muriyad			0.09
106	PH Circle Thrissur	RWSS to Anandhapuram	Rural	Muriyad			0.16
107	PH Circle Thrissur	BWSS to EMHS Aloor	Rural	Aloor			0.07
108	PH Circle Thrissur	RWSS to Aloor Thazhekkad (part)	Rural	Aloor			1.65
109	PH Circle Thrissur	RWSS to Aloor - Kallettukara	Rural	Aloor			0.25
110	PH Circle Thrissur	RWSS to Aloor - Kuzhikkattussery	Rural	Aloor			0.25
111	PH Circle Thrissur	RWSS to Aloor - Porunnamkunnu	Rural	Aloor			0.15
112	PH Circle Thrissur	BWSS To Kachery	Urban		Thrissur		0.15
113	PH Circle Thrissur	BWSS To Sooryagramam	Rural	Pudukkad			0.15
114	PH Circle Thrissur	BWSS To Thengumvetozhy	Urban - Rural	Puthur		Thrissur	0.07
115	PH Circle Thrissur	RWSS To Nenmanikkara	Rural	Nenmanikkara			0.8
116	PH Circle Thrissur	RWSS To Pookode and Mannampetta	Rural	Alagappanagar			0.15

117	PH Circle Thrissur	RWSS to Varakkara& RWSS to Varantharappilly	Rural	Alagappanagar ,Varantharappilly			0.46
118	PH Circle Thrissur	Aug of Thrikkur and Kallur villages	Rural	Thrikkur			3
119	PH Circle Thrissur	RDWSS to Pudukad - Alagappanagar&Parappukkara.	Rural	Pudukad, Parappukkara, Alagappanagar.			6
120	PH Circle Thrissur	RWSS to Mupliyam	Rural	Varantharappilly, Mattathoor			0.8
121	PH Circle Thrissur	WGDP Parakkadavu	Rural	Varantharappilly			1
122	PH Circle Thrissur	ARWSS to Meloor& RWSS to Koratty-	Rural	Meloor, Koratty			6
123	PH Circle Thrissur	RWSS to Kallur - Vadakkumury	Rural	Kadukutty			0.9
124	PH Circle Thrissur	RWSS to Pariyaram	Rural	Pariyaram			1
125	PH Circle Thrissur	BWSS to Chaippankuzhy	Rural	Kodassery			0.13
126	PH Circle Thrissur	BWSS to Pongam	Rural	Koratty			0.06
127	PH Circle Thrissur	RWSS to Nalukettu	Rural	Koratty			1
128	PH Circle Thrissur	WSS to Infopark- Bulk connection to Infopark	Urban				Only Raw water
129	PH Circle Thrissur	Augmentation to IWSS to Irinjalakuda	Urban - Rural	Poomanglam, Muriyad, Velukkara	Irinjalakuda		7
130	PH Circle Thrissur	IWSS to Irinjalakuda	Urban		Irinjalakuda		4.54
131	PH Circle Thrissur	RDWSS to Kattur, Padiyur, Poomangalam& RWSS to Karalam	Rural	Kattur, Padiyur, Poomangalam			8.1
132	PH Circle Thrissur	KPCTA - Karalam, Padiyur	Rural	Karalam			1.5
133	PH Circle Thrissur	RWSS to Thottippal	Rural	Parapookara			0.8
134	PH Circle Thrissur	WSS Urakam and Adj villages , UWSS to OllurEdakunni& AUWSS to chevoormarathakara	Rural	Cherpu, Vallachira			18
135	PH Circle Thrissur	WSS to Paralam	Rural	Paralam			2.5

136	PH Circle Thrissur	WSS to Avinissery,	Rural	Avinissery			2.5 CWSS to OVC
137	PH Circle Thrissur	CWSS to OVC (Cherpu, Vallachira), Avinissery	Rural	Cherpu, Vallachira			2.5
138	PH Circle Thrissur	WSS to KPCTA Chazhoor, ThanniamAnthikkad	Rural	Chazhoor, Thanniyam, Anthikad			2.5
139	PH Circle Thrissur	CWSS to NattikaFirka	Rural	Mathilakam, Sreenarayanapuram, Perinjanam, Kaippamangalam, Edathuruthy, Valappad, Nattika, Thalikulam, Vadanappaly, Engandiyoor			20
140	PH Circle Thrissur	CWSS to Mala & Adj Panchayaths , KMWSS	Urban - Rural	Mala, Poyya, Velangallur, Puthanchira, Annamanada, Kuzhuru	Kodungaloor		26.1
141	PH Circle Thrissur	CWSS to MethalaEriyadEdavilangu and Kadukutty Panchayaths	Urban - Rural	Kadukutty, Eriyad, Edavilangu	Kodungaloor		15
142	PH Circle Thrissur	RWSS to Ollukkara	Urban - Rural	Nadathra		Thrissur	1.5
143	PH Circle Thrissur	Augmentation of TWSS	Urban - Rural	NADATHARA (Part),KOLAZHY,MULAMKUNNATHUKAVU,ARIMBUR, MANALUR,ADAT, VENGIDANGU		Thrissur	36
144	PH Circle Thrissur	RWSS to Ramavarmapuram	Urban			Thrissur	0.25
145	PH Circle Thrissur	RWSS to Valiyaparambu	Rural	Kolazhy			0.03
146	PH Circle Thrissur	RWSS to Poomala	Rural	Mulakunnathukavu			0.1
147	PH Circle Thrissur	RWSS to Varadium	Rural	Avanoor			0.05
148	PH Circle Thrissur	Thrissur Water Supply Scheme (TWSS)	Urban - Rural	Pananchery		Thrissur	14.5
149	PH Circle Thrissur	RWSS to Puthur	Rural	Puthur			0.15
150	PH Circle Thrissur	RWSS to Puzhamballam	Rural	Puthur			0.1
151	PH Circle Thrissur	RWSS to Marathakkara	Rural	Puthur			0.06
152	PH Circle Thrissur	RWSS to Marottichal	Rural	Puthur			0.05
153	PH Circle Thrissur	RWSS to Vettukad	Rural	Puthur			0.05

175	PH Circle Thrissur	RWSS to Eyyal	Rural	Kandangodu			0.7
176	PH Circle Thrissur	RWSS to Mandamparambu	Rural	Kandangodu			0.6
177	PH Circle Thrissur	RWSS to Kanjiral	Rural	Velloor			0.6
178	PH Circle Thrissur	RWSS to Kiraloor	Rural	Velloor			0.4
179	PH Circle Thrissur	RWSS to Velloor	Rural	Velloor			0.6
180	PH Circle Thrissur	RWSS to Vellattajoor	Rural	Velloor			0.5
181	PH Circle Thrissur	RWSS to Pazhavor	Rural	Velloor			0.5
182	PH Circle Thrissur	RWSS to Panniyadi	Rural	Vallatholnagar			0.6
183	PH Circle Thrissur	RWSS to Nellikunnu	Urban		Wadakanchery		0.75
184	PH Circle Thrissur	CARWSS Thiruvilwamala, Kondazhy villages.	Rural	Thiruvilwamala, Kondazhy			4
185	PH Circle Thrissur	RWSS to Thiruvilwamala (Pampady)	Rural	Thiruvilwamala			1.3
186	PH Circle Thrissur	RWSS to Mayannur	Rural	Kondazhy			0.4
187	PH Circle Thrissur	RWSS to chelakkode	Rural	Kondazhy			0.14
188	PH Circle Thrissur	AUWSP Chelakkara CT	Rural	Chelakkara, Panjal			1
189	PH Circle Thrissur	RWSS to Attoor	Rural	Mulloorkara			0.1
190	PH Circle Thrissur	CARWSS to Pangarappilly	Rural	Chellakkara			0.4
191	PH Circle Thrissur	BWSS to Elamthuruthy	Urban			Thrissur	0.3
192	PH Circle Muvattupuzha	UWSS to Muvattupuzha and Marady	Urban - Rural	Marady, Arakkuzha	Muvattupuzha		10.5
193	PH Circle Muvattupuzha	CARWSS to Mulavoor, Assamannoor and Thrikkariyoor	Rural	Paipara, Assamannoor, Nellikuzhy			7
194	PH Circle Muvattupuzha	RWSS to Valakam	Rural	Valakam			3.5
195	PH Circle Muvattupuzha	RWSS to Arakkuzha	Rural	Arakkuzha, Palakkuzha			8
196	PH Circle Muvattupuzha	ARWSS to Manjalloor	Rural	Manjalloor			2.75
197	PH Circle Muvattupuzha	RWSS to Madakkathanam	Rural	Manjalloor			1.5

198	PH Circle Muvattupuzha	ARWSS to Avoli	Rural	Avoli			2.25
199	PH Circle Muvattupuzha	CARWSS to Kadavoor, Kalloorkkad, Kumaramangalam	Rural	Kadavoor, Kalloorkkad, Kumaramangalam			2.63
200	PH Circle Muvattupuzha	ARWSS to Enanalloor	Rural	Ayavana			0.9
201	PH Circle Muvattupuzha	RWSS to Kavana	Rural	Avoli, Manjallor			1.5
202	PH Circle Muvattupuzha	RWSS to Velloorkkara	Rural	Kalloorkkad			0.01
203	PH Circle Muvattupuzha	UWSS to Koothattukulam	Urban - Rural	Arakkuzha, Palakuzha	Koothathukulam		6
204	PH Circle Muvattupuzha	UWSS to Piravom and adjoining Panchayaths	Urban - Rural	Pambakudam, Ramamangalam	Piravom		16
205	PH Circle Muvattupuzha	RWSS to Ramamangalam	Rural	Ramamangalam, Marady			2.45
206	PH Circle Muvattupuzha	RWSS to Ayyanthanam	Rural	Pampakuda			0.3
207	PH Circle Muvattupuzha	RWSS to Pathikal	Rural	Ramamangalam			0.2
208	PH Circle Muvattupuzha	ARWSS to Maneed and Mulamthuruthy	Rural	Amballoor, Edakkattuvayal, Chottanikkara			5
209	PH Circle Muvattupuzha	ARWSS to Amballoor, Edakkattuvayal, Udayamperoor	Urban - Rural	Amballoor, Edakkattuvayal, Udayamperoor	Piravom		9
210	PH Circle Muvattupuzha	RWSS to Arakunnam	Rural	Edakkattuvayal			0.025
211	PH Circle Muvattupuzha	RWSS to Kulayattikkara	Rural	Amballoor			0.02
212	PH Circle Muvattupuzha	RWSS to Parpamcode	Rural	Edakkattuvayal			0.025
213	PH Circle Muvattupuzha	RWSS to Pulikkamaly	Rural	Mulamthuruthy			0.035
214	PH Circle Muvattupuzha	RWSS to Karikode	Rural	Mulamthuruthy			0.03
215	PH Circle Muvattupuzha	RWSS to Kaipattoor	Rural	Edakkattuvayal			0.025
216	PH Circle Muvattupuzha	UWSS to Kothamangalam	Urban		Kothamangalam		9
217	PH Circle Muvattupuzha	RWSS to Varappetty	Rural	Varappetty			3.75
218	PH Circle	ARWSS to	Rural	Kuttampuzha			2.5

	Muvattupuzha	Kuttampuzha					
219	PH Circle Muvattupuzha	ARWSS to Kuttampuzha (Vadattupara Zone)	Rural	Kuttampuzha			1
220	PH Circle Muvattupuzha	ARWSS Kuttamangalam, Neriamangalam	Rural	Kavalngadu, Pallarimangalam			3.25
221	PH Circle Muvattupuzha	WGDP To Chembankuzhy	Rural	Kavalngadu			0.5
222	PH Circle Muvattupuzha	RWSS to Pindimana	Rural	Pindimana			3.5
223	PH Circle Muvattupuzha	ARWSS to Pothanicad and Pallarimangalam	Rural	Pothanicad, Pallarimangalam			0.95
224	PH Circle Muvattupuzha	NCPC Pallarimangalam-SSF	Rural	Pallarimangalam			0.95
225	PH Circle Muvattupuzha	ARWSS to Keerampara	Rural	Keerampara			1.5
226	PH Circle Muvattupuzha	RWSS to Nellikkuzhy	Rural	Nellikkuzhy			2
227	PH Circle Muvattupuzha	RWSS to Trikkariyur	Rural	Nellikkuzhy			0.5
228	PH Circle Muvattupuzha	SCP Chelikkuzhithand	Rural	Nellikkuzhy			0.5
229	PH Circle Muvattupuzha	RWSS to Kottappady (old)	Rural	Kottappady			0.6
230	PH Circle Muvattupuzha	RWSS to Kottappady (New)	Urban - Rural	Kottappady			0.95
231	PH Circle Muvattupuzha	NRDWP Aug of RWSS to Kottappady	Rural	Kottappady			1.5
232	PH Circle Muvattupuzha	RWSS to Paingottoor	Rural	Paingottoor			0.5
233	PH Circle Muvattupuzha	WGDP to Chathamattam	Rural	Paingottoor			0.5
234	PH Circle Muvattupuzha	UWSS to Thodupuzha&Kumaragalam-	Urban		Thodupuzha		27
235	PH Circle Muvattupuzha	CARWSS to Alakode& Adj villages	Rural	Alakode, Karimannor, Kodikullam, Udumannur, Vannapuram			14
236	PH Circle Muvattupuzha	RWSS to Edavetty	Rural	Edavetty			3.5
237	PH Circle Muvattupuzha	RWSS to Anchiri	Rural	Alakode			0.03

238	PH Circle Muvattupuzha	RWSS to Ezhloor	Rural	Kumaramangalam		0.075
239	PH Circle Muvattupuzha	RWSS to Perumballichira	Rural	Kumaramangalam		0.4
240	PH Circle Muvattupuzha	TWSS to Uriyarkunnu	Rural	Kumaramangalam		0.05
241	PH Circle Muvattupuzha	RWSS to KaliyarPachila	Rural	Vannapuram		0.05
242	PH Circle Muvattupuzha	RWSS to Mulapuram	Rural	Karimannor		0.02
243	PH Circle Muvattupuzha	NRDWP to RWSS Manakkad and purapuzha	Rural	Manakkad&Purapuzha		8
244	PH Circle Muvattupuzha	RWSS to Muttom	Rural	Muttom		2
245	PH Circle Muvattupuzha	RWSS to Kannadippara	Rural	Muttom		0.05
246	PH Circle Muvattupuzha	TWSS to Illichary (Muttom)	Rural	Muttom		0.025
247	PH Circle Muvattupuzha	RWSS to Karimkunnam (Mattathippara)	Rural	Karimkunnam		1.5
248	PH Circle Muvattupuzha	RWSS to Vadakkumury	Rural	Karimkunnam		0.05
249	PH Circle Muvattupuzha	RWSS to Puthedom and Vattakkanni	Rural	Arakkulam, Velliyamattom		0.03
250	PH Circle Muvattupuzha	RWSS to Kudayathoor	Rural	Kudayathoor		1.5
251	PH Circle Muvattupuzha	RWSS to Velliyamattom	Rural	Velliyamattom		2
252	PH Circle Muvattupuzha	WSS to Vettimattom	Rural	Velliyamattom		0.04
253	PH Circle Muvattupuzha	RWSS to Karimkunnam (Azhagumpara)	Rural	Karimkunnam		1.2
254	PH Circle Muvattupuzha	RWSS to Arakulam	Rural	Arakkulam		0.5
255	PH Circle Muvattupuzha	TWSS to Thenmari	Rural	Velliyamattom		0.1
256	PH Circle Muvattupuzha	RWSS to Illiyari (Kattoli)	Rural	Karimkunnam		0.5
257	PH Circle Muvattupuzha	ARWSS to Idukki- Kanjikuzhi	Rural	Vazhathoppu, Mariyapuram, Idukki - Kanjikuzhi		5
258	PH Circle Muvattupuzha	RWSS to Kulamavu	Rural	Arakkulam		0.2

259	PH Circle Muvattupuzha	RWSS to Karimbanmanipara	Rural	Vazhathoppu, Idukki - Kanjikuzhi			0.1
260	PH Circle Muvattupuzha	RWSS to Perumkaala	Rural	Vazhathoppu			0.05
261	PH Circle Muvattupuzha	RWSS to Rajakad - Rajakumari	Rural	Rajakad, Rajakumari			1.5
262	PH Circle Muvattupuzha	RWSS to Santhanpara	Rural	Santhanpara			0.1
263	PH Circle Muvattupuzha	RWSS to Udumbanchola	Rural	Udumbanchola			0.3
264	PH Circle Muvattupuzha	RWSS to Kalkoonthal	Rural	Nedumkandam			0.1
265	PH Circle Muvattupuzha	RWSS NedumkandamPamp aadumpara	Rural	Nedumkandam			0.3
266	PH Circle Muvattupuzha	RWSS to Chakkakaanam	Rural	Karunapuram			0.1
267	PH Circle Muvattupuzha	RWSS to Pampadumpara	Rural	Pampadumpara			0.05
268	PH Circle Muvattupuzha	TWSS to Kattappana	Urban		Kattappana		0.1
269	PH Circle Muvattupuzha	TWSS to Valiyakandam	Urban		Kattappana		0.25
270	PH Circle Muvattupuzha	RWSS to Kadamakuzhy	Urban		Kattappana		0.1
271	PH Circle Muvattupuzha	RWSS to Marykulam	Rural	Ayyappancovil			0.6
272	PH Circle Muvattupuzha	RWSS to Chenninaykankudy	Rural	Ayyappancovil			0.1
273	PH Circle Muvattupuzha	ARWSS to Erattayar	Rural	Erattayar			2.5
274	PH Circle Muvattupuzha	RWSS to Munnar	Rural	Munnar			3.5
275	PH Circle Muvattupuzha	RWSS to Devikulam	Rural	Devikulam			0.2
276	PH Circle Muvattupuzha	RWSS to Kunjithanni	Rural	Pallivasal&Vellathooval			0.2
277	PH Circle Muvattupuzha	RWSS to Adimali	Rural	Adimali			2.6
278	PH Circle Muvattupuzha	CARWSS to Elappara and Adjoining Villages	Rural	Elappara, Peerumedu, Vandiperiyar, Thiruvanthanam, Kokayar			9.5
279	PH Circle Muvattupuzha	RWSS to Vandiperiyar	Rural	Vandiperiyar			1.75
280	PH Circle Muvattupuzha	WSS to Puliyannmala	Rural	Vandanmedu	Kattappana		0.2

281	PH Circle Muvattupuzha	WSS to Vandanmedu	Rural	Vandanmedu	Kattappana	0.21
282	PH Circle Muvattupuzha	ARWSS to Chakkupallam and Periyar Village	Rural	chakkupallam		4.5
283	PH Circle Muvattupuzha	WSS to Mulamkunnu	Rural	Mulamkunnu		0.23
284	PH Circle Muvattupuzha	WSS to Mukkulam	Rural	kokkayar		0.13
285	PH Circle Muvattupuzha	WSS to Peruvanthanam	Rural	Peruvanthanam		0.009
286	PH Circle Muvattupuzha	RWSS to Mlappara	Rural	Peruvanthanam		0.075
287	PH Circle Muvattupuzha	WSS to Karnikkadu	Rural	Peruvanthanam		0.009
288	PH Circle Muvattupuzha	WSS to Peermade	Rural	peermade		0.13
289	PH Circle Muvattupuzha	WSS to Pambanar	Rural	peermade		0.18
290	PH Circle Muvattupuzha	WSS to Kallarputhuval	Rural	peermade		0.092
291	PH Circle Muvattupuzha	WSS to Ranimudi	Rural	peermade		0.038
292	PH Circle Muvattupuzha	WSS to Pattumudi	Rural	peermade		0.038
293	PH Circle Muvattupuzha	WSS to Kumily	Rural	kumily		1.25
294	PH Circle Muvattupuzha	WSS to Upputhara	Rural	upputhara		0.43
295	PH Circle Muvattupuzha	WSS to Passuppara	Rural	pasuppara		0.02
296	PH Circle Muvattupuzha	WSS to Wagomon	Rural	wagamon		0.145
297	PH Circle Muvattupuzha	WSS to Ulupponi	Rural	elappara		0.028
298	PH Circle Muvattupuzha	WSS to Pullikkanam	Rural	elappara		0.045
299	PH Circle Muvattupuzha	WSS to Narakampuzha	Rural	Narakampuzha		0.09

Annexure 4

District wise category of Schemes in Operation – Northern Region

SI No	Circle	Name of Scheme	Urban/ Rural/ Urban-Rural	Name of Beneficiary Panchayath	Name of Beneficiary Municipality	Corporation	Installed Capacity (MLD)
1	PH Circle Palakkad	UWSS to Ottappalam	Urban - Rural	Ambalappara	Ottapalam		13
2	PH Circle Palakkad	BWSS to Pathankulam	Rural	anaganadi			1.872
3	PH Circle Palakkad	RWSS to Velliyad	Rural	vaniyamkulam			0.936
4	PH Circle Palakkad	BWSS to Nellikurussi	Rural	Lakkidi-Perur			0.3
5	PH Circle Palakkad	CWSS to Mannarkkad&Thenkara	Urban - Rural	Thenkara	Mannarkkad		7
6	PH Circle Palakkad	RWSS to Karimba	Rural	Karimba			2.48
7	PH Circle Palakkad	RWSS to Thachanattukara	Rural	Thachanattukarsa			1.3
8	PH Circle Palakkad	CWSS to Karakkurissi& Adj. Panchayaths	Rural	karakurussi, kanjirapuzha, Thachampara			7
9	PH Circle Palakkad	CWSS to Sreekrishnapuram& adj. Panchayaths	Rural	Sreekrishnapuram, Vellinezhy,Pukkottukavu Kadamazhyapuram,			11
10	PH Circle Palakkad	RWSS to Karimpuzha	Rural	Karimpuzha			4
11	PH Circle Palakkad	RWSS to Cherppulassery	Urban		Cherplassery		3.5
12	PH Circle Palakkad	RWSS to Nellya-Kulukkallur	Rural	Nellya&kulukkalloor			6
13	PH Circle Palakkad	RWSS to Vilayur-Koppam	Rural	Vilayur			1.3
14	PH Circle Palakkad	RWSS to Thiruvegappara	Rural	Thiruvegapura			1.7
15	PH Circle Palakkad	RWSS to Paruthur	Rural	Parathur			1.15
16	PH Circle	RWSS to Muthuthala	Rural	Muthuthala			1.29

	Palakkad					
17	PH Circle Palakkad	RWSS to Ongallur, vallapuzha	Rural	Ongallur vallapuzha		2.17
18	PH Circle Palakkad	UWSS to Shornur Municipality &vaniyamkulam Panchayath	Urban - Rural	Vaniamkulam (Not covered now)	shoranur Municipality	20
19	PH Circle Palakkad	CWSS to Anakkara, Pattithara&Kappur Panchayath	Rural	Anakkara, Pattithara, Kappur		8
20	PH Circle Palakkad	TWSS to Nagalassery	Rural	Nagalassery		6
21	PH Circle Palakkad	NRDWP WSS to Kodumbu and Polpully	Rural	Kodumu and Polppully		5
22	PH Circle Palakkad	Palakkad water supply scheme	Urban - Rural	Maruthrode,Pirayiri,Malampuzha,Akathethara, Pudupariyaram part	Palakkad	34
23	PH Circle Palakkad	RWSS to Pudussery	Rural	Pudussery part		8
24	PH Circle Palakkad	UIDSSMT to ChitturThathamangalam Municipality	Urban - Rural	Nalleppilly part	Chittur -Thathamangalam	3.45
25	PH Circle Palakkad	ARWSS to KoduvayurPudunagaram Panchayath	Rural	KoduvayurPuthunagaram		4.5
26	PH Circle Palakkad	State Plan-WSS to Perumatty and Pattanchery Panchayath	Rural	Pattanchery Part, Perumatty Part		18
27	PH Circle Palakkad	CRWSS to Kozhinjampara and adjoining villages	Rural	EruthenpathyKozhinjamparaVadakarapathyEla pully Part		5
28	PH Circle Palakkad	CWSS to Kollengode and ADJ. Panchayats	Rural	Kollengode,Muthalamada,Vadavannur,Elevenchery part		4.5
29	PH Circle Palakkad	CWSS to NenmmaraAyilor and Melarcode	Rural	Ayiloor, Melarcode, Nenmara		12.5
30	PH Circle Palakkad	NRDWP-CWSS to Kannadi, Kuzhalmannam&Thenkurussi	Rural	Kannadi, Thenkurussi, Kuzhalmannam		9.5
31	PH Circle Palakkad	NRDWP-CWSS to Peringottukurussi&Kuthanur	Rural	Kuthanur, peringottukurussi		4.5
32	PH Circle Palakkad	RWSS to Kizhakkenchery	Rural	Kizhakkenchery		1.15
33	PH Circle Palakkad	RWSS to Kannambra	Rural	Kannambra		0.6
34	PH Circle Palakkad	RWSS to Pudukode	Rural	Pudukode		0.6
35	PH Circle Palakkad	RWSS to Tarur	Rural	Tarur		0.6

36	PH Circle Palakkad	WSS to Thoonakkadavu - Parambikulam	Rural	Muthalamada		0.025
37	PH Circle Palakkad	RWSS to Nalleppilly	Rural	Nalleppilly		0.3
38	PH Circle Kozhikode	ARWS Koduvally	Urban		Koduvally	1.2
39	PH Circle Kozhikode	RWS Koduvally	Urban		Koduvally	0.14
40	PH Circle Kozhikode	WSS Madavoor	Rural	Madavoor		0.313
41	PH Circle Kozhikode	WSS Kizhakothe	Rural	Kizhakothe		0.4
42	PH Circle Kozhikode	WSS Thamarassery	Rural	Thamarassery		0.28
43	PH Circle Kozhikode	RWSS Mukkam	Urban		Mukkam	0.14
44	PH Circle Kozhikode	WSS Nellikampoyil	Urban		Mukkam	0.25
45	PH Circle Kozhikode	TWSS KTC Estate	Urban		Mukkam	0.1
46	PH Circle Kozhikode	RWSS Thiruvambady	Rural	Thiruvambadi		0.25
47	PH Circle Kozhikode	RWSS to Kodenchery	Rural	Kodenchery		1.114
48	PH Circle Kozhikode	WSS to Koorottupara(natural Source)	Rural	Kodenchery		0.3
49	PH Circle Kozhikode	WSS to Kandappanchal	Rural	Kodenchery		0.55
50	PH Circle Kozhikode	WSS Koovappara-Malamkunnu	Rural	Karassery		0.14
51	PH Circle Kozhikode	RWSS to Chathamangalam	Rural	Chathamangalam		0.7
52	PH Circle Kozhikode	TWSS to Thachampoyil	Rural	Thamarassery		0.02
53	PH Circle Kozhikode	TWSS Kayyelikkal	Rural	Thamarassery		0.04
54	PH Circle Kozhikode	RWSS to Kodyathoor	Rural	Kodyathur		0.18
55	PH Circle Kozhikode	RWSS to Cheruvatta	Rural	Kuruvattur		0.18
56	PH Circle Kozhikode	RWSS to Aduvad	Rural	Mavoor		Mavo or plant
57	PH Circle Kozhikode	RWSS to Kayalam	Rural	Peruvayal		0.14
58	PH Circle Kozhikode	RWSS to Koodathumpoyil	Rural	Kakkodi		0.08

59	PH Circle Kozhikode	RWSS to Ambramala	Rural	Kunnamangalam		JICA Plant
60	PH Circle Kozhikode	Calicut Water Supply Scheme (72)	Urban			Kozhikkode 72
61	PH Circle Kozhikode	Calicut Water Supply Scheme (174)	Urban			Kozhikkode 174
62	PH Circle Kozhikode	CWSS to Koyilandy and Adj Pt	Rural	Chakkittapara, Perambra, Koothali & Changaroth		12
63	PH Circle Kozhikode	RWSS to Narakkankunnu (Non WTP WTP)	Rural	Perambra		0.09
64	PH Circle Kozhikode	RWSS to Ponpara & Moyorkunnu (Non WTP WTP)	Rural	Perambra		0.11
65	PH Circle Kozhikode	RWSS to Perambra	Rural	Perambra		0.062
66	PH Circle Kozhikode	RWSS to Kayanna	Rural	Kayanna		0.36
67	PH Circle Kozhikode	RWSS to Paleri	Rural	Changaroth		0.03
68	PH Circle Kozhikode	RWSS to Kayakodi - Kavilumpara	Rural	Kavilanpara		0.2
69	PH Circle Kozhikode	Augmentation to BWSS	Urban		Vadakara	12
70	PH Circle Kozhikode	RWSS to Thiruvallur, Ayanchery, etc Villages	Rural	Thiruvallur & Ayanchery		1.2
71	PH Circle Kozhikode	RWSS to Madappalli	Rural	Onchiyam		0.01
72	PH Circle Kozhikode	WSS to Payamkuttimala	Rural	Villyappalli		0.01
73	PH Circle Kozhikode	Vatakara WSS	Urban - Rural	Edachery, Purameri, Onchiyam, Chorode, Eramala, Villyappalli, Azhiyur		4
74	PH Circle Kozhikode	Kunnummal and Adjoining & Villages	Rural	1) Valayam, 2) Vanimel		7
75	PH Circle Kozhikode	WSS to Malayil OLHC	Rural	Nadapuram		0.01
76	PH Circle Kozhikode	RWSS to Chekiad	Rural	Chekkiad		0.25
77	PH Circle Kozhikode	RWSS to Bhoomivathukal	Rural	Vanimel		0.2
78	PH Circle Kozhikode	WSS to AduppilKettil	Rural	Vanimel		0.01
79	PH Circle Kozhikode	WSS to Kollam	Urban		Koyilandy	0.02
80	PH Circle Kozhikode	WSS to Kakrattukunnu	Urban		Koyilandy	0.05
81	PH Circle Kozhikode	WSS to Komathukara	Urban		Koyilandy	0.03

82	PH Circle Kozhikode	WSS to Varakunnu	Urban		Koyilandy		0.08
83	PH Circle Kozhikode	WSS to Neelancherymala	Rural	Unnikulam			0.028
84	PH Circle Kozhikode	ARWSS to Unnikulam&Sivapuram	Rural	Unnikulam			0.25
85	PH Circle Kozhikode	WSS to Atholi	Rural	Atholi			0.025
86	PH Circle Kozhikode	WSS to Pullilamala	Rural	Atholi			0.02
87	PH Circle Kozhikode	WSS to Payyoli	Urban		Payyolli		0.07
88	PH Circle Kozhikode	SCP-WSS to Kottakunnu	Urban		Payyolli		0.07
89	PH Circle Kozhikode	WSS to Kottathuruthi	Urban		Payyolli		0.03
90	PH Circle Kozhikode	RWSS to Pottankandy	Rural	Meppayur			0.08
91	PH Circle Kozhikode	RWSS to MoozhikkalMeethal	Urban		Koyilandy		0.08
92	PH Circle Kozhikode	RWSS to Thikkodi	Rural	Thikkodi			0.025
93	PH Circle Kozhikode	SCP-WSS to Kidanjikunnu	Rural	Thikkodi			0.025
94	PH Circle Kozhikode	SCP-WSS Moiloorkunnu	Rural	Moodadi			0.06
95	PH Circle Kozhikode	RWSS to Meppayur town improvement	Rural	Meppayur			0.04
96	PH Circle Kozhikode	RWSS to Pootheripara	Rural	Arikkulam			0.04
97	PH Circle Kozhikode	RWSS to Dharmakunnu, Nedumbrakunnu	Rural	Meppayur			0.06
98	PH Circle Kozhikode	RWSS to Kottakunnu, Rarayatakunnu&Puthupatakunnu	Rural	Meppayur			0.08
99	PH Circle Kozhikode	WSS to Poothady	Rural	Poothady and Kaniyambetta (Part)			4.5
100	PH Circle Kozhikode	WSS to Ambalavayal	Rural	Ambalavayal and Nenmeni (Part)			2.25
101	PH Circle Kozhikode	WSS to BatheryNoolpuzha Panchayath	Urban - Rural	Noolpuzha	Sultan Bathery		4.5
102	PH Circle Kozhikode	CWSS to Pulpally&Mullankolly Panchayath	Rural	Pulpally and Mullankolly			5
103	PH Circle Kozhikode	WSS to Krishnagiri, Purakkady and Ambalavayal Villages	Rural	Ambalavayal and Meenangadi			5
104	PH Circle Kozhikode	ARWSS to Vemom, Nellurnadu and Porunnannur	Urban		Mananthavadi		2.5

105	PH Circle Kozhikode	ARWSS To Thirunelly	Rural	Thirunelly		2.5
106	PH Circle Kozhikode	WSS to Panamaram (Anchukunnu&kuppathodu Villages)	Rural	Panamaram		2.4
107	PH Circle Kozhikode	NABARD assisted WSS to MananthavadyEdavaka and Nalloornadu villages	Urban - Rural	Edavaka, Vellamunda(part), Panamaram(part)	Mananthavadi	10
108	PH Circle Kozhikode	ARWSS to Kaniyambetta	Rural	Kaniyambetta		2.5
109	PH Circle Kozhikode	UWSS to Kalpetta	Urban		Kapletta	10
110	PH Circle Kozhikode	RWSS to Muttill one I, III & IV	Rural	Muttill		0.15
111	PH Circle Kozhikode	RWSS to Vythiri	Rural	Vythiri		0.2
112	PH Circle Kozhikode	RWSS to Moopainad	Rural	Moopainad		0.5
113	PH Circle Kozhikode	RWSS to Pinangode	Rural	Pinangode		0.1
114	PH Circle Kozhikode	ARWSS to Padinjarathara&Thariode Villages	Rural	Padinjarathara, Thariode		4
115	PH Circle Kozhikode	WSS to Gandhinagar	Rural	Vengapally		0.01
116	PH Circle Kozhikode	WSS to Chundale	Rural	Vythiri		0.05
117	PH Circle Kozhikode	WSS to Valliyoorkavu	Urban		Mananthavadi	0.3
118	PH Circle Kozhikode	WSS to Pottankolly	Urban		Mananthavadi	0.3
119	PH Circle Kozhikode	WSS to Thirunelly Temple and surrounding tribal colonies	Rural	Thirunelly		1
120	PH Circle Kozhikode	WSS to Sasimala	Rural	Mullankolly		0.25
121	PH Circle Kozhikode	WSS to Vellamunda	Rural	Vellamunda		0.3
122	PH Circle Kozhikode	WSS to Seethamount	Rural	Mullankolly		0.25
123	PH Circle Kozhikode	RWSS to Erankottummam	Rural	Kavilanpara		0.005
124	PH Circle Kozhikode	RWSS to Chambiloramala	Rural	Kavilanpara		0.08
125	PH Circle Malappuram	CRWSS to Tirurangaddi	Urban		Tirurangadi	3.6
126	PH Circle Malappuram	CRWSS to Tirurangaddi (East Zone of Tirurangadi)	Urban		Tirurangadi	1

127	PH Circle Malappuram	ARWSS to AR Nagar Panchayat	Rural	AR Nagar		0.7
128	PH Circle Malappuram	WSS to Kannamangalam	Rural	Kannamangalam		4
129	PH Circle Malappuram	Jalanidhi- WSS to Urakam/ Vengara/ Parappur Pts.	Rural	Urakam, Vengara, Parappur		11
130	PH Circle Malappuram	ARWSS to Munniyur, thenhippalam, Chelembra and Peruvallur Panchayats (M/T/C/P)	Rural	Munniyur, thenhippalam, Chelembra and Peruvallur, Pallikkal (Part)		3
131	PH Circle Malappuram	CRWSS to Parappanangadi , Vallikunnu Panchayaths	Urban - Rural	Vallikunnu	Parappanangadi Municipality	1
132	PH Circle Malappuram	UWSS to Nilambur	Urban - Rural		Nilambur	4.5
133	PH Circle Malappuram	ARWSS to Amarambalam	Rural	Amarambalam		1.6
134	PH Circle Malappuram	ARWSS to Edakkara	Rural	Edakkara, Vazhikkadavu		1
135	PH Circle Malappuram	WSS to Padinjattumpadam	Rural	Chungathara		0.25
136	PH Circle Malappuram	UWSS Manjeri	Urban		Manjeri	12
137	PH Circle Malappuram	UWSS to Anakkayam&Panthallur Village	Urban - Rural	Anakkayam		8
138	PH Circle Malappuram	RWSS to Mampad	Rural	Mampad		0.5
139	PH Circle Malappuram	Nabard aided WSS to Areacode	Rural	Areacode		4
140	PH Circle Malappuram	ARWSS to Urangattiri	Rural	Urangattiri		1.15
141	PH Circle Malappuram	ARWSS to Keezhuparamba	Rural	Keezhuparamba		1
142	PH Circle Malappuram	ARWSS to Kavanoor	Rural	Kavanoor		0.6
143	PH Circle Malappuram	RWSS to Kodur (Konkayam, Nooradi& TWSS Parayarangadi)	Rural	Kodur		2.17
144	PH Circle Malappuram	RWSS to Koottilangadi	Rural	Koottilangadi		4.61
145	PH Circle Malappuram	RWSS to Padinhattumuri (Mothi&Unnamthala)	Rural	Koottilangadi		2
146	PH Circle Malappuram	RWSS to Mundayilpadi	Rural	Koottilangadi		0.5
147	PH Circle Malappuram	RWSS to Makkaraparamba	Rural	Makkaraparamba		0.2
148	PH Circle Malappuram	WSS to Othukkungal and Ponmala Panchayaths	Rural	Othukkungal, Ponmala		11

149	PH Circle Malappuram	UIDSSMT- MWSS to Malappuram Municipality	Urban		Malappuram		3.5
150	PH Circle Malappuram	MWSS to Malappuram Municipality	Urban		Malappuram		9
151	PH Circle Malappuram	MWSS to Malappuram - Hajiyarpalli	Urban		Malappuram		0.5
152	PH Circle Malappuram	UWSS to Perinthalamanna Municipality and Adjoining Panchayaths (Angadipuram, Elamkulam and Pulamanthole Panchayaths)	Urban - Rural	Angadipuram, Elamkulam, Pulamanthole	Perinthalamanna		19
153	PH Circle Malappuram	RWSS to Thazhekodde	Rural	Thazhekodde			0.18
154	PH Circle Malappuram	ARWSS to Wandoor	Rural	Wandoor, Thiruvalli			0.6
155	PH Circle Malappuram	RWSS to Kalikavu	Rural	Kalikavu, Chokkad			6
156	PH Circle Malappuram	ARWSS to Thuvvur	Rural	Thuvvur			0.6
157	PH Circle Malappuram	RWSS to Pandikkad	Rural	Pandikkad			0.6
158	PH Circle Malappuram	CARWSS to Moorkanad and adjoining villages	Rural	Moorkanad, Puzhakkattiri, Kuruva, Mankada, Makkaraparambu, Koottilangadi			15
159	PH Circle Malappuram	TWSS to Mankada (near KarkkidakamThodu and Karkkidakam School compound	Rural	Mankada			0.5
160	PH Circle Malappuram	CARWSS to Cheeckode and Adjoining Villages	Rural	Cheeckode, Kuzhimanna, Muthuvallur, Vazhayur, Vazhakkad, Pulikkal, Pallikkal and Cherukavu panchayaths	Kondotty, Ramanattukura		41
161	PH Circle Malappuram	WSS to Kuzhimanna&Muthuvalloor Panchayaths	Rural	Kuzhimanna&Muthuvalloor			0.04
162	PH Circle Malappuram	UWSS to Tirur	Urban - Rural	Cheriyamundam, Ponnundam, Thanalur, Thalakkad	Tirur		17
163	PH Circle Malappuram	CARWSS to Thirunavaya and Adj Pt	Rural	Tirunavaya, Athavanad, Marakkara, Kuttippuram			12
164	PH Circle Malappuram	RWSS to KottakkalParapur	Urban - Rural	Parappur	Kottakkal		2.25
165	PH Circle Malappuram	Jalanidhi WSS to Thenmala, PerumanaClari and Ozhur Pt	Rural	Thennal,Perumanna,Clari,Ozhur			13
166	PH Circle Malappuram	ARWSS to Valavanoor&Kalpakanchery	Rural	Valavannur,Kalpakanchery			6
167	PH Circle Malappuram	UWSS to Ponnani and ARWSS to Ezhuvathiruthy and Adj pts	Urban - Rural	Perumpadapp,veliyancode,maranchery	Ponnani		4.49
168	PH Circle	RWSS to Ponnani	Urban		Ponnani		4

	Malappuram					
169	PH Circle Malappuram	RWSS tpPalapetty	Rural	Perumpadapp,veliyancode		0.3
170	PH Circle Malappuram	DWSS to Edappal and adj pt	Rural	Edappal,Thavannur,Kalady,Nannamukku,Alam kode,Vattakulam		10.5
171	PH Circle Malappuram	RWSS to OthuKKungal	Rural	Othukkungal		0.1
172	PH Circle Malappuram	RWSS to IrimbillyamValancherry	Urban - Rural	Irimbillyam	Valancherry	6
173	PH Circle Malappuram	RWSS to Thazhethara	Rural	Tirunavaya, Kuttippuramjalanidhi		0.9
174	PH Circle Malappuram	RWSS to Unniyal	Rural	Niramaruthur		0.1
175	PH Circle Malappuram	RWSS to OZhur	Rural	Ozhur		0.1
176	PH Circle Kannur	WSS to Kannur Adjoining Panchayaths	Urban - Rural	Azhikode,Chirakkal ,valapattanam	Kannur	30
177	PH Circle Kannur	RWSS to Kunnumai Ambedkar colony	Rural	Chirakkal		0.025
178	PH Circle Kannur	RWSS to Valapattanam	Rural	Valapattanam		0.025
179	PH Circle Kannur	RWSS to Kattamballi	Rural	Chirakkal		0.025
180	PH Circle Kannur	RWSS to Chirakkal	Rural	Chirakkal		0.05
181	PH Circle Kannur	ARWSS to Edakkad Zone -II	Urban		Kannur	0.2
182	PH Circle Kannur	RWSS - Nilappanakunnu SC Colony	Rural	Munderi		0.025
183	PH Circle Kannur	RWSS - Eachur SC Colony	Rural	Munderi		0.04
184	PH Circle Kannur	RWSS - VaramThakkalipeedika	Urban		Kannur	0.025
185	PH Circle Kannur	RWSS to Ayippuzha-kalapara	Rural	koodali-partial		0.05
186	PH Circle Kannur	RWSS to Kallur SC Colony	Urban		Mattannur -partial	0.01
187	PH Circle Kannur	WSS to Kolachery& Adjoining Panchayaths	Urban - Rural	Narath, Kolachery, Mayyil, Kuttiyattor,Koodali, Mundry,Keezhallor	Mattannur	13.7
188	PH Circle Kannur	WSS to Keezhoor&Chavassery Villages	Urban		Iritty	46
189	PH Circle Kannur	RWSS TO IRITTY	Urban		Iritty	0.09
190	PH Circle Kannur	RWSS TO KARIKKOTTAKKARI	Rural	Ayyankunnu		0.05
191	PH Circle	RWSS TO ASANKUNNU	Rural	Ayyankunnu		0.05

	Kannur					
192	PH Circle Kannur	RWSS TO PARACKAMALA	Rural	Ayyankunnu		0.12
193	PH Circle Kannur	RWSS TO AYIRAKKALAM	Rural	Payam		0.01
194	PH Circle Kannur	RWSS TO VILAMANA	Rural	Payam		0.01
195	PH Circle Kannur	RWSS TO KOLIKADAVU	Rural	Payam		0.01
196	PH Circle Kannur	RWSS TO MUNDAYAMPARAMBA	Rural	Ayyankunnu		0.01
197	PH Circle Kannur	RWSS TO METELE PUNNAD	Urban		Iritty	0.009
198	PH Circle Kannur	RWSS To Sankarankandy	Rural	Thillenkeri		0.011
199	PH Circle Kannur	WSS to AnjarakandyPeralassery and adjoining pts.	Urban - Rural	Chembilode, Peralassery, Kadamboor, Muzhappilangad, Anjarakandy, Vengad,Pinarayi,Kathirur, Eranholi	Kannur	46
200	PH Circle Kannur	WSS to Thalassery, Mahi and adjoining Panchayaths	Urban - Rural	Dharmadam , New Mahe	Thalassery Municipality and Mahe (Pondichery)	36
201	PH Circle Kannur	ARWSS to Mangattidam Zone II	Rural	Mangattidam		0.2
202	PH Circle Kannur	WSS to KuthuparambaMunicipality,Kottayam&Pattiyam Census Towns	Urban - Rural	Kottayam and Pattiyam	Kuthuparamba	15
203	PH Circle Kannur	RWSS to Peravoor	Rural	Peravoor		0.07
204	PH Circle Kannur	RWSS to Kelakam	Rural	Kelakam		0.04
205	PH Circle Kannur	RWSS to Kottiyoor	Rural	Kottiyoor		0.02
206	PH Circle Kannur	RWSS to Adakkathodu	Rural	Kelakam		0.13
207	PH Circle Kannur	RWSS to Perunthanam	Rural	Kelakam		0.02
208	PH Circle Kannur	RWSS to Valayamchal	Rural	Kelakam		0.02
209	PH Circle Kannur	Rwss to Nananipoyil	Rural	Kelakam		0.015
210	PH Circle Kannur	RWSS to Kottakunnu	Rural	Peravoor		0.02
211	PH Circle Kannur	RWSS to Muzhakunnu	Rural	Muzhakunnu		0.15

212	PH Circle Kannur	RWSS to ManjalapuramVazhikudimala	Rural	Kelakam			0.008
213	PH Circle Kannur	RWSS to Trippangottoor	Rural	Trippangottoor			0.5
214	PH Circle Kannur	WSS to Panniyannur CT, Panoor&Mokeri Panchayaths	Urban - Rural	Panniyannoor, Mokeri	Panoor		6.5
215	PH Circle Kannur	RWSS to Kannavam	Rural	Pattiam			0.02
216	PH Circle Kannur	RWSS to Kottayam Mouveri	Rural	Kottayam			0.006
217	PH Circle Kannur	RWSS to Paral	Urban		Thalassery Municipality		0.025
218	PH Circle Kannur	ARWSS to Kodyyeri Zone I	Rural	New Mahe			0.1
219	PH Circle Kannur	RWSS to Kurichiyil	Rural	New Mahe			0.06
220	PH Circle Kannur	RWSS to Chokly	Rural	Chokly			0.01
221	PH Circle Kannur	RWSS to Kariyad	Urban		Panoor Municipality		0.01
222	PH Circle Kannur	ARWSS to Kodyyeri Zone II	Urban		Thalassery Municipality		0.05
223	PH Circle Kannur	RWSS to VayalalamParsikkunnu	Urban		Thalassery Municipality		0.05
224	PH Circle Kannur	JICA aided WSS to Pattuvam and Adjoining Villages	Urban - Rural	1.Pattuvam 2.Pariyaram 3.Chapparapadavu 4.kurumathur 5.Kalliassery 6.kannapuram 7.Chelukunnu 8.Pappinissery 9.Mattool 10.Kadannapally Panappuzha, 11. Ezhome 12.Madayi,	Thaliparamba, Andur, Payyanur	Kannur	93
225	PH Circle Kannur	RWSS to Arimbra	Rural	Chengalayi			0.03
226	PH Circle Kannur	RWSS to Chempei&Ambazhathumchal	Rural	Eruvessy			0.04
227	PH Circle Kannur	RWSS to Ettupara	Rural	Payyavoor			0.03
228	PH Circle Kannur	RWSS to Payyavoor	Rural	Payyavoor			0.91
229	PH Circle Kannur	RWSS to Pooparamba	Rural	Eruvessy			0.04
230	PH Circle	RWSS to Valakkai	Rural	Chengalayi			0.03

	Kannur					
231	PH Circle Kannur	RWSS to Vathilmada	Rural	Payyavoor		0.0275
232	PH Circle Kannur	ARWSS to Padiyur and vayathur village zone -II	Rural	Ulikkal		1.5
233	PH Circle Kannur	WSS to Irikkur& Adjoining Villages	Urban - Rural	Malappattam, Irikkur(Jalanidhi bulk connection)	Sreekandapuram	JICA Plant
234	PH Circle Kannur	ARWSS to Padiyur and vayathur village zone -1,	Rural	Padiyoor		5.5
235	PH Circle Kannur	RWSS to Kallody	Rural	Alakode		0.016
236	PH Circle Kannur	RWSS to Kottayad	Rural	Alakode		0.02
237	PH Circle Kannur	RWSS to Karthikapuram	Rural	udayagiri,Alakode		0.3
238	PH Circle Kannur	RWSS to Naduvil	Rural	Nadavil,		0.03
239	PH Circle Kannur	RWSS to Alakode	Rural	Alakode		0.04
240	PH Circle Kannur	RWSS to Thaliparamba	Urban		Thaliparamba	JICA Plant
241	PH Circle Kannur	RWSS to Karakkunnu	Rural	Kannapuram		0.01
242	PH Circle Kannur	RWSS to Ezhome	Rural	Ezhome Rural		0.02
243	PH Circle Kannur	RWSS to Cheruthazham SC Colony	Rural	Cheruthazha m		0.02
244	PH Circle Kannur	RWSS to EdattValluva Colony	Rural	Kunhimanga lam		0.05
245	PH Circle Kannur	RWSS to Kunhimangalam	Rural	Kunhimanga lam		0.03
246	PH Circle Kannur	RWSS to EzhilodChakliya colony	Rural	Cheruthazha m		0.015
247	PH Circle Kannur	RWSS to Kotta	Rural	Cheruthazha m		0.015
248	PH Circle Kannur	RWSS to Kuttur	Rural	EramamKuttur		0.05
249	PH Circle Kannur	WSS to Naval Academy,Ramanthali& CRPF Peringome	Rural	Ramanthali, Peringomevayakkara		8
250	PH Circle Kannur	RWSS to Ettikulam	Rural	Ramanthali		0.1
251	PH Circle Kannur	WSS to Payyannur (JICA)	Urban		Payyanur	JICA Plant
252	PH Circle Kannur	WSS to BRDC	Rural	Ajanur, Pallkara, Uduma		7.4

253	PH Circle Kannur	WSS to Madikai	Rural	Madikai		3
254	PH Circle Kannur	ARWSS to Malom&Balal	Rural	Balal		1.8
255	PH Circle Kannur	WSS to Belur and adjoining Villages	Rural	Kodombelur		3
256	PH Circle Kannur	MWSS to Melabara	Rural	Udma		0.1
257	PH Circle Kannur	MWSS to Velutholi	Rural	Pallikara		0.03
258	PH Circle Kannur	RWSS to Ajanur	Rural	Ajamar		0.126
259	PH Circle Kannur	RWSS to Gandhipuram	Rural	Panathady		0.14
260	PH Circle Kannur	RWSS to Kanhangad	Urban		Kanhangad	1.4
261	PH Circle Kannur	MWSS to veleshwaram	Rural	Ajanur		0.06
262	PH Circle Kannur	RWSS to Panathady	Rural	Kallar		0.162
263	PH Circle Kannur	WSS to West Eleri	rural	West Eleri		3
264	PH Circle Kannur	MWSS to Mouveni	rural	West Eleri		0.04
265	PH Circle Kannur	RWSS to Olevara	rural	Trikaripur		0.045
266	PH Circle Kannur	RWSS to KannamkaiEdakai	rural	Trikaripur		0.06
267	PH Circle Kannur	RWSS to Vayalodi	rural	Trikaripur		0.045
268	PH Circle Kannur	RWSS to Barma	rural	Trikaripur		0.045
269	PH Circle Kannur	RWSS to Trikaripur	rural	Trikaripur		0.055
270	PH Circle Kannur	RWSS to Meeliyat	rural	Trikaripur		0.06
271	PH Circle Kannur	MWSS to Madhuramkai	rural	Trikaripur		0.03
272	PH Circle Kannur	MWSS to Kunathur	rural	Pilicode		0.05
273	PH Circle Kannur	RWSS to Mundakandam	rural	Pilicode		0.06
274	PH Circle Kannur	RWSS to Maicha	rural	Cheruvathur		0.08
275	PH Circle Kannur	RWSS to Madikunnu	rural	Cheruvathur		0.045
276	PH Circle	RWSS to Kadangod	rural	Cheruvathur		0.06

	Kannur					
277	PH Circle Kannur	RWSS to Achamthuruthy	rural	Cheruvathur		0.06
278	PH Circle Kannur	RWSS to Kaithakkad	rural	Cheruvathur		0.06
279	PH Circle Kannur	RWSS to KaryamkodThottumpuram	rural	Cheruvathur		0.045
280	PH Circle Kannur	MWSS to Chathamath	urban		Nileswer	0.04
281	PH Circle Kannur	MWSS to Karuvachery	urban		Nileswer	0.045
282	PH Circle Kannur	RWSS to Kayyur	urban		Nileswer	0.06
283	PH Circle Kannur	RWSS to Nileswar	Rural	Kayyurcheemeni		0.1
284	PH Circle Kannur	RWSS to Purathekai	urban		Nileswer	0.045
285	PH Circle Kannur	RWSS to TrikaripurKadappuram	urban		Nileswer	0.03
286	PH Circle Kannur	MWSS to Oriyera	rural	Valiyaparamba		0.045
287	PH Circle Kannur	MWSS to Panniyerinhakolly	rural	KinanoorKarindalam		0.02
288	PH Circle Kannur	MWSS to Mattalai	rural	Peelikode		0.04
289	PH Circle Kannur	WSS to KayyurCheemeni	rural	Kayyurcheemeni		3
290	PH Circle Kannur	RWSS to Enmakaje& Adjoining Villages	Rural	Enmakaje		4
291	PH Circle Kannur	ARWSS to Badiadka&Neerchal villages	Rural	Badiadiadka		1.866
292	PH Circle Kannur	RWSS to Munnad, Bedadka&Kuttikkol villages	Rural	Bedadka ,Kuttikkol		3
293	PH Circle Kannur	MWSS to Baradka	Rural	Badiadkaa		0.01
294	PH Circle Kannur	RWSS to Muliyar	Rural	Muliyar		0.33
295	PH Circle Kannur	MWSS to Karivedakam	Rural	Badadka		0.02
296	PH Circle Kannur	TWSS to Kuthaje	Rural	Enmakaje		0.05
297	PH Circle Kannur	MWSS to Kalladakkutty	Rural	Bedadka		0.02
298	PH Circle Kannur	Kasaragod Water supply Scheme	Urban - Rural	Chengala(pt), Madhur(pt), Mogralputhur(pt)	Kasaragod	8
299	PH Circle Kannur	RWSS to Madhur	Rural	Madhur		0.25

300	PH Circle Kannur	RWSS to Mogralputhur	Rural	Mogralputhur&Madhur		0.25
301	PH Circle Kannur	MWSS to Pernadka	Rural	Mogralputhur&Madhur		0.03
302	PH Circle Kannur	RWSS to Paravandukka&Melparamba	Rural	Chemnad		0.18
303	PH Circle Kannur	TWSS to Chattanchal	Rural	Chemnad		0.06
304	PH Circle Kannur	MWSS to Thekkilparamaba	Rural	Chemnad		0.03
305	PH Circle Kannur	TWSS to Bendichal	Rural	Chemnad		0.02
306	PH Circle Kannur	TWSS to Kombanadukkam	Rural	Chemnad		0.01
307	PH Circle Kannur	RWSS to Cherkala	Rural	Chengala		0.06
308	PH Circle Kannur	TWSS to Paikka	Rural	Chengala		0.04
309	PH Circle Kannur	TWSS to Indira Nagar	Rural	Chengala		0.06
310	PH Circle Kannur	MWSS to Koppa	Rural	Chengala		0.03
311	PH Circle Kannur	ARWSS to Vorkady and adjoining villages	Rural	Vorkady and Manjeshwar		2
312	PH Circle Kannur	ARWSS to Uppala and adjoining villages	Rural	Mangalpadypanchayath		3
313	PH Circle Kannur	RWSS to Bambrana and Koipady	Rural	Kumbala Panchayath		0.6
314	PH Circle Kannur	WSS TO Manjeswaram-Hosebettu and Chouki	Rural	Manjeshwar Panchayath		0.07
315	PH Circle Kannur	RWSS to VamanjurKaje	Rural	Manjeshwar Panchayath		0.02
316	PH Circle Kannur	TWSS to Kadambar	Rural	Meenja Panchayath		0.02
317	PH Circle Kannur	TWSS to Shantipallam-I	Rural	Kumbala Panchayath		0.01
318	PH Circle Kannur	TWSS to Shantipallam-II	Rural	Kumbala Panchayath		0.01
319	PH Circle Kannur	TWSS to Peruvad	Rural	Kumbala Panchayath		0.01
320	PH Circle Kannur	TWSS to Mavinakatta	Rural	Kumbala Panchayath		0.01
321	PH Circle Kannur	RWSS to Kumbala	Rural	Kumbala Panchayath		0.04
322	PH Circle Kannur	RWSS to Manjeshwar	Rural	Manjeshwar Panchayath		0.07
323	PH Circle	TWSS to Ichilamkod	Rural	Mangalpadypanchayath		0.01

	Kannur					
324	PH Circle Kannur	MWSS to Olayam	Rural	Mangalpady Panchayath		0.03
325	PH Circle Kannur	TWSS to BangaraManjeshwar- Angadipadavu	Rural	Manjeshwar Panchayath		0.03
326	PH Circle Kannur	TWSS to Kunjathur	Rural	Manjeshwar Panchayath		0.06
327	PH Circle Kannur	TWSS to Pappamkoyanagar	Rural	Kumbala Panchayath		0.02
328	PH Circle Kannur	TWSS to Peral Kannur	Rural	Kumbala Panchayath		0.001

Annexure 5

List of DRW works taken up by KWA(District Wise) during the year 2020-21

Sl No	Circle	District	Name of Scheme	Name of Work	Amount in Lakh
1	PH Circle Thiruvananthapuram	Thiruvananthapuram	CWSS to Varkala& Adjoining villages	DRW 2021-Repair of 500 mm Sluice Valve in pumping Main pipe inside Thettikulam booster pumphouse yard and other connected works	2.45
2	PH Circle Thiruvananthapuram	Thiruvananthapuram	CWSS to Varkala& Adjoining villages	DRW 2021-Washing and Cleaning of the 2 clarifloculators at Mullaserikunnu Treatment Plant	0.41
3	PH Circle Thiruvananthapuram	Thiruvananthapuram	TWSS	Urgent restoration of water supply by laying new 63mm PVC main for residents of Kaipally lane along Aksharaveedhi road under Perunthani ward	0.97915
4	PH Circle Thiruvananthapuram	Thiruvananthapuram	CWSS to VakkomAnjengo	DRW-2020-2021 Providing temporary bund across vamanapuram river at poovanpara rising the height existing concrete bund	4
5	PH Circle Thiruvananthapuram	Thiruvananthapuram	ARWSS to Kilimanoor, Pazhayakunnummel&Madavoor villages	DRW-2020-2021 Providing temporary bund across Vamanapuram river near karatte bridge	2.5
6	PH Circle Thiruvananthapuram	Thiruvananthapuram	ARWSS to edakkodu& adjoining villages	Improving water supply to gallery of raw water pump house at Ayilam	0.4
7	PH Circle Thiruvananthapuram	Thiruvananthapuram	CWSS to Vilavoorkalpallichal&balaramapuram	Blockage cleaning to intake pipes, well etc and desilting cleaning of raw water well and providing screening mesh in intake pipe.	4
8	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Vechoochira	DRW 2021 - RWSS to Vechoochira - Cleaning of Intake well at Perunthenaruvi	2.94
9	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Vechoochira	DRW 2021 - RWSS to Vechoochira - Providing Temporary Bund, clearing of leading channel at River side and Fabricating & welding Y joint in 200 mm header pipe.	2.05
10	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Kozhencherry	RWSS to Kozhencherry - Desilting intake well	2
11	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Pramadam	RWSS to Pramadam - Desilting intake well	1.75
12	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Aythala	DRW 2021-RWSS to Aythala - Cleaning of Intake well & Clearing of water way to Gallery pipes near Aythala Intake	0.84
13	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Kadampanad	RWSS to Kadampanad - Desilting intake well	1.75
14	PH Circle	Pathanamthitta	RWSS to Mylapra	RWSS to Mylapra - Desilting intake well at Kumbazha	2.5

	Pathanamthitta				
15	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Vadasserikkara and Pezhumpara	DRW 2021-RWSS to Vadasserikkara and Pezhumpara - Cleaning of well of Intake pump house at Champone, Vadasserikkara	1.47
16	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Malayalappuzha	RWSS to Malayalappuzha - Desilting intake well	2.5
17	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Angadi	DRW 2021-RWSS to Angadi - Cleaning of well of Intake pump house at Pulimukku	0.74
18	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Vallikkod	RWSS to Vallikkod - Desilting intake well	1.5
19	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Angadi	DRW-20201-RWSS to Angadi- Providing Temporary Bund and Clearing of Leading Channel near Angady intake pump house	1.3
20	PH Circle Pathanamthitta	Pathanamthitta	UWSS to Pathanamthitta	UWSS to Pathanamthitta - Desilting intake well	2.5
21	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Angadi	DRW 2021 - RWSS to Angadi - Excavation of silt and slush from river bank of gallery portion at intake well	0.13
22	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Kollamula&Kurumbanmoozhy	DRW 2021 - RWSS to Kollamula&Kurumbanmoozhy - Excavation of silt and slush from river bank of gallery portion at intake well	0.09
23	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Vadasserikkara and Pezhumpara	RWSS to Vadasserikkara and Pezhumpara - Providing Temporary Bund across Pampa River Near Champone Intake pump house	0.97
24	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Nedumkunnam&kangazha	Maintaince of R.W.S.S. To Nedumkunnam&kangazha- Providing temporary check dam near the down stram of Manimala river near kulathoormoozhy	2
25	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Nedumkunnam&kangazha	Desilting of 6.00 M dia well at kulathoormoozhy	2.5
26	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Vellavoor H.C	Desilting of 6.00 M dia well at Moongani in Vellavoor Panchayath.	2
27	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Nedumkunnam&kangazha	Repairing existing damaged gallery and gallery pipe near babby well at Kulathoormoozhy	6
28	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Manakkara in Nedumkunnam	Desilting of Manakkara well at PLC factory in Nedumkunnam panchayath	1
29	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. to Njaliyakuzhy Augmentation	Desilting of well at Udikkal in Vakathanam panchayath	1
30	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Vakathanam 3& 5	Desilting of well at Parappa near Thottacadu in Vakathanam panchayath	1
31	PH Circle Pathanamthitta	Pathanamthitta	R.W.S.S. To Vakathanam 8 &9	Desilting of well at Puthanchantha near Thottacadu in Vakathanam panchayath	1
32	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Ayroor-Kanjeettukara	Desilting Open well ,Gallery of Raw water Pump house ,Edappavoor	3.5

33	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Mallappally	Desilting Open well & baby well, Providing Temporary Bund across Manimala River	5
34	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Eraviperoor	Desilting Open well & Baby well of intake well cum PH at Prayattukadavu, Eraviperoor	2.5
35	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Thottappuzhaserry	Desilting Open well of intake well of ,Thottappuzhaserry Pump house	2
36	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Anicadu	Desilting Open well at Pullukuthi	1.7
37	PH Circle Pathanamthitta	Pathanamthitta	RWSS to Koipuram	Desilting Open well of intake well of ,Konnathukadavu Pump house of Koipuram	2
38	PH Circle Pathanamthitta	Pathanamthitta	RWSS To Kaviyoor-Kunnamthanam	Drought Relief work -RWSS to KaviyoorKunnamthanam - Cleaning and desilting Intake well, clearing and desilting leading pipe, chamber in river at raw water pump house Edassereykkayam in Kaviyoor Panchayath.	5
39	PH Circle Kottayam	Kottayam	RWSS to Chirakkadavu, Kanjirapally, Elikkulam	Well cleaning and providing gallery at Karimpunkayam	13
40	PH Circle Kottayam	Kottayam	RWSS to Challoly	Pond cleaning and Mace of pump house at Challoly	4
41	PH Circle Kottayam	Kottayam	ARWSS to Parathodu	Well cleaning works and mace of pump houses at Parathodu	6
42	PH Circle Kottayam	Kottayam	RWSS to Mundakkayam	Well cleaning at Mundakkyam	1.5
43	PH Circle Alappuzha	Alappuzha	RWSS to Nooranad	RWSS to Nooranad - Desilting of intake well at Edapon row water pump house.	4
44	PH Circle Alappuzha	Alappuzha	RWSS to Thazakara	RWSS to Thazhakkara - Desilting of intake well and baby well at Thazhakkara pump house.	5
45	PH Circle Muvattupuzha	Idukki	RWSS to Mulamkunnu	RWSS to Mulamkunnuprovding temporary bund across Kokkayar river near Mulamkunnu Source	2
46	PH Circle Muvattupuzha	Idukki	RWSS to Kunchithanni	RWSS to Kunchithanni - Urgent well cleaning and pump maintenance at kunjithanni pump house	1.5
47	PH Circle Thrissur	Thrissur	RWSS to Mattathur&Kadambodeu	RWSS to Mattathur- Kadambodu - Replacement of 75mm PVC Pipe 330 meter	0.7
48	PH Circle Thrissur	Thrissur	RWSS to Mattathur&Kadambodeu	RWSS to Mattathur&kadambodu - Repalcing old 100mm GI pumping main with new 100mm CI pipe	1.5
49	PH Circle Thrissur	Thrissur	PRWSS	Desilting of Gallery well, S2 Pump house -W1 &W2	5
50	PH Circle Palakkad	Palakkad	UWSS to Mannarkkad and Thenkara	Construction of Temporary bund across Kunthipuzha	1.2
51	PH Circle Palakkad	Palakkad	RWSS to Karimba	Construction of Temporary bund across Thuppanadpuzha	0.25
52	PH Circle Palakkad	Palakkad	RWSS to VilayoorKoppam	Construction of Temporary bund across Thoothapuzha	0.6
53	PH Circle Palakkad	Palakkad	RWSS to VilayoorKoppam	Construction of Temporary bund across Thoothapuzha	0.6
54	PH Circle Palakkad	Palakkad	UWSS to Mannarkkad and Thenkkara	CWSS to Mannarkkad&Thenkara Desilting intake well & Chamber	1.5
55	PH Circle Palakkad	Palakkad	RWSS to Thachanattukara	RWSS tpThachanattukara desilting intake well	1.5
56	PH Circle	Kozhikode	RWSS to Madavoor	Temporary Bund across the river	3.5

	Kozhikode				
57	PH Circle Kozhikode	Kozhikode	RWSS to Chekiad	Construction Of Temporary bund Across Chettakkandi River	2
58	PH Circle Kozhikode	Wayanad	CWSS to Mullankolly and Pulpally-	cleaning well ,leading channel and infiltration gallery at Kabani river	5
59	PH Circle Kozhikode	Kozhikode	RWSS to Madavoor	Infiltration Gallery cleaning	3
60	PH Circle Kozhikode	Kozhikode	WSS to Aduppilkettil	Construction Of Temporary bund Across Vanimel River	3
61	PH Circle Kozhikode	Wayanad	CWSS to Poothadi	cleaning well ,leading channel, infiltration gallery and Providing Bund at Panamaram	8
62	PH Circle Kozhikode	Kozhikode	RWSS to Madavoor	Silt removal from the well.	2
63	PH Circle Kozhikode	Kozhikode	RWSS to Unnikulam Sivapuram	Providing temporary bund and engaging summer pumping	1
64	PH Circle Kozhikode	Wayanad	CWSS to Sulthanbathery & Noolpuzha-	cleaning well ,leading channel, infiltration gallery and Providing Bund at Muthanga	5.5
65	PH Circle Kozhikode	Kozhikode	RWSS to Nellikkampoyil	Temporary Bund across the river	3
66	PH Circle Kozhikode	Kozhikode	RWSS TO KAYANNA	Cleaning channel of intake well and replacing damaged Shutter of check dam.	1.5
67	PH Circle Kozhikode	Wayanad	ARWSS to Thirunelli Temple and surroundings	cleaning of well	3.5
68	PH Circle Kozhikode	Kozhikode	RWSS to Nellikkampoyil	Infiltration Gallery cleaning	3
69	PH Circle Kozhikode	Wayanad	RWSS to Vellamunda	cleaning of the natural weir at Pulihal	3
70	PH Circle Kozhikode	Kozhikode	RWSS to Nellikkampoyil	Silt removal from the well.	2
71	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement-Desilting of Raw Water pump House No.2 at WTP Mavoor	6
72	PH Circle Kozhikode	Wayanad	RWSS to Moopainad	Cleaning Well, leading Channel and infiltration Gallery @ Manalvayal river	3.8
73	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement-Desilting of Raw Water pump House No.1 at WTP Mavoor	6
74	PH Circle Kozhikode	Wayanad	ARWSS to Padinharathara & Thariyode	Cleaning of well @ Mullankandy river	1.45

75	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Desilting of Intake Channel attached to Raw Water pump House No.2 at WTP Mavoor	5
76	PH Circle Kozhikode	Wayanad	Lakkidi weir (Natural Source)	Cleaning of the natural weir @Mandamala	1.4
77	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Desilting of Intake Channel attached to Raw Water pump House No.1 at WTP Mavoor	5
78	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Cleaning of clear water sump of stage1 WTP	3
79	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Cleaning of clear water sump of stage 2 WTP	3
80	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Cleaning of OH Tank stage 1 WTP	3
81	PH Circle Kozhikode	Kozhikode	CWSS to Calicut	DRW-2021-Source Improvement- Cleaning of OH Tank stage 2 WTP	3
82	PH Circle Kozhikode	Kozhikode	RWSS Thiruvambady	Temporary Bund across the river	3.5
83	PH Circle Kozhikode	Kozhikode	RWSS Thiruvambady	Infiltration Gallery cleaning	3
84	PH Circle Kozhikode	Kozhikode	RWSS Thiruvambady	Silt removal from the well.	2
85	PH Circle Kozhikode	Kozhikode	RWSS to Kizhakothe	Temporary Bund across the river	3.5
86	PH Circle Kozhikode	Kozhikode	ARWSS to Kodenchery	Temporary Bund across the river	3.5
87	PH Circle Kozhikode	Kozhikode	WSS to Kandappanchal in Kodenchery	Temporary Bund across the river	1.5
88	PH Circle Kozhikode	Kozhikode	WSS to Koorootupara in Kodenchery	Temporary Bund across the river	1
89	PH Circle Kozhikode	Kozhikode	RWSS to Chathamangalam	Temporary Bund across the river	3
90	PH Circle Kozhikode	Kozhikode	RWSS to Thamarassery	Temporary Bund across the river	3
91	PH Circle Kozhikode	Kozhikode	ARWSS to Koduvally	Temporary Bund across the river	3
92	PH Circle Kozhikode	Wayanad	RWSS to Kumbalad	Cleaning of Well, leading Channel and infiltration Gallery @ Kumabalad river	1.3
93	PH Circle Malappuram	Malappuram	DAWSS Edappal& adj Panchayaths	DRW - 2021 Desilting well at Trikkampuram	2.1

94	PH Circle Malappuram	Malappuram	DAWSS Edappal& adj Panchayaths	DRW - 2021 Removal of sand bed accumulated Trikkanapuram down stream side of Keltron switch blocked water flow towards well at Trikkanapuram Source	0.5
95	PH Circle Malappuram	Malappuram	UWSS to Nilambur	UWSS to Nilambur Municipality - Temporary bund at Kalathinkadavu across Chaliyar river	14.99
96	PH Circle Malappuram	Malappuram	DAWSS Edappal& adj Panchayaths	DRW - 2021 Mace of DAWSS Edappal& adj. Panchayaths - Construction of Temporary Bund across Bharathapuzha and Diversion Channel at Trikkanapuram	10
97	PH Circle Malappuram	Malappuram	WSS to Padinjattumpadam	WSS to Padinjattumpadam - Partial Temporary bund at leading channel towards the well at Muttikadavu across Punnapuzha	2.75
98	PH Circle Malappuram	Malappuram	RWSS to Irimbiliyam and Valanchery	DRW - 2021 Mace of RWSS to Irimbililam and Valanchery - Construction of Temporary bund across Thoothapuzha at Kaithakadavu	4
99	PH Circle Malappuram	Malappuram	CARWSS to Moorkanad and adjoining villages	CARWSS to Moorkanad - Temporary bund at Nilaparamba across Thootha river	13.5
100	PH Circle Malappuram	Malappuram	ARWSS to Thuvloor	ARWSS to Thuvloor - Temporary bund at Mampuzha across Olipuzha	4.56
101	PH Circle Malappuram	Malappuram	RWSS to Kalikavu	RWSS to Kalikavu - Construction of Temporary bund due to land slide occurred in last flood on the kuthirapuzha band near Moorakkayam Pump house	3.62
102	PH Circle Malappuram	Malappuram	RWSS to Pandikkad	RWSS to Pandikkad - Temporary bund at Oruvambram across Kadalundi river	5.07
103	PH Circle Malappuram	Malappuram	RWSS to Padinjattumuri	WSS to Padinjattumuri - Temporary bund at Mothi across Kadalundi river down stream side of Mothi Pump House	8.3
104	PH Circle Malappuram	Malappuram	RWSS to Mundayilpadi	WSS to Mundayilpadi - Temporary bund at Mundayilpadi across Kadalundi river	5.7
105	PH Circle Malappuram	Malappuram	UWSS to Perinthalmanna	UWSS to Perinthalmanna - Putting up MS shutters and watching to storage weir at Kattuppara across Thootha river	0.72
106	PH Circle Malappuram	Malappuram	UWSS to Anakkayam	UWSS to Anakkayam - Putting up timber logs in weir at Anakkayam across Kadalundi river	2.86
107	PH Circle Malappuram	Malappuram	Malappuram WSS	MWSS - Putting up timber logs in the permanent weir at Nambrani for the scheme MWSS in Malappuram Municipality across Kadalundi river	3.7
108	PH Circle Malappuram	Malappuram	Malappuram WSS	MWSS in Malappuram Municipality - Putting up timber logs in weir at Chamakkayam across Kadalundi river	2.1
109	PH Circle Malappuram	Malappuram	RWSS to Makkaraparamba	RWSS to Makkaraparamba - Putting timber logs in the check dam across Cherupuzha	1.3
110	PH Circle Malappuram	Malappuram	Jalanidhi WSS to Ozhur, Thennala&Perumannaclari	WSS to Ozhur, Thennala&Perumannaclari - desilting well at Perumpuzha	6

111	PH Circle Malappuram	Malappuram	UWSS to Tirur	DRW - 2021 - UWSS to Tirur - Construction of temporary bund across the river Bharathapuzha at Pallippadi pump house area due to the shortage of water and to avoid interruption of water supply during this summer season	8
112	PH Circle Malappuram	Malappuram	UWSS to Tirur	UWSS to Tirur - Desilting of well at Pallippadi	7
113	PH Circle Malappuram	Malappuram	UWSS to Tirur	UWSS to Tirur - Construction of bund and leading channel at Pallipady in Bharathapuzha	5
114	PH Circle Malappuram	Malappuram	RWSS to Irimbilyam and Valanchery	Desilting well Kaithakkadavu	3
115	PH Circle Malappuram	Malappuram	ARWSS to Ezhuvathiruthy and adj. pts	DRW - 2021 - UWSS to Ponnani& ARWSS to Ezhuvathiruthy and adj. pts - Desilting of collection well at Nariparambu (Dia 9.00m)	1.85
116	PH Circle Malappuram	Malappuram	CARWSS to CARWSS to Thirunavaya and adjoining panchayath	DRW - 2021 CARWSS to CARWSS to Thirunnavaya and adjoining panchayaths - Construction of Diversion channel at Kadavu pump house Thriunnavaya	1.11
117	PH Circle Malappuram	Malappuram	UWSS to Perinthalmanna	Desilting well at Kattuppara in Thootha river	4
118	PH Circle Malappuram	Malappuram	RWSS to Ponnani	DRW - 2021 RWSS to Ponnani - Desilting of well (6.00m Dia) at Nariparambu	1
119	PH Circle Kannur	Kasaragod	ARWSS to Vorkady and adjoining villages	Closing the weir	2.6
120	PH Circle Kannur	Kasaragod	RWSS to Uppala	Construction of Temporary Bund	1.34
121	PH Circle Kannur	Kasaragod	ARWSS to Bedadka&Neerchal Villages	Closing the weir	0.7
122	PH Circle Kannur	Kasaragod	WSS to West Eleri	Providing shutters for concrete weir across Mangod river	0.52
				TOTAL	373.65915

Annexure 6
Details of KIIFB Projects

KIIFB Schemes for which AS received from Govt. during the year 2020-21			
Sl No.	Name of the work	AS No & Date	AS Amount (Rs. in lakh)
Project Division, Malappuram			
1	Comprehensive WSS to Ponnani & adjoining Panchayaths-Phase II	G.O (Rt) No. 5/2021/WRD dated 04/01/2021	12488
KIIFB Schemes for which AS received from Govt. in principle during the year 2020-21			
NIL			
KIIFB Schemes submitted to Govt. for AS during the year 2020-21			
NIL			

Sl No.	Name of the work	AS No & Date	AS Amount (Rs. in lakh)	Cumulative Expenditure up to 31/03/20 (Rs. in lakh)	Expenditure during the year 2020-21 (Rs. in lakh)	Status as on 31-03-2021
1	2	3	4	5	6	7
Project Division, Thiruvananthapuram						
1	Thiruvananthapuram Neyyar Alternative Source	Order No. WRD025-07/APR-6/2019/KIIFB of CEO, KIIFB dt 25.06.2019	20696.2	0.00	0.00	To be retendered
2	Karode Comprehensive Drinking Water Project	Order No. WRD025-09/APR-6/2019/KIIFB of CEO, KIIFB dt 07.09.2019	8918.9	119.04	703.35	Working Estimate under preparation. Land acquisition in progress.
3	Drinking Water Project in the coastal Panchayats of Chirayinkeezhu Constituency	Order No. WRD025-10/APR-2/2019/KIIFB of CEO, KIIFB dt 07.02.2019	1987	0.00	0.00	27% completed
4	Treated Drinking Water Project including Kottukal and Athiyannur Panchayats-Phase 1	Order No. WRD025-11/APR-6/2019/KIIFB of CEO, KIIFB dt 07.09.2019	2549	0.00	0.00	Working estimate under preparation and land to be obtained from panchayath
5	Drinking Water Project for Nagaroor, Karavaram and Pulimath Panchayats	Order No. WRD025-12/APR-2/2019/KIIFB of CEO, KIIFB dt 07.02.2019	8181	0.00	9.00	Detailed Estimate under preparation.and land acquisition in progress

6	Kizhakkannala Drinking Water Supply Project	Order No. WRD025-28/APR-6/2019/KIIFB of CEO, KIIFB dt 07.09.2019	4309	0.00	0.00	Tender cancelled and decided that Civil, Electrical and Mechanical works shall be tendered together & to implement Quality and Cost Based Selection (QCBS) method of selecting bidders mandatorily for all tenders with Tender Probable Amount of Contract (TPAC) above Rs. 5 crore in KWA
7	Project-1-TWSS-Replacing of existing damaged transmission main 215 mm HDPE pipe with 250 mm DI pipe from Bhagathsinghnagar to GLSR at Mannanthala	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	276.12	131.35	46.92	Work Completed
8	Project-2-TWSS-Replacing of existing damaged transmission main 315 mm HDPE pipe with 350 mm DI pipe from observatory to Ayurveda college Junction	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	562.42	0.00	160.13	1% work completed. Road cutting permission to be obtained from KRFB
9	Project-3-Project-TWSS-Rehabilitation of the existing PSC pipe transmission main with M. S. Pipe from Peroorkkada to Manvila including Interconnection & Allied works	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	6372.17	0.00	0.00	5% work completed.
H.W.Division, Aruvikkara						
1	Project-4-CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths -Replacing 350 mm AC transmission cum distribution main from Chamavila to Nellimukku with 350mm DI K9 pipe	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	342.79	0.00	0.00	Revised AS proposal uploaded in PFMS portal and RR estimate to be obtained from PWD.

2	Project-5-CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths -Replacing 300 mm and 350 mm AC transmission cum distribution main from Nellikunnu to Iyermukku of Pangode grama panchayath with DI K9 pipes	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	103.85	0.00	0.00	Revised AS proposal uploaded in PFMS portal and clarification for KIIFB comments to be issued.
3	Project-6-CWSS to Kallara, Pangode, Panavoor, Pullampara and Vembayam panchayaths-Replacing 200 mm AC transmission cum distribution main from Bharathannur to Kottayappankavu and at Iyermukku with DI K9 pipe	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	128.88	0.00	57.31	100% laying completed
Project Division, Kollam						
1	Augmentation of Water Supply Scheme to Kollam Corporation Phase -II	G.O(Rt)No.14/2017/WRD dated 11/01/2017	23500	10290.91	2107.91	5 Packages- P1-94%, P2-100%, P3-27%, P4 & P5-Estimate under scrutiny
2	Water Supply Scheme to KalluvathukkalParippally and Velinalloor villages - Phase I	G.O(Rt)No.14/2017/WRD dated 11/01/2017	2700	148.08	462.02	5 Packages- P1 - 38% P2-26% P3- site clearing completed , P4-100%, P5-Estimate to be recasted by irrigation department and revised TS to be issued
3	WSS to Pattazhi, PattazhyVadakkekara, Mylom and Thalavoor Panchayaths - Phase II	Order No. WRD025-01-PA-01 dated 11/06/2018 of CEO, KIIFB	6013	911.5	1768.96	5 Packages- P1-100%, P2-100%, P3-100%, P4-100%, P5-54%
4	Chathannur Drinking Water Project	Order No.WRD025-35/APR-6/2019/KIIFB dated 18-03-20 19 of CEO, KIIFB	6000	0.00	461.77	7 Packages- P1-46%, P2-100%, P3-100%,P4-100%, P5-100%, P6-47% &P7- 10%
PH Division, Kollam						
1	Project-14-RWSS to KottiyamPerayam-Replacement of old 150mm AC pipe with 160mm PVC in Mylakkadu road to Perayam and CP Kada to Arattambalam pumphouse - 750m	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	7.38	0.00	0.00	100% work completed

PH Division, Kottarakkara

1	Project-1-BAWSS to Kundara and adjoining panachayath-Replacement of old 500 mm AC transmission main with 500 mm DI pipe from Vilakkudy school junction to Kunnikkode sump	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	457.87	232.24	34.16	100% work completed
2	Project-2-BAWSS to Kundara and adjoining panachayath-Replacement of old 300 mm AC transmission main with 300 mm DI pipe line from Ezhukone GLSR to Kundara OHSR	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	562.85	250.84	29.56	100%work completed
3	Project-3-BAWSS to Kundara and adjoining panchayath-Replacement of old 160 mm PVC distribution main with 160mm PVC (10 kg/cm2) from Pallimukku to Hospital Junction in Kundara Panchayath	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	10.58	8.82	0.00	100%work completed
4	Project-4-BAWSS to Kundara and adjoining panachayath-Replacement of old 250 mm AC transmission main with 250 mm DI K9 pipe from Kundara OHSR to Perayam OHSR	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	178.78	93.33	0.00	100%work completed
5	Project-5-BAWSS to Kundara and adjoining panachayath-Replacement of old 300 mm AC transmission main with 300 mm DI K9 pipe from Ezhukone GLSR to Cheerankaavu junction	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	313.2	116.66	0.00	70% work completed
6	Project-7-Replacing 350mm dia AC, 300mm AC and 250mm dia AC transmission main of Chithara and adjoining WSS with 300 mm ,250 mm and 200 mm dia DI K9 pipe (Phase-II)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	836.37	474.75	0.00	100%work completed
7	Project-8-WSS to Chithara and adjoining panchayaths-Replacement of 400 mm AC transmission main pipes with 350 mm DI K9 pipes (Phase I)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	761.38	0.00	0.00	Revised estimate under preparation

8	Project-9-UWSS to Punalur Municipality-Replacing old & damaged 150mm/80mm AC pipe in Nellippally - Kallar - Thumpondu Roads in Punalur Municipality	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	50.62	0.00	0.00	Revised AS proposal under process in KIIFB
9	Project-10-RWSS to Pathanapuram Panchayath-Replacement of very old and damaged AC & PVC pipes at various places in Pathanapuram Panchayath	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	102.14	0.00	12.02	30% work completed
10	Project-15-BAWSS to Kundara and adjoining panachayath-Replacement of old 350 mm AC pipe with 350 mm DI pipe from Kottarakkara market junction to Ezhukone booster (5000 m)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	427.73	0.00	188.83	100% work completed
Project Division, Adoor						
1	Augmentation of 24mld WTP at Kalliserry & Renovation of 33mld WTP at Thiruvalla for Thiruvalla & Changanaserry Municipalities & adjoining Panchayaths	G.O(Rt)No.14/2017/WRD dated 11/01/2017	5800	1989.27	654.72	5 Packages- P1 & P2-98%, P3a - Land to be obtained & P4- Design of transformer buiklding obtained, P3b-Land acquisition for OHSR in progress
2	W.S.S. to Perunadu & Athikkayam Villages in Pathanamthitta District (Phase -2)	G.O(Rt)No.14/2017/WRD dated 11/01/2017	4140	1509.64	668.48	3 Packages- P1-100% P2-83%, P3-To be retendered
PH Division, Pathanamthitta						
1	Project-1-RWSS to Vechoochira-Replacing damaged 200mm AC transmission main from Koothattukulam to Kumbithodu with 250mm DI K9 pipe	Order No.APR-4/401/2018 dated 09/04/2018 of CEO, KIIFB	92.98	0.00	0.00	91% work completed
2	Project-2-WSS to Adoor and adj. Panchayaths-Relaying of damaged transmission pipes and distribution pipes from Chiranickal treatment plant to Parakkode	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	390.11	0.00	0.00	Revised AS proposal uploaded in PFMS portal

3	Project-3-WSS to Adoor and adj. Panchayaths- Relaying of damaged transmission pipes from Kottamukal junction to Paruthippara tank	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	83.71	0.00	0.00	Revised AS proposal uploaded in PFMS portal
4	Project-4-WSS to Konni-Aruvapullam- Replacing of damaged 250mm AC gravity main pipe with 250mm DI K9 pipe from intake pump house, Konni- Aruvapulam	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	285.46	0.00	0.00	Work order issued. Agreement not executed
5	Project-5-CWSS to VallicoduKodumon- Replacement of damaged AC pipe from Vallokode TP to VazhamuttomKurishu transmission main and Zeonkundu tank to Kodumon transmission main	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	610.23	0.00	0.00	50% work completed
6	Project-6-RWSS to ChenneerkaraMezhuveli- Replacing damaged AC pipe at Pannikkuzhi, Elavumthitta, Muttathukonam, Manjanikkara and Ramanchira area	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	197.97	0.00	73.97	91% work completed
7	Project-7-WSS to Adoor and adj. Panchayaths-Relaying of damaged distribution pipes in Pallickal Panchayat	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	1035.67	0.00	0.00	Tendered
8	Project-11-RWSS to Konni Aruvappulam - Replacing old and damaged 100mm GI pipe with 200mm DIK9 Pipe for gravity main to Ottupara	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	156.29	0.00	0.00	100% work completed
9	Project-12-RWSS to Vechoochira-Relaying damaged pipelines- Chethakal-Koothattukulam& Treatment plant to Vechoochira Town	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	478.1	0.00	0.00	10% work completed
10	Project-13-UWSS to Pathanamthitta - Replacing damaged ac pipe at Pathanamthitta Town area	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	1122.69	0.00	0.00	Work order issued. Agreement not executed due to MCC

11	Project-14-RWSS to Angadi - Replacement of damaged pipelines at various places of RWSS to Angadi (5 nos of replacements)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	577.3	0.00	0.00	90% work completed
PH Division, Thiruvalla						
1	Project-8-UWSS to Thiruvalla- Replacing 150mm/ 200mm AC old distribution pipe line in Thiruvalla-Kozhencherry road with 160mm PVC pipe from PuzhpagiriJoycees junction to Kattodu	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	58.96	0.00	0.00	Revised AS proposal uploaded in PFMS portal
2	Project-9-RWSS to Kaviyoor and Kunnamthanam- Replacing 250 mm AC gravity main with 250mm DI K9-Vyttadu junction to Elavanal sump (2nd Reach)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	193.85	0.00	64.18	100% work completed
3	Project-15-RWSS to Thrikodithanam - Replacing old exising 150mm AC conveyance main line with 200mm DI K9 pipe from Mittayi company Fathimapuram to Thrikodithanam boosting pump house	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	189	0.00	0.00	Agreement executed and Pipe supplied.
Project Division, Kottayam						
1	Augmentation of UWSS to Kottayam Municipality	G.O(Rt)No.14/2017/WRD dated 11/01/2017	5000	806.48	420.83	2 Packages, P1-80%, P2-14% completed
2	Drinking Water Project in Ettumanoor	Order No.WRD025-26/APR-6/2019/KIIFB dated 21/06/2019 of CEO,KIIFB	9322.5	0.00	19.42	4 Packages-P1, P2,- Land acquisition in progress, P3-Estimate under scrutiny P4-52%
3	Karimbukayam Drinking Water Project	Order No.WRD025-27-PA-01dated19/11/2018 of CEO,KIIFB	6864	0.00	0.00	3 Packages- P1-Land acquisition in progress& Estimate under scrutiny, P2-Estimate under scrutiny, P3-Tender under processing.
P.H. Division, Kottayam						

1	Project-1-CWSS to Ettumanoor and adjoining villages- Replacing damaged 250mm PVC conveyance main from OHSR at Medical College to OHSR at Kuriattukunnu using 250mm DI K9 pipes	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	238.93	0.00	0.00	9% completed
2	Project-6-KSP- WSS to Panachikkadu Panchayath- Replacing old and damaged 300mm AC pipe line from Paruthumpara to Rajamma kavala using 300mm DI K9 pipe	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	67.09	0.00	0.00	Agreement executed. Pipes not received
3	Project-8-UWSS to Kottayam- Replacing old and damaged 160mm PVC conveyance main from OHSR at KWA Kottayam office compound to OHSR at Thalikkotta using 150mm DI K9 pipes	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	170.91	0.00	0.00	Tender under evaluation
4	Project-9-ARWSS to Parathodu- Replacing existing 250mm AC line with 250mm DI from booster pumphouse Kooramthooku to Koovappally	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	139.02	0.00	0.00	90% completed
P.H Division, Kaduthuruthy						
1	Project-10-ARWSS to Kaduthuruthy Panchayath-Replacement of old and damaged 90mm PVC Pipe with 110 mm & 90 mm PVC pipe in Mannar Temple and connected roads (4500M) in Kaduthuruthy Panchayath	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	55.35	0.00	0.00	100% work completed
2	Project-11-WSS to Velloor Panchayath-Replacement of old damaged pipe in Pareppadi-Kodothu bridge (90 mm PVC 1500 m) Vadakara-Thekkumvanam colony road (90 mm PVC 600 m) - Bhajanamadam settlement colony road (90 mm PVC 1100 m)	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	44.65	0.00	0.00	100% work completed

3	Project-12-ARWSS to Kidangoor Panchayat-Replacement of old and damaged 200 mm AC pipe with 200 mm DI pipe in Moonuthode road in Kidangoor panchayath	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	70.2	0.00	0.00	100% work completed
4	Project-13-ARWSS to Kallara Panchayat-Replacement of old and damaged 200 mm AC pipe with 200 mm DI pipe in Puthenpally junction to Ethakuzhy junction in Kallara panchayath	Order No.WRD005-124-PA-01 dated 23/03/2019 of CEO,KIIFB	70.78	0.00	0.00	100% work completed
Project Division, Alappuzha						
1	WSS to Ala, Puliyoor, Budhanoor, Pandanad, Mulakkuzha, Venmony Panchayaths and Chengannur Municipality in Alappuzha District	Order No.WRD025-24-PA-01 dated 07/09/2019 of CEO, KIIFB	19913.47	0.00	0.00	4 Packages - P1-8%completed P2 - Tendered,P3 & P4- Working estimate under preparation
2	Kuttanad Drinking Water Project – IIInd Phase	Order No.WRD025-29/APR-6/2019/KIIFB dated 25/06/2019 of CEO, KIIFB	28954.49	0.00	0.81	Land acquisition in progress
3	Augmentation and Modernization of Water Supply Distribution system in Alappuzha Municipality- Balance works	Order No.WRD004-01/APR-6/2019/KIIFB dated 25/06/2019 of CEO, KIIFB	21170.9	0.00	0.00	4 Packages-P1-work started, P2- Tender due date extended upto 20/03/2021, P3 & P4-Estimate under preparation
Project Division Perumbavoor						
1	Water supply Distribution strengthening of Kadamakkudi Panchayath	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1200	349.55	0.00	100% work completed

2	Karumallur Panchayat Fresh Water Distribution project	Order No.WRD025-16/APR-6/2019/KIIFB dated 21/06/2019 of CEO, KIIFB	3748.51	0.00	10.14	Land acquisition in progress
3	Augumentation of Water Supply Schemes To Angamaly Constituency	Order No.WRD025-22-PA-01 dated 12/11/2018 of CEO, KIIFB	11593	0.00	0.00	Part-I-3 packages - Land transfer in progress Part II-2 packages P1- Started and 2% completed,P2- LA in progress
W.S.Division, Kochi						
1	Water supply Distribution strengthening of Varappuzha Panchayath	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1650	672.78	0.00	62% work completed
Project Division, Kattappana						
1	Augmentation of Urban Water Supply Scheme to Thodupuzha Municipality in Idukki District	G.O(Rt)No.14/2017/WRD dated 11/01/2017	3400	2187.54	536.04	2 Packages- Work completed for P1& P2
2	Ayyappankovil Drinking Water Project	Order No.WRD025-06-PA-01 dated 13/11/2018 of CEO, KIIFB	4642.4	0.00	0.00	5 Packages, P-1,2,3 are tendered P - 4 & 5 working estimate under preperation
3	WSS to MuvattupuzhaPaingottoor	Order No.WRD025-31/APR-2/2019/KIIFB dated 07/02/2019 of CEO, KIIFB	2881.55	0.00	0.00	Land acquisition in progress
4	Project-3-UWSS to Piravom- Replacement of 350 mm AC gravity main from Kakkad TP to Piravom Hospital Jn.- Laying 350 mm DI K9 pipe 3350m	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	275.91	0	0	Revised AS proposal to be submitted to KIIFB
5	Project-5-UWSS to Kothamangalam- Replacement of damaged 300 AC pipe with 300 mm DI from Ambalaparambu to Valiyapara Kothamangalam Municipality 1000 m Reach II (distribution main)	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	72.99	0	48.1	Work completed
6	Project-6-ARWSS to Pothanicad and Pallarimangalam-Replacing damaged 250 mm AC Distribution line to 250 mm and 200mm DI in Pothanicad	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	180.43	0	0	Revised AS proposal to be submitted to KIIFB

	Panchayath					
7	Project-8-UWSS to Piravom and adjoining panchayaths- Replacement of damaged 250 mm AC gravity main from Kakkadu WTP to Pazhoor sump by laying 250 mm DI pipe line 2650 m	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	182.07	0	0	84%completed
8	Project-9-UWSS to Kothamangalam-replacing 300 mm AC distribution line with 300 mm DI pipe-2000 m Jawahar Jn. To Mathirapilly	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	175.52	0	0	Revised AS proposal to be submitted to KIIFB
9	Project-10-ARWSS to RajakkadRajakumari - Replacing 250mm AC gravity main with 250mm DIK9 pipes from Kuruvilacity to Rajakumari tank	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	104.02	0	0	Revised AS proposal to be submitted to KIIFB
10	Project-11-ARWSS to RajakkadRajakumari - Replacing 250mm AC gravity main with 250mm DI K9 pipes from Rajakumari tank to Parappanangadi tank	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	257.96	0	0	Revised AS proposal to be submitted to KIIFB
11	Project-12-ARWSS to RajakkadRajakumari - Replacing balance length of 250mm AC gravity main with 250mm DI K9 pipes from Kuruvilacity to Kulapparackal	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	85.09	0	0	Revised AS proposal to be submitted to KIIFB
12	Project-13-ARWSS to RajakkadRajakumari - Replacing 110mm PVC gravity main with 100mm DI K9 pipes from Kuruvilacity to Kadukkacity	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	39.7	0	0	Revised AS proposal to be submitted to KIIFB
PH Division, Muvattupuzha						
1	Project-1-ARWSS to Arakkuzha-replacing damaged 125 mm AC Gravity Main from OH tank to Main road with 150 mm GI/160 mm PVC 200 m	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	4.29	0.00	0.00	Re tendered

2	Project-2-UWSS to Muvattupuzha-replacing damaged 200 mm AC and 150 mm AC Distribution pipe from Latha Bus stand Jn to Kizhakkekkara with 200 mm DI and 160 mm PVC Pipe	Order No.WRD005-126-PA-01 dated 19/01/2019 of CEO, KIIFB	137.33	0.00	0.00	to be retendered
Project Division, Nattika						
1	WSS to Thrissur Corporation and adjoining panchayaths Phase -1	G.O(Rt)No.14/2017/WRD dated 11/01/2017	18500	79.88	0.00	Revised DER submitted to GoK for revised AS. Land acquisition is in progress.
2	ChazhurAnthikkaduThanniyam Drinking Water project	Order No.WRD025-02-PA-01 dated 13/11/2018 of CEO, KIIFB	3475.7	0.00	380.43	2 Packages P1-Agreement executed, structural design submitted for appl. P2-24% completed.
3	Drinking Water Projects for Kodassery-Pariyaram-Athirappally Panchayat	Order No.WRD025-03-PA-01 dated 13/11/2018 of CEO, KIIFB	5860.98	0.00	746.09	2 Packages- Work in Progress. P1-11% & P2-51% Completed
4	Augmentation of CWSS to NattikaFirka Phase I	Order No.WRD025-04/APR-6/2018/KIIFB dated 19/11/2018 of CEO, KIIFB	6995.96	0.00	0.00	2 Packages-work order issued for P1 & P2 P1-Auction for tree cutting scheduled on 27.04.2021,P2-900mm DI Specials supplied.
PH Division, Irinjalakkuda						
1	Project-1-AUWSS to Chalakudy - Replacing 400 mm AC gravity main with 400 mm DI K9 pipes from Vazhakunnu Church to Urumbankunnucentre in Chalakudy Municipality	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	125.1	0	0	Proposal submitted to KIIFB for revised AS
2	Project-2-CWSS to Nattikafirka- Replacing 500 mm premo pipe by laying 500 mm DI K9 pipe 3000 m from Kaipamangalam to Perinjanam Reach I	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	591.63	0	0	Proposal submitted to KIIFB for revised AS

3	Project-3-AUWSS to Chalakkudy- Replacing damaged 450 mm AC pipe lines with 450 mm DI K9 pipes from illikkadu valve chamber (Assarippara) to Vazhakkunnu church in Chalakkudy Municipality (1000 m)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	124.79	0	0	Proposal submitted to KIIFB for revised AS
4	Project-4-CWSS to Nattikafirka- Replacing 400 mm premo pipes by laying 400 mm DI K9 pipe 5000m from Perinjanam to Mathilakam sump -Reach II	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	640.67	0	0	Proposal submitted to KIIFB for revised AS
5	Project-5-AUWSS to Chalakkudy - Replacing 350 mm AC Pipes with 350 mm DI K9 pipes from Asharippara to pottapappali junction in Chalakkudy Municipality (700 m)	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	66.31	0	0	Proposal submitted to KIIFB for revised AS
6	Project-6-CWSS to Nattikafirka- Replacing damaged 500 mm premo pipes from Valappad - Sethukulam - VandanapallyGaneshamangalam sump - 13000 m	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	1964.57	0	0	work order issued
Project Division, Palakkad						
1	Augmentation of Urban Water Supply to Shornur Municipality and Vaniyamkulam Panchayath	G.O(Rt)No.14/2017/WRD dated 11/01/2017	3500	2415.66	0.00	Fully completed and commissioned on 27.5.2019.
2	Augmentation of Nenmara, Ayilur&Melarcode Water Scheme in Chittur&Alathur Taluks in Palakkad District (Phase II)	G.O(Rt)No.14/2017/WRD dated 11/01/2017	2450	1049.30	0.00	3 Packages-P1-60%, P2-50%,P2-Balance-58%
3	WSS to Ambalappara Panchayath in Ottapalam Taluk, Palakkad District - Phase I	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1000	833.15	0.00	100% work completed
4	Comprehensive WSS to Thachanattukara, Alanallur and Kottopadam panchayaths in Mannarkkad taluk in Palakkad District	G.O(Rt)No.14/2017/WRD dated 11/01/2017	2200	1796.34	0.00	100% work completed

5	Comprehensive Drinking Water Project, Karimba and Kongad panchayaths	Order No.WRD025-18-PA-01 dated 12/11/2018 of CEO, KIIFB	2830.28	0.00	234.94	2 Packages- P1-32% completed, P2-7% completed.
6	Water Supply Scheme to Ambalappara Panchayath in Ottappalam Taluk in Palakkad District (Phase – II)	Order No.WRD025-34-PA-01 dated 12/11/2018 of CEO, KIIFB	1114	0.00	544.74	84% completed
7	Project-6-UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone I OHSR area	Order No.WRD005-128-PA-01 dated 23/03/2019 of CEO, KIIFB	688.01	0	301.09	Agreement executed
8	Project-7-UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone II GLSR area	Order No.WRD005-128-PA-01 dated 23/03/2019 of CEO, KIIFB	576.46	0	145.4	68%completed
9	Project-8-UWSS to Shornur Municipality - Replacement of 300 to 80mm AC distribution lines for zone III Kulappully area	Order No.WRD005-128-PA-01 dated 23/03/2019 of CEO, KIIFB	702.86	0	276.36	79% completed
Project Division, Chittoor						
1	Augmentation of Nenmara, Ayilur&Melarcode Water Scheme in Chittur&Alathur Taluks in Palakkad District (Phase II)	G.O(Rt)No.14/2017/WRD dated 11/01/2017	202	0.00	0.00	P1-Part-1-76% completed
2	Elavanchery – Pallassana Comprehensive Drinking Water Project	Order No.ARD025-17/APR-6/2018/KIIFB dated 19/11/2018 of CEO, KIIFB	1758.32	0.00	165.68	25% work completed.
3	Vandazhi, Kizhakkanchery – Vadakanchery –Kannambra Comprehensive Fresh Water Distribution Project (IInd Phase)	Order No.WRD025-20-PA-01 dated 19/11/2018 of CEO, KIIFB	6953.86	0.00	0.00	4 Packages- P1-21% completed, P2-Part(1)-13% completed,Part (2)-Deviation proposal submitted for revised AS , P3-Tendered
4	To resolve the scarcity of Drinking Water in various Gramapanchayats in Malampuzha	Order No.WRD025-21-PA-01 dated 13/11/2018 of CEO, KIIFB	6414.37	0.00	493.06	6 Packages-P1-17%work completed, P2-Structural design obtained, P3-20% work completed, P3 part-Completed, P4-13% completed,P5-55% completed

5	WSS to Kozhinjampara, Vadakarapathy, Eruthanpathy	Order No.WRD025-32-PA-01 dated 27/11/2018 of CEO, KIIFB	2377.02	0.00	783.48	2 Packages, P1-78% & P2-45% work completed
6	WSS to Perumatty, Pattanamcherry, Elappully, NallepathyPhaseII	Order No.WRD025-33-PA-01 dated 12/11/2018 of CEO, KIIFB	2599.72	0.00	1724.49	3 Packages, P1-87% completed, P2-81% completed, P3-Land to be obtained from Animal husbandary Department
7	Project-2-CARWSS to Kozhinjampara and adjoining villages- Replacement of 200mm AC Clear Water Gravity Main from Master OHSR at Moonkilmada to Sathram Sump with 200mm DI K9 pipe for 16000m	Order No.WRD005-128-PA-01 dated 23/03/2019 of CEO, KIIFB	587.29	0	173.48	91% completed
PH Division, Palakkad						
1	Project-1-Comprehensive and RWSS to Kollengode and adjoining panachayaths- Replacement of 300 mm AC clear water Gravity main from MeenkaraKalikkavu OHSR to Kollengode OHSR with 300 mm DI K9 pipe	Order No.WRD005-128-PA-01 dated 23/03/2019 of CEO, KIIFB	709.4	0.00	0.00	Agreement executed. Pipe to be supplied.
Project Division, Malappuram						
1	Comprehensive WSS to Ponnani& adjoining Panchayaths	G.O(Rt)No.14/2017/WRD dated 11/01/2017	7440	3541.56	1933.75	Project completed and commissioned
2	CWSS to Thiruvalli& Adjoining Villages - Phase I & II - Thiruvalli and Wandoor Part -1	G.O(Rt)No.14/2017/WRD dated 11/01/2017	2220	1374.56	192.91	100% completed
3	Improvements to Ramanattukara Water Supply Scheme by interlinking with WSS to Cheekode and adjoining villages	G.O(Rt)No.14/2017/WRD dated 11/01/2017	2600	1916.71	71.63	100% completed

4	Water Supply Scheme to Tanur Municipality and adjoining 4 Panchayaths - phase 1	G.O(Rt)No.14/2017/WRD dated 11/01/2017	10000	6202.1	769.98	4 Packages-P1-98% , P2-98%, P3-98%, P4-work started
5	Edayur – Irambilyam – Valancheri Drinking Water project	Order No.WRD025-05/APR-6/2018/KIIFB dated 19/11/2018 of CEO, KIIFB	7216.7	0.00	1699.70	3 Packages- P1-30%, P2 -working estimate under srutiny,P3-Tendered
6	Ramanchady-Aligar Drinking Water Project	Order No.WRD025-13-PA-01 dated 13/11/2018 of CEO, KIIFB	9252.32	0.00	1469.06	4 Packages- P1-24%, P2-33%, P3& P4-Due to public protest, unable to construct the weir on the previous location. Hence after several communications and meetings, new location got identified in the joint meeting with irrigation higher officials.Working estimate under preperation.
7	Edavanna Panchayat Comprehensive Drinking Water Project (IInd Phase)	Order No.WRD025-14-PA-01 dated 14/06/2018 of CEO, KIIFB	4721.2	0.00	11.23	2 Packages- P1-11%, P2-13%
8	Manjeri Suburban Drinking Water Project	Order No.WRD025-25-PA-01 dated 13/11/2018 of CEO, KIIFB	7258.17	0.00	1385.17	2 Packages- P1-56%, P2-Pipe for distribution net worksupplied.Work started soon.
9	Improvements to WSS to Kondotty Municipality	Order No.WRD004-02/APR-6/2019/KIIFB dated 25/06/2019 of CEO, KIIFB	10869.8	0.00	1657.78	6 Packages- P1-13%, P2-5%, P-2A-Design under process,P-3A-51% , P-3B-Tendered P-3C-TS estimate under preparation
10	Project 4 - UWSS to Manjeri- Replacing old aged AC pipes with DI pipes of Manjeri Municipality	Order No.APR-4/401/2018/KIIFB dated 09/04/2018 of CEO, KIIFB	1689.99	0.00	480.84	41% completed
Project Division, Kozhikode						
1	WSS to Koyilandy Municipality	G.O(Rt)No.14/2017/WRD dated 11/01/2017	8500	5998.73	479.65	4 Packages-P1-100%, P2-98%, P3-95%, P4-10%

2	Distribution Line Extension from ongoing WSS to Mananthavady, Edavaka and Nalloornadu villages in Wayanad District	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1800	1234.93	0.00	100% work completed. Fully commissioned on 03/2019
3	FerokeKaruvanthiruthi Drinking Water Project	Order No.WRD025-19-PA-01 dated 12/11/2018 of CEO, KIIFB	1864.6	505.19	302.28	98% Completed
PH Division, SulthanBathery						
1	Project-8-AWRSS to Padinharathara and Thariode villages - Replacing damaged distribution at Padinharathara town area and various places in Thariode Panchayath	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	70.83	0	0	work completed
2	Project-10-CWSS to Pulpally&Mullankolly Panchayaths- Replacement of old and damaged 150mm AC gravity main from GLSR at Padichira to OHSR at pulpally	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	98.93	0	0	work completed
3	Project-11-RWSS to Moopaiand - Replacing damaged distribution line from Naranagakunnu road junction to Meenmutty road junction and Kallikeni SC colony in Moopainad Panchayath	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	9.89	0	0	work completed
PH Division, Vadakara						
1	Project-2-Augmentation to BWSS- Replacement of 300mm AC pipe Distribution System	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	419.6	0	0	95% completed
2	Project-3-Augmentation to BWSS- Replacement of 250mm AC pipe Distribution System	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	179.46	0	0	95 % completed

3	Project-4-RWSS to Velom- Supplying and 250mm DI K9 pipes for Distribution main in place of damaged 250mm AC pipe for 3200m and supplying and laying 90mm PVC pipe line for rider main	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	179.51	0	0	Vetted estimate for road reformation not obtained from PWD
4	Project-5-WSS to Onchiyam, Chorode etc. Villages- Replacing damaged AC distribution main from Edakkandikkunnu to Vellikulangara, Vellikulangara-Chorode, Edakkandikkunnu-Madappally with 350mm & 300mm DI K9 pipe-Part I	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	608.2	0	0	100% completed
5	Project-6-RWSS to Thuneri Village- Replacing existing 200mm AC gravity main with 250mm DI K9 pipe from Nadapuram junction to Kakkamvellikkunnu GLSR	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	259.11	0	0	1% completed
6	Project-7-RWSS to Edachery- Replacing 200mm and 150mm AC distribution mains	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	238	0	0	1% completed
7	Project-12-Renovation of WSS to Perambra, Koothali, Chakkittapara and Changaroth Panchayaths-Laying DI K9Transmission main from Peruvannamuzhi Treatment Plant to Perambra GLSR	Order No.WRD005-130-PA-01 dated 23/03/2019 of CEO, KIIFB	1822.7	0	0	Tendering stage
Project Division, Kannur						
1	WSS to Kottayam Census Towns - Strengthening of Distribution system in Thalassery Taluk of Kannur District	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1200	817.50	0.00	100 % Work completed. Fully commissioned
2	WSS to Kunjimangalam, Cheruthazham, Ezhimala Naval Academy- Phase I	Order No.WRD025-30-PA-01 dated 12/11/2018 of CEO, KIIFB	5689.5	967.59	1515.05	82% work completed
3	WSS to Kasargode Municipality and Chemmanad Panchayath - Phase - I	G.O(Rt)No.14/2017/WRD dated 11/01/2017	7600	3736.39	628.91	4 Packages-P2-99%, P3-99%, P4-99%, P5-Land acquisition in progress

4	Water Supply Scheme to Peravoor, Muzhakkunnu, Payam and Ayyankunnu in Kannur District – phase I	Order No.WRD025-23/APR-2/2019/KIIFB dated 07/02/2019 of CEO, KIIFB	7601	0.00	0.00	Land acquisition in progress
Project Division, Mattannur						
1	WSS to Mattannur and Iritty Municipalities	G.O(Rt)No.14/2017/WRD dated 11/01/2017	7660	3549.87	547.62	4 Packages- P1-95%, P2-95%, P3-100%, P4-work started
2	Thalassery-Koothuparamba Comprehensive Drinking Water Project.	Order No.WRD025-15-PA-01 dated 16/11/2018 of CEO, KIIFB	8586	6.87	0.00	Land acquisition in progress
P.H.Division, Kannur						
1	Augmentation of WSS to Dharmadam panchayath in Dharmadam Constituency	G.O(Rt)No.14/2017/WRD dated 11/01/2017	1650	1316.88	0	100 % Work completed. Fully commissioned
2	Project-4-Kolecherry WSS-replacing old 250mm AC Distribution main of Zone II with 350mm DI pipes from PanayathamParamba Break pressure tank to Kudukkimotta for enhancement of coverage in Koodali&Munderi Panchayaths	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	561.43	0	0	10% completed
3	Project-6-Kolacherry WSS-Replacing 250 mm Dia AC distribution main with 250mm dia DI pipe from step road to Kannadiparamba for enhancement of coverage in Narath panchayath	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	92.73	0	0	2% completed
4	Project-7-Kolecherry WSS-Zone I-Replacing old 400/350 mm premo/AC pipe from KotheryGLtank to Vayanthode Jn. with 400 mm DI pipe	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	228.97	0	0	Revised AS required
5	Project-8-WSS to Anjarakandy, Peralassery and adjoining panchayats-Replacing old 300,250 & 200 mm AC distribution main with 300,250 & 200 mm DI K9 pipe from Moonnuperiya Jn. to Vellachal Town Jn.	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	210.97	0.00	0.00	99% completed

6	Project-9-CARWSS to KeezhurChavasserry- Replacing AC Transmission main from OH tank at Palapparamba to Keezhurkunnu with 250 mm DI pipe for enhancement of coverage in Keezhur Village	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	73.9	0	0	100% completed
7	Project-10-WSS to Anjarakandy, Peralassery and adjoining panchayats- Replacing old 300mm, 250mm and 200mm AC distribution main pipes with 300 mm, 250 mm and 200 mm DI K9 pipes in Anjarakandy Panchayat	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	291.91	0.00	0.00	Tendered
8	Project-11-Replacing 350 mm dia AC pipe of distribution main of zone II- Kolecheery WSS with DI pipes from Vaduvankulam to Panayathamparamba Break pressure tank for enhancement of coverage in Kuttiattoor, Koodali, Munderi and Keezhallur panchayaths	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	741.38	0	0	Tendering stage
9	Project-12-WSS to PallikunnuPuzhathai, Chirakkal and Valapattanam area-Replacement of Gravity / Pumping main by laying gravity main to OHSR at Pallikunnu and to Panankavau	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	651.9	0	190.54	35% completed
PH Division, Thalipparamba						
1	Project-1-WSS to Ramanthali panchayath in Thaliparamba Taluk- Replacing AC Gravity main, Transmission main and distribution in Zone II and distribution in Zone I	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	626.61	0.00	219.54	completed
PH Division, Kasargod						
1	Project-13-Kasargode WSS- Replacing of old and damaged premo and PVC pipe from Vidyanagar KWA compound to old bus stand Kasaragod (balance work)	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	247.14	0.00	0.00	50% completed

2	Project-14-ARWSS to Badiadka and Neerchal villages-Replacement of old and damaged AC and PVC pipes with DI & PVC pipes	Order No.WRD005-131-PA-01 dated 18/01/2019 of CEO, KIIFB	195.03	0.00	84.79	Work completed
TOTAL			432711.39	57635.99	28148.30	

Annexure 7

JJM -Status of works as on March 2021

Sl No	District	Panchayat	Name of the Scheme	AS obtained (FHTC Nos)	AS amount (in lakh)	FHTC Given as on 31.03.2021
1	Thiruvananthapuram	Amboori	CWSS to Parassala, MarukilMaranallur and Adj.villages	2547	958.08	624
2	Thiruvananthapuram	Anad	RWSS to Anad phase	600	128.00	625
3	Thiruvananthapuram	Anchuthengu	CWSS to VakkomAnjengo	500	73.87	488
4	Thiruvananthapuram	Andoorkkonam	ARWSS to Edakkodu and adjoiningvillages	2500	297.62	89
5	Thiruvananthapuram	Aruvikkara	RWSS to Aruvikkara	1500	255.00	1406
6	Thiruvananthapuram	Aryanad	RWSS to Aryanad, Enchapuri&Puruthipara& WSS to Theviyarkunnu	2800	584.00	444
7	Thiruvananthapuram	Aryanad	borewell based MWSS	390	61.95	6
8	Thiruvananthapuram	Athiyannoor	NWSS	200	20.00	246
9	Thiruvananthapuram	Azhoor	UWSS to AttingalAzhoorKizhuvilam	1635	240.09	210
10	Thiruvananthapuram	Balaramapuram	Jal Jeevan Mission : Providing FHTCs to Balaramapuram Panchayat	7653	1,684.68	320
11	Thiruvananthapuram	Chemmaruthy	CWSS toVarkala and adjoining villages - pipe line replacement	2780	371.96	915
12	Thiruvananthapuram	Chenkal	RWSS to Valiyakulam, Chirakulam, Viralil, Uchakada	1000	155.77	284
13	Thiruvananthapuram	Cherunniyoor	CWSS to Varkala and adjoining villages	583	91.20	629
14	Thiruvananthapuram	Chirayinkeezhu	CWSS to vakkomAnjengo	1400	182.43	156
15	Thiruvananthapuram	Edava	CWSS to varkala and adjoining villages, RWSS to Thottumukham, WSS to Edava, Kotteppani mini water supply scheme	2613	412.19	76
16	Thiruvananthapuram	Elakamon	CWSS to varkala and adjoining villages, RWSS to Aluvilapuram, RWSS to kayalpuram, RGNDWM to Aluvilappuram - New well-cum-pumphouse infiltration gallery and pumping main at Pallithodi	4036	596.65	370
17	Thiruvananthapuram	Kadakkavoor	CWSS to vakkomAnjengo pipe line extension	1000	143.30	171
18	Thiruvananthapuram	Kadinamkulam	ARWSS to Edakkodu and adjoiningvillages	1800	202.23	39
19	Thiruvananthapuram	Kallara	CWSS to Kallara ,PangodePanavoorPullamparaVembayam	2000	257.00	1630
20	Thiruvananthapuram	Kallikkadu	CWSS to Parassala, MarukilMaranallur and Adj.villages	3278	1,353.35	570
21	Thiruvananthapuram	Kalliyoor	CWSS to Kalliyoor, Venganoor, VizhinjamKovalam tourist area	2728	425.00	4397
22	Thiruvananthapuram	Kanjiramkulam	CWSS to Kanjiramkulam, Karinkulam, Thirupuram	388	67.70	396
23	Thiruvananthapuram	Karakulam	RWSS to Karakulam	1735	500.00	1074

24	Thiruvananthapuram	Karavaram	ARWSS to Karavaram-	3548	400.00	290
25	Thiruvananthapuram	Karode	RWSS to Valiyakulam, Chirakulam, Viralil, Uchakada	500	77.89	0
26	Thiruvananthapuram	Karumkulam	CWSS to Kanjiramkulam, Karinkulam, Thirupuram	200	30.00	197
27	Thiruvananthapuram	Kattakada	CWSS to Parassala, MarukilMaranallur and Adj.villages	5167	2,274.66	576
28	Thiruvananthapuram	Kilimanoor	ARWSS to Kilimanoor,Paxhayakunnumel and Madavoor villages	4417	524.07	480
29	Thiruvananthapuram	Kizhuvilam	CWSS to vakkomAnjengo, uwss to AttingalAzhoorKizhuvilam	1100	209.28	328
30	Thiruvananthapuram	Kollayil	CWSS to Parassala, MarukilMaranallur and Adj. villages	500	90.79	133
31	Thiruvananthapuram	Kottukal	RWSS to Kottukal, WSS to Kottukal&Athiyanoor	600	252.70	224
32	Thiruvananthapuram	Kulathoor	RWSS to Valiyakulam, Chirakulam, Viralil, Uchakada	1000	155.77	109
33	Thiruvananthapuram	Kunnathukal	RWSS to Kunnathukal	8171	1,452.18	488
34	Thiruvananthapuram	Kuttichal	1) RWSS to Kuttichal 2) CWSS TO Parassala and Adjoining Villages and Marukil and Maranalloor Villages	2300	230.12	787
35	Thiruvananthapuram	Madavoor	CWSS to Kilimanoor, Pazhayakunnummel and madavoor panchayaths	3137	354.00	157
36	Thiruvananthapuram	Malayinkeezh	CWSS to Parassala, MarukilMaranallur and Adj.villages	7090	1,880.00	435
37	Thiruvananthapuram	Manamboor	CWSS to varkala and adjoining villages & ARWSS to Edakkodu and adjoiningvillages	1408	162.00	366
38	Thiruvananthapuram	Mangalapuram	ARWSS to Edakkodu and adjoiningvillages	1900	243.00	1652
39	Thiruvananthapuram	Manickal	RWSS to Manickal	700	149.00	580
40	Thiruvananthapuram	Maranalloor	CWSS to Parassala, MarukilMaranallur and Adj.villages	6924	1,801.00	605
41	Thiruvananthapuram	Mudakkal	ARWSS to Edakkodu and adjoining villages	2500	350.63	734
42	Thiruvananthapuram	Nagaroor	RWSS to Nagaroor	400	78.81	0
43	Thiruvananthapuram	Nagaroor	Bore well based MWSS	410	70.70	219
44	Thiruvananthapuram	Nanniyode	RWSS to Palode& CWSS to Anad,Kurupuzha,Palode	4450	468.00	582
45	Thiruvananthapuram	Navaikulam	CWSS to Varkala and adjoining villages	4326	461.00	219
46	Thiruvananthapuram	Nellanad	RWSS to Nellanadu	390	83.06	295
47	Thiruvananthapuram	Ottasekharamanglam	CWSS to Parassala, MarukilMaranallur and Adj.villages	4629	1,705.21	204
48	Thiruvananthapuram	Ottoor	CWSS to varkala and adjoining villages	811	119.40	873
49	Thiruvananthapuram	Pallichal	CWSS to Pallichal, Vilavoorkkal	7438	2,010.99	747
50	Thiruvananthapuram	Pallickal	RWSS to Pallickal Pipe line extension	1921	216.00	0
51	Thiruvananthapuram	Pallickal	Borewell based MWSS	897	186.66	14
52	Thiruvananthapuram	Panavoor	CWSS to Kallara ,PangodePanavoorPullamparaVembayam	3000	617.00	1663
53	Thiruvananthapuram	Pangode	CWSS to Kallara ,PangodePanavoorPullamparaVembayam	2000	352.99	829
54	Thiruvananthapuram	Parassala	RWSS to Parassala	7912	2,558.35	280

55	Thiruvananthapuram	Pazhayakunnumel	ARWSS to Kilimanoor,Pazhayakunnumel and Madavoor Panchayaths-line extension	6343	693.67	38
56	Thiruvananthapuram	Peringammala	RWSS to Peringammala& RWSS to Idinjar	400	100.00	741
57	Thiruvananthapuram	Perumkadavila	RWSS to Kunnathukal	1200	200.00	357
58	Thiruvananthapuram	Poovachal	CWSS to Parassala and Adjoining Villages and Marukil and Maranalloor Villages & CWSS to Manoorkara,Veranakavu	3318	759.50	529
59	Thiruvananthapuram	Poovachal	Bore well based MWSS	260	42.73	0
60	Thiruvananthapuram	Poovar	CWSS to Kanjiramkulam, Karinkulam, Thirupuram	1961	475.00	539
61	Thiruvananthapuram	Pothencode	ARWSS to Edakkodu and adjoiningvillages	2000	244.37	1958
62	Thiruvananthapuram	Pulimath	RWSS to Pulimath	450	112.35	345
63	Thiruvananthapuram	Pullampara	CWSS to Kallara ,PangodePanavoorPullamparaVembayam	3000	626.00	2026
64	Thiruvananthapuram	Thirupuram	CWSS to Kanjiramkulam, Karinkulam, Thirupuram	2554	847.70	714
65	Thiruvananthapuram	Tholicode	CWSS to Vithura, Tholicode	8121	756.00	853
66	Thiruvananthapuram	Uzhamalakkal	RWSS to uzhamalakkal	828	212.50	845
67	Thiruvananthapuram	Vakkom	CWSS to vakkomAnjengo	800	126.81	502
68	Thiruvananthapuram	Vamanapuram	RWSS to Vamanapuram, RWSS to Nellanadu	450	66.91	267
69	Thiruvananthapuram	Vellanad	RWSS to vellanad	1500	284.00	557
70	Thiruvananthapuram	Vellarada	CWSS to Parassala, MarukilMaranallur and Adj.villages	8950	2,083.12	467
71	Thiruvananthapuram	Vembayam	CWSS to Kallara ,PangodePanavoorPullamparaVembayam	4000	1,000.00	962
72	Thiruvananthapuram	Venganoor	CWSS to Kalliyoor, Venganoor, Vizhinjam and Kovalam Tourist Area	3700	966.30	816
73	Thiruvananthapuram	Vettoor	CWSS to varkala and adjoining villages, RWSS to Kattuvila, RWSS to vettoorvilabhagam, Ongoing RWSS to Kakkakuzhy	1038	156.80	106
74	Thiruvananthapuram	Vilappil	RWSS to vilappil	3516	2,045.00	817
75	Thiruvananthapuram	Vilavoorkal	CWSS to Pallichal, Vilavoorkal	1831	775.23	135
76	Thiruvananthapuram	Vithura	CWSS to Vithura, Tholicode	6156	677.00	1705
77	Kollam	Adichanalloor	JICA assisted water supply scheme to Meenad& adjoining Villages	5609	704.22	463
78	Kollam	Alappad	CWSS to Oachaira and adjoining panchayats	100	133.00	1222
79	Kollam	Alayamon	CARWSS to Kulathupuzha& adj villages	5026	1,299.00	187
80	Kollam	Anchal	JICA assisted water supply scheme to Meenad& adjoining Villages	9530	2,174.59	526
81	Kollam	Aryankavu	RWSS to Aryankavu& RWSS to Achenkovil	65	11.00	84
82	Kollam	Chadayamangalam	CWSS to Chithara& adj pts	4415	1,308.00	347
83	Kollam	Chathannoor	JICA assisted water supply scheme to Meenad& adjoining Villages	2199	301.53	185
84	Kollam	Chirakkara	JICA assisted water supply scheme to Meenad& adjoining Villages	3382	413.48	181

85	Kollam	Chithara	CWSS to Chithara& adj pts	9111	2,643.00	1148
86	Kollam	Clappana	CWSS to Oachaira and adjoining panchayats	2057	449.00	1130
87	Kollam	East Kallada	BAWSS to Kundara& adj pts	5339	1,775.80	649
88	Kollam	Edamulackal	JICA assisted water supply scheme to Meenad& adjoining Villages	8895	2,146.17	230
89	Kollam	Elamadu	JICA assisted water supply scheme to Meenad& adjoining Villages	6783	1,832.00	221
90	Kollam	Elampalloor	BAWSS to Kundara& adj pts	7778	2,003.70	509
91	Kollam	Ezhukone	BAWSS to Kundara& adj pts	5886	2,106.40	700
92	Kollam	Ittiva	CARWSS to Kulathupuzha& adj villages	789	132.50	534
93	Kollam	Kadakkal	CWSS to Chithara& adj pts	8147	2,250.00	662
94	Kollam	Kalluvathukkal	JICA Assisted KWSS to Meenad and adjoining villages	1000	125.00	1448
95	Kollam	Karavallor	JICA assisted water supply scheme to Meenad& adjoining Villages	6590	2,260.31	356
96	Kollam	Kareepra	RWSS to Kareepra	500	2,936.00	255
97	Kollam	Kareepra	JJM- Providing FHTC to Kareepra Grama Panchayat	5358	0.00	0
98	Kollam	Kottamkara	WSS to Kottamkara panchayat	5850	4,907.00	789
99	Kollam	Kulakkada	RWSS to Kulakkada and Pavithreswaram Pts.	8299	2,653.00	743
100	Kollam	Kulasekharapuram	RWSS to Kulasekharapuram	3000	651.00	568
101	Kollam	Kulathupuzha	CARWSS to Kulathupuzha& adj villages	8336	1,926.40	107
102	Kollam	Kummil	CARWSS to Kulathupuzha& adj villages	5580	2,025.80	263
103	Kollam	Kundara	BAWSS to Kundara& adj pts	2416	1,525.00	74
104	Kollam	Kunnathoor	RWSS to Kunnathur	1072	401.53	19
105	Kollam	Mayyanadu	JICA assisted water supply scheme to Meenad& adjoining Villages	6354	1,221.00	1359
106	Kollam	Melila	RWSS to Vilakkudy,Melila and Vettikkavala	5538	3,575.00	65
107	Kollam	Munroethuruth	RWSS to Mundroethuruthu	651	71.03	821
108	Kollam	Mylom	WSS to Pattazhy,Pattazhyvadakkekkara,Mylom and Thalavoor Panchayath	9102	1,602.10	73
109	Kollam	Mynagappally	RWSS to Mynagappally	5692	2,130.00	210
110	Kollam	Nedumpana	JICA assisted water supply scheme to Meenad& adjoining Villages	7615	1,279.30	1496
111	Kollam	Neduvathoor	BAWSS to Kundara& adj pts	580	97.40	533
112	Kollam	Neendakara	RWSS to Neendakara	285	58.00	108
113	Kollam	Nilamel	CWSS to Chithara& adj pts	4446	2,400.80	156
114	Kollam	Oachira	CWSS to Oachaira and adjoining panchayats	6547	1,090.00	236
115	Kollam	Panayam	RWSS to Panayam	600	75.78	971
116	Kollam	Pathanapuram	ARWSS to Pathanapuram&Piravanthoor Pts	7109	3,288.40	112

117	Kollam	Pattazhi	WSS to Pattazhy,Pattazhyvadakkekara,Mylom and Thalavoor Panchayath	3108	347.93	65
118	Kollam	PattazhiVadakkekara	WSS to Pattazhy,Pattazhyvadakkekara,Mylom and Thalavoor Panchayath	3107	347.83	543
119	Kollam	Pavithreswaram	ARWSS to Kulakkada&Pavithreswaram Pts	2100	3,324.00	817
120	Kollam	Pavithreswaram	JJM- Providing FHTC to Pavithreswaram Grama Panchayat	5570	0.00	0
121	Kollam	Perayam	BAWSS to Kundara& adj pts	4414	1,442.30	55
122	Kollam	Perinadu	RWSS to Perinadu, ARWSS to Pathanapuram&Piravanthoor Pts	500	65.20	1101
123	Kollam	Piravanthoor	ARWSS to Pathanapuram&Piravanthoor Pts, JICA assissted water supply scheme to Meenad& adjoining Villages	6626	1,386.29	196
124	Kollam	Poothakulam	JICA assissted water supply scheme to Meenad& adjoining Villages	2490	321.24	326
125	Kollam	Pooyappally	JICA assissted water supply scheme to Meenad& adjoining Villages, RWSS to Poruvazhy	4659	598.37	224
126	Kollam	Poruvazhy	RWSS to Poruvazhy, CWSS to West Kallada, Sasthamcotta and Soorandu South Panchayaths	517	127.44	538
127	Kollam	Sasthamcotta	CWSS to West Kallada, Sasthamcotta and Soorandu South Panchayaths,RWSS to Sooranad North	2806	1,622.57	73
128	Kollam	Sooranadu North	RWSS to Sooranad North, CWSS to West Kallada, Sasthamcotta and Soorandu South Panchayaths	250	101.35	252
129	Kollam	Sooranadu South	CWSS to West Kallada, Sasthamcotta and Soorandu South Panchayaths, WSS to Pattazhy,Pattazhyvadakkekara,Mylom and Thalavoor Panchayaths	2643	1,442.52	145
130	Kollam	Thalavoor	WSS to Pattazhy,Pattazhyvadakkekara,Mylom and Thalavoor Panchayaths, RWSS to Thazhava	6920	765.00	57
131	Kollam	Thazhava	RWSS to Thazhava, CWSS to Thevalakkara and Thekkumbhagam& RWSS to Thevalakkara	2900	588.00	286
132	Kollam	Thekkumbhagam	CWSS to Thevalakkara and Thekkumbhagam& RWSS to Thevalakkara RWSS to Thenmala	2388	1,180.18	216
133	Kollam	Thenmala	RWSS to Thenmala, CWSS to Thevalakkara and Thekkumbhagam& RWSS to Thevalakkara	260	43.00	332
134	Kollam	Thevalakkara	CWSS to Thevalakkara and Thekkumbhagam& RWSS to Thevalakkara	900	172.00	410
135	Kollam	Thevalakkara	JJM - Providing FHTCs to Thevelkkara Panchayat	4388	2,257.18	0
136	Kollam	Thodiyoor	RWSS to Thodiyoor	3400	644.00	715
137	Kollam	Thrikkaruva	RWSS to Thrikkaruva	600	62.94	841
138	Kollam	Thrikkovilvattam	WSS to Thrikkovilvattom and Nedumpna Panchayaths	7461	1,315.00	2342

139	Kollam	Ummannoor	JICA assisted water supply scheme to Meenad& adjoining Villages	8898	2,601.50	358
140	Kollam	Velinalloor	RWSS to Velinelloor	1600	421.60	335
141	Kollam	Veliyam	JICA assisted water supply scheme to Meenad& adjoining Villages	8802	2,142.88	31
142	Kollam	Vettikavala	RWSS to Vilakkudy,Melila and Vettikkavala	9472	7,200.00	4
143	Kollam	Vilakkudy	RWSS to Vilakkudy,Melila and Vettikkavala	8088	2,904.50	20
144	Kollam	West Kallada	CWSS to West Kallada, Sasthamcotta and Soorandu South Panchayaths	763	470.28	126
145	Kollam	Yeroor	water Supply scheme to Eroor Panchayath	8086	1,947.00	483
146	Pathanamthitta	Anicadu	RWSS to Anicadu	480	133.35	526
147	Pathanamthitta	Aranmula	RWSS to Aranmula	750	179.37	663
148	Pathanamthitta	Aurvappulam	Jal Jeevan Mission : Providing FHTCs to Aruvappulam Panchayat	350	125.00	76
149	Pathanamthitta	Ayoor	RWSS to Ayoor -Kanjettukara	1800	518.90	1391
150	Pathanamthitta	Chenneerkara	RWSS to Chenneerkara-Mezhuvuly	1100	282.10	200
151	Pathanamthitta	Cherukole	RWSS to Cherukole&Naranganam	575	178.48	242
152	Pathanamthitta	Chittar	RWSS to Chittar ,RWSS to Meenkuzhy& ,RWSS to Kodumudy	625	217.43	161
153	Pathanamthitta	Elanthoor	RWSS to ELanthoor- Mallappuzhassery	700	181.54	162
154	Pathanamthitta	Enadimangalam	UWSS to AdoorMunicipality And adjoining Panchayaths	250	34.93	114
155	Pathanamthitta	Erathu	JJM providing FHTC to Erathu panchayath	650	125.63	99
156	Pathanamthitta	Eraviperoor	RWSS to Eraviperoor	400	189.00	142
157	Pathanamthitta	Ezhamkulam	UWSS to AdoorMunicipality And adjoining Panchayaths	300	43.04	322
158	Pathanamthitta	Ezhumattoor	RWSS to Ezhumattoor	850	505.87	1091
159	Pathanamthitta	Kadampnad	JJM providing FHTC to Kadampnad panchayath	850	163.23	183
160	Pathanamthitta	Kadpra	CRWSS to Nedumpuram,Peringara,Niranam,Kadpra Panchayats	1440	214.90	615
161	Pathanamthitta	Kallooppara	ARWSS to Kallooppara	700	199.60	988
162	Pathanamthitta	Kaviyoor	RWSS to KaviyoorKunnamthanam	1270	172.80	365
163	Pathanamthitta	Kodumon	JJM providing FHTC to Kodumaon panchayath	1000	140.81	409
164	Pathanamthitta	Koipuram	RWSS to Koipuram	600	225.00	378
165	Pathanamthitta	Konni	Jal Jeevan Mission : Providing FHTCs to Konni Panchayat	0	0.00	98
166	Pathanamthitta	Kottanad	RWSS to Aruvickal& , RWSS to perumpetty	150	47.95	189
167	Pathanamthitta	Kottangal	WSS to Kottangal& RWSS to Perumpara	350	134.22	664
168	Pathanamthitta	Kozhencherry	RWSS to Kozhencherry	200	44.18	200
169	Pathanamthitta	Kulanada	RWSS to KULANADA	680	125.54	430
170	Pathanamthitta	Kunnamthanam	RWSS to KaviyoorKunnamthanam	1470	204.10	1018

171	Pathanamthitta	Kuttoor	RWSS to Kuttoor& NC/PC RWSS to Kuttoor	810	130.00	616
172	Pathanamthitta	Malayalappuzha	RWSS to Malayalappuzha-	250	39.06	119
173	Pathanamthitta	Mallappally	RWSS to Mallappally&RWSS to Mullankuzhy	200	131.71	482
174	Pathanamthitta	Mallappuzhassery	RWSS to Elanthur Mallappuzhassery	650	106.70	518
175	Pathanamthitta	Mezhuveli	RWSS to Chenneerikara - Mezhuveli	200	48.22	186
176	Pathanamthitta	Mylapra	RWSS to Mylapra	35	6.37	47
177	Pathanamthitta	Naranammoozhy	RWSS to Adichippuzha, RWSS to Kudamuruti& RWSS to Vechoochira	650	176.97	231
178	Pathanamthitta	Naranganam	RWSS to Cherukole&Naranganam	300	48.13	120
179	Pathanamthitta	Nedumpuram	CRWSS to Nedumpuram, Peringara, Niranam, Kadapra Panchayats	105	15.68	121
180	Pathanamthitta	Niranam	CRWSS to Nedumpuram, Peringara, Niranam, Kadapra Panchayats	570	87.64	397
181	Pathanamthitta	Niranam	JJM providing FHTC to Niranam panchayath	653	102.57	0
182	Pathanamthitta	Omaloor	RWSS to Omaloor	80	14.47	125
183	Pathanamthitta	Pallickal	JJM providing FHTC to Pallickal panchayath	200	41.64	132
184	Pathanamthitta	PandalamThekkeerikara	RWSS to Pandalam -Thekkeerikara&Thumpamon	250	43.07	257
185	Pathanamthitta	Peringara	CRWSS to Nedumpuram, Peringara, Niranam, Kadapra Panchayats	244	37.03	263
186	Pathanamthitta	Pramadam	RWSS to Pramadam	500	74.11	391
187	Pathanamthitta	Puramattom	JJM providing FHTC to Puramattom panchayath	300	140.00	24
188	Pathanamthitta	Ranni	WSS to Ranni, Pazhavangadi and Vadasserikkara villages	350	86.68	232
189	Pathanamthitta	Ranni-Angadi	RWSS to Angadi	850	241.77	411
190	Pathanamthitta	Ranni-Angadi	Mini Water Supply Scheme at Varavoor-04 cent colony &Varavoor SC colony Ward 11 in Ranni-Angadi GP	76	17.64	0
191	Pathanamthitta	Ranni-Pazhavangadi	WSS to Ranni, Pazhavangadi and Vadasserikkara villages	1050	257.01	469
192	Pathanamthitta	Ranni-Perunadu	Existing scheme -1. RWSS to Perunadu 2. RWSS to Adichupuzha 3. WSS to Perunadu and Athikkayam Villages	2400	798.25	290
193	Pathanamthitta	Seethathodu	Mini Water Supply Scheme at SAVHS, Malabhogom Road, Ward-04, Seethathode GP	28	6.58	0
194	Pathanamthitta	Thannithodu	RWSS to Thannithodu	200	29.37	206
195	Pathanamthitta	Thottappuzhassery	RWSS to Thottappuzhassery	250	129.20	123
196	Pathanamthitta	Thottappuzhassery	RWSS to Thottappuzhassery	450	204.00	0
197	Pathanamthitta	Thumpamon	RWSS to Pandalam -Thekkeerikara&Thumpamon	300	50.39	237
198	Pathanamthitta	Vadasserikara	1. WSS to Ranni, Pazhavangadi and Vadasserikkara villages 2. RWSS to Vadasserikkara 3. RWSS to Pezhumpara	520	176.76	274
199	Pathanamthitta	Vadasserikara	Mini Water Supply Scheme at Anchumukku, Ward-08, Vadasserikkara GP	65	15.69	0

200	Pathanamthitta	Vallikcode	RWSS to Vallikkodu-Kodumon	550	81.93	461
201	Pathanamthitta	Vechoochira	RWSS to Vechoochira RWSS to Kollamula	680	163.05	397
202	Kottayam	Akalakunnam	JJM providing FHTC to Akalakkunnam panchayath	5000	2350	61
203	Kottayam	Arpookara	CWSS to Ettumanoor and adjoining villages	2700	599.81	3822
204	Kottayam	Athirampuzha	RWSS to Athirampuzha Panchayath	8300	3613	1313
205	Kottayam	Ayarkkunnam	ARWSS to AyarkkunnamKoroppady and Pampady Villages	500	273.84	402
206	Kottayam	Ayarkkunnam	JJM providing FHTC to Aymanam panchayath	7820	3671	0
207	Kottayam	Aymanam	JJM providing FHTC to Aymanam panchayath	4022	154.32	28
208	Kottayam	Bharananganam	JJM providing FHTC to Bharananganam panchayath	200	27.26	20
209	Kottayam	Chempu	ARWSS To Thalayazham&adjoing villages	2292	450.97	780
210	Kottayam	Chirakkadavu	RWSS to Kanjirappally, Elikkulam and Chirakkadavu Pts-	2600	1539	288
211	Kottayam	Erumely	WSS to Erumeli	10500	4935	70
212	Kottayam	Kadanadu	JJM providing FHTC to kadanad panchayath	220	31.13	186
213	Kottayam	Kadaplamattom	RWSS toElackadu, Kurichithanam and Palackkattumala	200	338.69	55
214	Kottayam	Kaduthuruthy	ARWSS to Veliyannoor and Adjoing villages	1000	361.65	532
215	Kottayam	Kallara	RWSS to Kallara Panchayath	2100	619.76	1140
216	Kottayam	Kanakkary	CWSS to Manjoor and Kanakkary Panchayath	3439	933.58	1829
217	Kottayam	Kangazha	RWSS to Nedumkunnam, Kangazha	257	173.5	17
218	Kottayam	Kangazha	JJM providing FHTC to kangazha panchayath	77	11.52	0
219	Kottayam	Kanjirappally	ARWSS to KanjirappallyElikkulam And Cirakkadav	1000	211	280
220	Kottayam	Karoor	JJM providing FHTC to karoorpanchayath	237	31.4	6
221	Kottayam	Karukachal	RWSS to Karukachal, Madapally and Vakathanam	235	125	267
222	Kottayam	Kidangoor	RWSS toVattukulangara, RWSS Kummannoor, ARWSS to Kidangoor	200	369.73	81
223	Kottayam	Kooroppada	JJM providing FHTC to Kooroppada panchayath	133	19.29	0
224	Kottayam	Kozhuvanal	JJM providing FHTC to Kozhuvanal panchayath	100	13.56	32
225	Kottayam	Kumarakom	ARWSS to KumarakomThiruvrappu	2000	245.36	1441
226	Kottayam	Kurichi	RWSS to Kurichi	250	212	45
227	Kottayam	Madappally	JJM providing FHTC to Madappally panchayath	192	39.23	51
228	Kottayam	Manarkkad	KSP-WSS to Manarcadu-Ph	5831	2642	445
229	Kottayam	Manimala	CWSS to manimala and adjoining villages	3750	1359	724
230	Kottayam	Manjoor	WSS to Manjoor&Kanakkary panchayat -	7455	1075	965
231	Kottayam	Marangattupilly	JJM providing FHTC to Marangattupally panchayath	100	14.71	14

232	Kottayam	Maravanthuruthu	ARWSS To Thalayazham&adjoing villages	2661	342.72	1325
233	Kottayam	Meenachil	JJM providing FHTC to Meenachil panchayath	76	11.27	0
234	Kottayam	Meenadom	JJM providing FHTC to Meenadom panchayath	100	13.58	0
235	Kottayam	Mulakulam	ARWSS to Veliyannoor and Adjoining villages	4250	1127.06	409
236	Kottayam	Mundakayam	RWSS to Mundakkayam	150	50	142
237	Kottayam	Mutholy	JJM providing FHTC to Mutholy panchayath	206	30.4	26
238	Kottayam	Nedumkunnam	RWSS to Nedumkunnam, Kangazha	315	259.8	597
239	Kottayam	Neendoor	CWSS to Ettumanoor and adjoining villages	1200	259.42	2300
240	Kottayam	Njeezhoor	ARWSS to Veliyannoor and Adjoining villages	3300	1235.8	434
241	Kottayam	Pallickathodu	CWSS to manimala and adjoining villages	2650	2415	0
242	Kottayam	Panachikkad	JJM providing FHTC to Panachikad panchayath	15	2.12	120
243	Kottayam	Parathodu	JJM providing FHTC to PARathodu panchayath	223	32.88	87
244	Kottayam	Payippadu	RWSS to Paippadu	350	183	82
245	Kottayam	Puthuppally	RWSS to Puthuppally Ph2, AWSS to Kottayam Municipality & Adjoining Panchayaths	150	34.85	198
246	Kottayam	Poonjar	Jal Jeevan Mission : Providing FHTCs to Poonjar Panchayat	0	0.00	12
247	Kottayam	T.V. Puram	ARWSS To Thalayazham& adjoining villages	69	16.04	181
248	Kottayam	Thalayazham	ARWSS To Thalayazham& adjoining villages	1414	197.95	798
249	Kottayam	Thalayolaparambu	ARWSS To Thalayazham& adjoining villages	2358	491.51	958
250	Kottayam	Theekoy	JJM providing FHTC to teekoy panchayath	20	2.78	18
251	Kottayam	Thiruvappu	ARWSS to KumarakomThiruvappu	4500	618.94	4605
252	Kottayam	Thrickodithanam	RWSS to Thrikkodithanam	700	307	72
253	Kottayam	Udayanapuram	ARWSS To Thalayazham& adjoining villages	2070	290.78	997
254	Kottayam	Uzhavoor	ARWSS To Thalayazham& adjoining villages	1460	855.1	24
255	Kottayam	Vakathanam	WSS TO VAKATHANAM	8774	8110	119
256	Kottayam	Vazhappally	RWSS to Vazhappally	810	402	448
257	Kottayam	Vazhoor	CWSS to manimala and adjoining villages	3800	2657	200
258	Kottayam	Vechoor	ARWSS To Thalayazham& adjoining villages	1080	217.8	511
259	Kottayam	Veliyannoor	ARWSS To Thalayazham& adjoining villages	2434	1083.73	786
260	Kottayam	Vellavoor	CWSS to manimala and adjoining villages	3500	2637	367
261	Kottayam	Velloor	ARWSS To Thalayazham& adjoining villages	3500	1572.11	1110
262	Kottayam	Vijayapuram	Jal Jeevan Mission : Providing FHTCs to Vijayapuram Panchayat	0	0.00	59
263	Idukki	Adimali	NRDWP - WSS to Mannamkandom Village in AdimalyPanchayth	500	71.41	37

264	Idukki	Adimali	JJM providing FHTC to panchayath Adimali	310	76.57	0
265	Idukki	Alakkode	CARWSS to Alakodu and adjoining villages	1366	180.6	356
266	Idukki	Arakulam	RWSS to Arakulam Panchayath	50	16.1	35
267	Idukki	Arakulam	JJM providing FHTC to Arakkulam panchayath	40	5.94	0
268	Idukki	Ayyappancoil	1. Water Supply to Kattappana and Ayyappancovil villages, 2. RWSS to Marykulam in Ayyappancovil Village	1223	185.2	547
269	Idukki	Bisonvally	JJM providing FHTC to Bison valley panchayats	170	41.99	0
270	Idukki	Chakkupallam	RWSS to Chakkupallam	300	63.05	46
271	Idukki	Devikulam	RWSS to Devikulam	10	1.8	10
272	Idukki	Edavetty	NABARD- RWSS to Edavetty	2382	313.65	413
273	Idukki	Elappara	CARWSS to Elappara and adjoining villages	1310	135.79	185
274	Idukki	Erattayar	ARWSS to Erattayar and Kalkoonthal (Part) villages	2110	284.95	1298
275	Idukki	Idukki Kanjikuzhi	RWSS to Idukki-Kanjikuzhy	15	2.46	35
276	Idukki	Idukki Kanjikuzhi	RWSS to Idukki-Kanjikuzhy	152	22	0
277	Idukki	Kanchiyar	Water Supply to Kattappana and Ayyappancovil villages	3500	525	0
278	Idukki	Kanthalloor	JJM providing FHTC to Kanthalloor panchayath	252	35.6	0
279	Idukki	Karimannoor	CARWSS to Alakodu and adjoining villages	2716	370.4	389
280	Idukki	Karinkunnam	RWSS to Muttom and Karimkunnam Panchayaths, RWSS to Karimkunnam	2450	3840.7	7
281	Idukki	Karunapuram	JJM providing FHTC to Kaunapuram panchayath	40	11.8	0
282	Idukki	Kodikkulam	CARWSS to Alakodu and adjoining villages	2270	301.6	438
283	Idukki	Kokkayar	CARWSS to Elappara and adjoining villages	100	11.42	24
284	Idukki	Konnathady	JJM providing FHTC to Konnathady panchayath	35	6.15	38
285	Idukki	Kudayathoor	RWSS to Kudayathoor	50	12.3	99
286	Idukki	Kumaramangalam	WSS to Kumaramangalam Panchayath	2991	1722	1
287	Idukki	Kumily	ARWSS to Kumaly Panchayath	300	60.54	171
288	Idukki	Manakkad	WSS to Manakadu and Purapuzha Panchayaths	1687	392.55	596
289	Idukki	Manakkad	JJM providing FHTC to Manakkad panchayath	85	22.06	0
290	Idukki	Marayoor	JJM providing FHTC to Marayoor panchayath	110	16.3	0
291	Idukki	Mariyapuram	RWSS to Idukki-Kanjikuzhy	20	6.88	20
292	Idukki	Mariyapuram	JJM providing FHTC to MARIYAPURAM panchayath	789	273.49	0
293	Idukki	Munnar	RWSS to Munnar Panchayath	20	10.73	0
294	Idukki	Muttom	RWSS to Muttom and Karimkunnam Panchayaths, RWSS to Muttom	1297	2336.2	3
295	Idukki	Muttom	JJM - Providing FHTCs to Thevelkkara Panchayat	464	128.47	0
296	Idukki	Nedumkandam	Jal Jeevan Mission : Providing FHTCs to Nedumkandam Panchayat	120	20.8	36
297	Idukki	Pallivasal	ARWSS to Pallivasal	25	4.11	0

298	Idukki	Pampadumpara	JJM - Providing FHTCs to Thevelkkara Panchayat	35	5.58	0
299	Idukki	Peerumade	CARWSS to Elappara and adjoining villages	3035	358.38	1444
300	Idukki	Peruvanthanam	CARWSS to Elappara and adjoining villages	350	67.73	6
301	Idukki	Purapuzha	RWSS to Manakadu and Purapuzha Panchayaths	1372	256.1	402
302	Idukki	Rajakkad	Jal Jeevan Mission : Providing FHTCs to Rajakkad Panchayat	35	5.1	12
303	Idukki	Rajakumari	RWSS to Rajakumari and Rajakkadu Villages	500	75	461
304	Idukki	Santhanpara	JJM - Providing FHTCs to Thevelkkara Panchayat	938	208.27	0
305	Idukki	Senapathi	JJM - Providing FHTCs to Thevelkkara Panchayat	100	14.2	0
306	Idukki	Udumbannoor	CARWSS to Alakodu and adjoining villages	2694	409.1	446
307	Idukki	Udumbannoor	JJM - Providing FHTCs to Thevelkkara Panchayat	166	26.12	0
308	Idukki	Upputhara	RWSS to Upputhara-Phase	380	117.62	188
309	Idukki	Vandanmedu	RWSS to Vandanmedu	100	99.84	1
310	Idukki	Vandanmedu	JJM - Providing FHTCs to Thevelkkara Panchayat	1621	359.04	0
311	Idukki	Vandiperiyar	RWSS to Vandiperiyar Panchayath	250	68.42	92
312	Idukki	Vannapuram	CARWSS to Alakodu and adjoining villages	2966	414.3	177
313	Idukki	Vannapuram	JJM - Providing FHTCs to Thevelkkara Panchayat	72	10.75	0
314	Idukki	Vathikudy	Jal Jeevan Mission : Providing FHTCs to Vathikudy Panchayat	149	22.34	80
315	Idukki	Vattavada	Jal Jeevan Mission : Providing FHTCs to Vattavada Panchayat	728	36.78	438
316	Idukki	Vazhathope	Water supply Scheme to District head quarters Idukki PainavColoney, Cheruthony and thannikandam area of Vazhathop Panchayath	398	53.65	21
317	Idukki	Vellathooval	1.CARWSS to Vellathooval and Konnathady Village, 2.RWSS to Kunjithanni	3530	529.91	1792
318	Idukki	Velliyamattom	NRDWP- WSS to Velliyamattom and Alakodu (Part) Villages	2200	298.6	0
319	Idukki	Velliyamattom	JJM - Providing FHTCs to Thevelkkara Panchayat	44	6.2	0
320	Alappuzha	Ambalapuzha North	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	10547	2,476.98	1790
321	Alappuzha	Ambalapuzha South	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	8673	1,255.60	943
322	Alappuzha	Arattupuzha	RWSS to Arattupuzha	1000	134.40	911
323	Alappuzha	Aroor	WSS to Cherthala Municipality and adjoining Panchayaths	330	44.80	400
324	Alappuzha	Arukutty	WSS to Cherthala Municipality and adjoining Panchayaths	1637	207.10	726
325	Alappuzha	Aryadu	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	2000	292.03	1836
326	Alappuzha	Bharanickavu	ARWSS to Bharanikkavu and adjoining Panchayaths	9758	4,084.36	164
327	Alappuzha	Champakulam	WSS to Kuttanad	350	37.40	73

328	Alappuzha	Chennampallipuram	WSS to Cherthala Municipality and adjoining Panchayaths	4401	471.60	1751
329	Alappuzha	Chennithala-Thrippunthura	ARWSS to MannarChennithala	6128	3,414.93	1712
330	Alappuzha	Chennithala-Thrippunthura	JJM - Providing FHTCs to Thevelkkara Panchayat	366	59.35	0
331	Alappuzha	Cheppadu	RWSS to Cheppadu	546	149.70	873
332	Alappuzha	Cheriyanaad	RWSS To Cheriyanaad	1300	350.40	1065
333	Alappuzha	Cherthala south	WSS to Cherthala Municipality and adjoining Panchayaths	8324	1,070.50	1115
334	Alappuzha	Cheruthana	RWSS to Cheruthana Phase	1068	217.20	733
335	Alappuzha	Chettikulangara	RWSS To Chettikulangara	188	61.10	171
336	Alappuzha	Chingoly	RWSS to Chingoli	1349	616.80	741
337	Alappuzha	Chunakara	ARWSS to Nooranad, Palamel, Chunakkara, Thamarakulam , ARWSS to Nooranad, Palamel, Chunakkara, Thamarakulam	5742	1,301.96	795
338	Alappuzha	Devikulangara	RWSS to Devikulangara	1010	134.50	1072
339	Alappuzha	Edathua	WSS to Kuttanad	150	19.40	165
340	Alappuzha	Ezhupunna	WSS to Cherthala Municipality and adjoining Panchayaths	1741	232.40	371
341	Alappuzha	Kadakkappally	WSS to Cherthala Municipality and adjoining Panchayaths	2081	279.70	718
342	Alappuzha	Kainakary	WSS to Kuttanad	350	37.00	78
343	Alappuzha	Kandalloor	RWSS to Kandallur	869	115.00	813
344	Alappuzha	Kanjikuzhy	WSS to Cherthala Municipality and adjoining Panchayaths	5250	674.40	2069
345	Alappuzha	Karthikappally	RWSS to Karthikappally	119	117.80	122
346	Alappuzha	Karuvatta	RWSS to Karuvatta	1830	428.80	990
347	Alappuzha	Kodamthuruthu	WSS to Cherthala Municipality and adjoining Panchayaths	1449	186.50	475
348	Alappuzha	Krishnapuram	ARWSS to Bharanikkavu and adjoining Panchayaths	7167	2,889.69	453
349	Alappuzha	Kumarapuram	RWSS to Kumarapuram	1345	219.30	1055
350	Alappuzha	Kuthiathodu	WSS to Cherthala Municipality and adjoining Panchayaths	1840	245.10	405
351	Alappuzha	Mannancherry	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	4500	591.20	3473
352	Alappuzha	Mannar	ARWSS to MannarChennithala	6840	3,850.97	915
353	Alappuzha	Mannar	Jal Jeevan Mission : Providing FHTCs to Mannar Panchayat	172	23.45	42
354	Alappuzha	Mararikulam North	WSS to Cherthala Municipality and adjoining Panchayaths	7311	944.00	1028
355	Alappuzha	Mararikulam South	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	4500	592.10	968
356	Alappuzha	Mavelikara-Thamarakulam	ARWSS to Nooranad, Palamel, Chunakkara, Thamarakulam	6844	1,520.44	97
357	Alappuzha	Mavelikara-Thekkekkara	ARWSS to Bharanikkavu and adjoining Panchayaths	9842	3,098.36	0
358	Alappuzha	Mavelikara-Thekkekkara	JJM - Providing FHTCs to Thevelkkara Panchayat	197	42.90	0
359	Alappuzha	Muhamma	WSS to Cherthala Municipality and adjoining Panchayaths	4982	637.70	1001
360	Alappuzha	Muthukulam	RWSS to Muthukulam	1656	202.60	1702

361	Alappuzha	Muttar	WSS to Kuttanad	150	19.40	202
362	Alappuzha	Nedumudi	WSS to Kuttanad	350	37.10	256
363	Alappuzha	Nooranadu	ARWSS to Nooranad, Palamel, Chunakkara, Thamarakulam	6173	1,465.11	760
364	Alappuzha	Neelemperoor	Jal Jeevan Mission : Providing FHTCs to Neelemperoor Panchayat	0	0.00	6
365	Alappuzha	Palamel	ARWSS to Nooranad, Palamel, Chunakkara, Thamarakulam	9441	1,853.09	828
366	Alappuzha	Pallippadu	RWSS to Pallippad	1926	410.00	771
367	Alappuzha	Panavally	WSS to Cherthala Municipality and adjoining Panchayaths	7408	795.10	1219
368	Alappuzha	Pathiyoor	RWSS to Pathiyoor	1800	258.00	1734
369	Alappuzha	Pattanakkad	WSS to Cherthala Municipality and adjoining Panchayaths	4680	623.30	722
370	Alappuzha	Perumpalam	WSS to Cherthala Municipality and adjoining Panchayaths	1912	218.80	1194
371	Alappuzha	Punnapra North	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	1970	356.00	1147
372	Alappuzha	Punnapra South	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	2077	444.31	1522
373	Alappuzha	Purakkad	UWSS to Alappuzha Municipality and 8 adjoining Panchayaths	4905	1,273.20	1572
374	Alappuzha	Ramankary	WSS to Kuttanad	350	19.40	269
375	Alappuzha	Thakazhy	WSS to Kuttanad	150	17.70	235
376	Alappuzha	Thalavady	WSS to Kuttanad	250	31.90	189
377	Alappuzha	Thanneermukkom	WSS to Cherthala Municipality and adjoining Panchayaths	4114	529.00	586
378	Alappuzha	Thazhakara	RWSS to Thazhakara	985	171.30	558
379	Alappuzha	Thazhakara	JJM - Providing FHTCs to Thevelkkara Panchayat	448	83.17	0
380	Alappuzha	Thiruvandoor	UWSS to Changanassery	540	125.35	297
381	Alappuzha	Thrikkunnappuzha	RWSS to Thrikkunnappuzha	173	107.00	176
382	Alappuzha	Thuravoor	WSS to Cherthala Municipality and adjoining Panchayaths	2352	316.00	997
383	Alappuzha	Thycattusery	WSS to Cherthala Municipality and adjoining Panchayaths	1455	182.00	336
384	Alappuzha	Vallikunnam	ARWSS to Bharanikkavu and adjoining Panchayaths	9083	3,218.79	221
385	Alappuzha	Vayalar	WSS to Cherthala Municipality and adjoining Panchayaths	3428	443.50	989
386	Alappuzha	Veeyapuram	WSS to Kuttanad	100	12.90	134
387	Alappuzha	Veliyanad	WSS to Kuttanad	250	19.40	223
388	Alappuzha	Venmoney	Jal Jeevan Mission : Providing FHTCs to Venmoney Panchayat	0	0.00	3
389	Ernakulam	Aikaranad	WSS to Puthenkurzh & adjoining Panchayath , RWSS to Mangattoor, RWSS to Kadayirupu	450	70	160
390	Ernakulam	Alangad	CWSS to Alangad, Kadungalloor and Karumalloor	1100	165	800
391	Ernakulam	Amballur	Phase II of 1) ARWSS to Edakkattuvayal Amballoor and Udayamperoor Part 2) RWSS to Kalyattikkara	1430	231	523

392	Ernakulam	Arakuzha	RWSS to Arakkuzha& TWSS to Thottakkara	900	125	328
393	Ernakulam	Asamannoor	ARWSS to Mulavoor, Asamannoor&Nellikuzhi, RWSS to Kallil, RWSS to Asamannoor	450	56	528
394	Ernakulam	Avoly	ARWSS to Avoly& RWSS to Kavana	1300	185	661
395	Ernakulam	Ayavana	ARWSS to Enanelloor	600	84	565
396	Ernakulam	Ayyampuzha	RWSS to Ayyampuzha, RWSS to Amalapuram and Thattupara	803	83.61	392
397	Ernakulam	Chellanam	JNNURM-WSS to ChellanamKumbalangi	1448	163	1244
398	Ernakulam	Chendamangalam	WSS to North paravur and adjoining pt.	1907	261.83	660
399	Ernakulam	Chengamanad	RWSS to Chengamanad and Nedumbassery Panchayaths	1385	146.3	543
400	Ernakulam	Cheranallur	EMWSS	361	35	379
401	Ernakulam	Chittattukara	Aug to Paravur municipality and adj pts	1615	225	946
402	Ernakulam	Choornikkara	RWSS to Choornikkara	278	41.7	371
403	Ernakulam	Chottanikkara	1. WSS to Thripunithura municipality and Adjoining Panchayath's 2. RWSS to Nagappady	496	209	379
404	Ernakulam	Edakkattuvayal	1) ARWSS to EdakkattuvayalAmballoor and Udayamperoor Part 2) RWSS to Parppakode 3) RWSS to Kaippattoor	880	155	156
405	Ernakulam	Edathala	RWSS to Edathala	246	36.9	426
406	Ernakulam	Edavanakkade	Hudco- WSS to Kochi City- Vypeen component	1050	140	317
407	Ernakulam	Elamkunnappuzha	Hudco- WSS to Kochi City- Vypeen component	1000	139	319
408	Ernakulam	Elanji	UWSS to Piravom and adjoining panchayaths	1200	211	61
409	Ernakulam	Ezhikkara	WSS to North paravur and adjoining pt.	1029	134	437
410	Ernakulam	Kadamakkudy	GIDA-WSS to Kadamakkudy Pt. & KIIFB Strengthening Distribution system	446	48	474
411	Ernakulam	Kadungallur	CWSS to Alangad,Kadungalloor and Karumalloor	1900	262	333
412	Ernakulam	Kalady	ARWSS to Kothakulangara , South and Manickamangalam villages	1602	164.22	1169
413	Ernakulam	Kalloorkkad	CARWSS to Kalloorkkad& RWSS to Velookara	380	55	9
414	Ernakulam	Kanjoor	CRWSS to Sreemoolanagaram&Kanjoor Panchayaths	763	76.83	746
415	Ernakulam	Karukutty	RWSS to Karukutty&Mookkannoor	6411	3220.87	85
416	Ernakulam	Karumalloor	CWSS to Alangad,Kadungalloor and Karumalloor	1500	197	594
417	Ernakulam	Kavalangad	RWSS to Kuttamangalam-Neriamangalam	800	1023	734
418	Ernakulam	Keerampara	RWSS to Keerampara	300	164	42

419	Ernakulam	Keezhmad	RWSS to Keezhmadu	505	75.5	582
420	Ernakulam	Kizhakkambalam	WSS to Kizhakkambalam, Vazhakkulam & Kunnathunadu, RWSS to Vilagu Kvingaparambu	7324	931	72
421	Ernakulam	Koovappady	RWSS to Koovappady	6553	812	745
422	Ernakulam	Kottappadi	RWSS to Kottappady	700	364	190
423	Ernakulam	Kottuvally	Jal Jeevan Mission : Providing FHTCs to Kottuvally Panchayat	0	0.00	339
424	Ernakulam	Kumbalam	JNNURM scheme	300	178	234
425	Ernakulam	Kumbalangy	JNNURM-WSS to Chellanam Kumbalangi	1465	153.5	982
426	Ernakulam	Kunnathunadu	CARWSS to Vazhakkulam, Kunnathunadu and Kizhakkambalam, ARWSS to Kunnathunadu	4500	791	559
427	Ernakulam	Kunnukara	RWSS to Ayiroor- Parakkadavu Zone-II in Kunnukara panchayath.	220	22.2	331
428	Ernakulam	Kuttampuzha	RWSS to Kuttampuzha, RWSS to Kuttampuzha (Vadattupara zone)	1800	740	991
429	Ernakulam	Malayattoor-Neeleswaram	RWSS to Malayattoor, RWSS to kothakulangara -Manikkamangalam	1080	114	700
430	Ernakulam	Maneed	1) ARWSS to Maneed Mulanthuruthy	980	173	293
431	Ernakulam	Manjalloor	ARWSS to Manjalloor & RWSS to Madakkathanam	2300	544	578
432	Ernakulam	Manjapra	RWSS to Manjapra	575	60.6	556
433	Ernakulam	Marady	RWSS to Marady	600	76	5
434	Ernakulam	Mazhuvannoor	RWSS to Manjinad, Mannoor, Veettoor & Thattamol	250	31.22	301
435	Ernakulam	Mookkannur	RWSS to Karukutty & Mookkannoor	2322	1496.78	610
436	Ernakulam	Mudakuzha	RWSS to Mudakuzha, ARWSS to Vengoor E&W, ARWSS to Koovappady	250	31.23	278
437	Ernakulam	Mulanthuruthy	1) ARWSS to Maneed Mulanthuruthy 2) RWSS to Pulikkamali 3) RWSS to Arakkunnam 4) RWSS to Karikode	1370	234	439
438	Ernakulam	Mulavukade	EMWSS	515	65	561
439	Ernakulam	Nayarambalam	Jal Jeevan Mission : Providing FHTCs to Nayarambalam Panchayat	425	65	1
440	Ernakulam	Nedumbassery	RWSS to Chengamanad and Nedumbassery Panchayaths	450	45.3	421
441	Ernakulam	Nellikuzhi	RWSS to Nellikuzhy	2300	730	449

442	Ernakulam	Njarakkal	Hudco- WSS to Kochi City- Vypeen component	450	72	450
443	Ernakulam	Ockal	RWSS to Okkal	4789	594	458
444	Ernakulam	Paingottur	RWSS to Paingottoor	500	230	76
445	Ernakulam	Paipra	CARWSS to Mulavoor,RWSS to Zoolamkuzhy ,TWSS to Chennarthadam& RWSS to Thrikkalathoor	1800	270	702
446	Ernakulam	Palakuzha	RWSS to Palakkuzha	360	126	351
447	Ernakulam	Pallarimangalam	,NC PC Pallarimangalam	900	314	72
448	Ernakulam	Pallipuram	Hudco- WSS to Kochi City- Vypeen component	1234	171	439
449	Ernakulam	Pampakuda	UWSS to Piravom and adjoining panchayaths	1030	177	291
450	Ernakulam	Parakkadavu	RWSS to Parakkadavu	240	24.2	251
451	Ernakulam	Pindimana	RWSS to Pindimana	2897	1330	335
452	Ernakulam	Poothrikka	WSS to Puthenkuruz and adjoining panchayath, TWSS toPariyaram, RWSS to Nirappamala	500	81	87
453	Ernakulam	Pothanikkad	ARWSS to Pothanicad and Pallarimangalam	700	272	130
454	Ernakulam	Puthenvelikara	RWSS to Puthenvelikkara	4779	825.7	1650
455	Ernakulam	Ramamangalam	RWSS to Ramamangalam	745	132	380
456	Ernakulam	Rayamanglam	CWSS to Rayamangalam, RWSS to Kallil, RWSS to Nellimolam&Keezhillam	1000	125	256
457	Ernakulam	Sreemoolanagaram	CWSS to Sreemoolanagaram& Kanjoor panchayath	1648	162.1	422
458	Ernakulam	Thirumarady	UWSS to Piravom and adjoining panchayaths	1000	180	79
459	Ernakulam	Thiruvaniyoor	Jal Jeevan Mission : Providing FHTCs to Thiruvaniyoor Panchayat	300	60	69
460	Ernakulam	Thuravoor	ARWSS to Kothakulangara , South and Manickamangalam villages	295	30.78	311
461	Ernakulam	Udayamperur	1) ARWSS to Edakkattuvayal, Amballoor and Udayamperoor Panchayath (2) RWSS to Poothotta PH (3) WSS to Thripunithura Municipality and Adjoining Panchayath's	1000	239	339
462	Ernakulam	Vadakkekara	Aug to Paravur municipality and adj pts	1368	200	264
463	Ernakulam	Vadavucode-Puthenkurisu	WSS to Puthenkurzh& adjoining Panchayath , RWSS to Kutta, RWSS toPeechinchira	650	100	102
464	Ernakulam	Valakam	RWSS to Valakom	1000	129	349
465	Ernakulam	Varappetty	RWSS to Varappetty Phase	3292	690	230
466	Ernakulam	Varapuzha	Jal Jeevan Mission : Providing FHTCs to Varapuzha Panchayat	0	0.00	109

467	Ernakulam	Vazhakkulam	WSS to Kizhakkambalam, Vazhakkulam & Kunnathunadu, RWSS to Vilagu Kvingaparambu	8807	1092	531
468	Ernakulam	Vengola	CWSS to Perumbavoor, Vengola, RWSS to Perumani	1500	186	439
469	Ernakulam	Vengoor	RWSS to Vengoor, ARWSS to Vengoor east & west RWSS to Munipara	750	93	612
470	Thrissur	Adat	TWSS - RWSS to Adat,	1000	237	414
471	Thrissur	Alagappa Nagar	1. RWSS to Pudukkad and Alagappa Nagar, 2. RWSS to Mannampetta, 3. RWSS to Varakkara- Additional shift	3050	1427	38
472	Thrissur	Alur	1. BWSS to EMHS Aloor, 2. RWSS to Kallettumkara, 3. RWSS to Porunnamkundu, 4. RWSS to Aloor Thazhekkadu and 5. RWSS to Kuzhikkattussery	1950	430	51
473	Thrissur	Annamanada	Jalanidhi - WSS to Mala and Adjoining Panchayaths	500	75.1	195
474	Thrissur	Anthikkad	KPCTA - Chazhur, Thanniyam Anthikkad	2100	820	34
475	Thrissur	Arimboor	TWSS - RWSS to Arimbur.	1000	250	419
476	Thrissur	Athirappilly	JJM - Providing FHTCs to Thevelkkara Panchayat	500	234	0
477	Thrissur	Avannoor	RWSS to Varadium	200	29	106
478	Thrissur	Avinissery	ARWSS to Avinissery- providing water service connections.	400	85	452
479	Thrissur	Chazhoor	Jal Jeevan Mission : Providing FHTCs to Chazhoor Panchayat	2000	780	3
480	Thrissur	Chelakkara	CWSS to Wadakkanchery and adjoining Panchayats CARWSS to Pangarappilly AUWSP to Chelakkara CT	1500	174	30
481	Thrissur	Cherppu	SPAN Urakam and Adjoining villages - Additional raw water pump set, pumping main, clear water sump and Filter media changing (Aug)	3794	848.7	314
482	Thrissur	Choondal	ARWSS to Chiranellur	650	115	34
483	Thrissur	Chowvannur	Jal Jeevan Mission : Providing FHTCs to Chowvannur Panchayat	0	0.00	1

484	Thrissur	Desamangalam	CARWSS to Kadangode and adjoining panchayats	600	71	110
			RWSS to Desamangalam			
485	Thrissur	Edathiruthy	CWSS to NattikaFirka	2500	786	82
486	Thrissur	Edavilangu	CWSS to MethalaEriyadEdavilangu and Kadukutty Panchayaths	2409	352	45
487	Thrissur	Elavally	Jalanidhi - WSS to Mala and Adjoining Panchayaths	500	75.1	252
488	Thrissur	Engandiyur	CWSS to NattikaFirka	2750	670	74
489	Thrissur	Eriyad	CWSS to MethalaEriyadEdavilangu and Kadukutty Panchayaths	2340	285	1032
490	Thrissur	Erumapetty	CARWSS to Kadangode and adjoining panchayats	500	60	38
491	Thrissur	Kadangode	CARWSS to Kadangode and adjoining panchayats	450	53	182
492	Thrissur	Kadappuram	Kunnumkulam-Guruvayur WSS/CWSS	3000	711	249
493	Thrissur	Kadavallur	Pavaratty Regional WSS	2800	429.94	11
494	Thrissur	Kadukutty	1.RWSS to Kallur- Vadakkumury 2.SPAN Kadukutty- Additional shift, replacement of Pumping main and distribution network, Raw Water pump set	1533	750	619
495	Thrissur	Kadukutty	1.RWSS to Kallur- Vadakkumury 2.SPAN Kadukutty- Additional shift, replacement of Pumping main and distribution network, Raw Water pump set	500	205.51	0
496	Thrissur	Kaippamangalam	CWSS to NattikaFirka	3732	1327	401
497	Thrissur	Kandanassery	RWSS to Kandanassery/RWSS to Mattom	330	94.94	313
498	Thrissur	Karalam	KPCTA - KaralamPadiyoor - Renovation of WTP (Aug),additional raw water pumpset, additional clear water pumpset at WTP and Vellani pump house	4466	377.95	126
499	Thrissur	Kattakampal	Pavaratty Regional WSS	1600	240.3	425
500	Thrissur	Kattur	KPCTA - KaralamPadiyoor - Renovation of WTP (Aug),additional raw water pumpset, additional clear water pumpset at WTP and Vellani pump house	2774	233.15	75
501	Thrissur	Kodakara	1.RWSS to Kodakara and 2.RWSS to Pulipparakkunnu	1976	340	1287
502	Thrissur	Kodassery	1.BWSS to Chaipankuzhy	30	4	31
503	Thrissur	Kodassery	JJM - Providing FHTCs to Thevelkkara Panchayat	500	234	0
504	Thrissur	Kolazhi	AUWSP Kolazhy, Kuttur, Pottore and adjoining areas,	1000	147	474

505	Thrissur	Kondazhy	RWSS to Mayannur RWSS to Chelakkode CARWSS to Thiruvilwamala and Kondazhy Villages	1300	176	468
506	Thrissur	Koratty	1. RWSS to Koratty 2. RWSS to Nalukkettu-Erattachira and 3. BWSS to Pongam - Additional shift, replacement of Pumping main & distribution network.	500	45	684
507	Thrissur	Koratty	JJM - Providing FHTCs to Thevelkkara Panchayat	3500	1599	0
508	Thrissur	Kuzhur	JJM - Providing FHTCs to Thevelkkara Panchayat	300	45.1	0
509	Thrissur	Mala	Jal Jeevan Mission : Providing FHTCs to Mala Panchayat	300	45.1	87
510	Thrissur	Manalur	TWSS - Rws to Manalur	1500	430	172
511	Thrissur	Mathilakam	CWSS to NattikaFirka	3150	1096	364
512	Thrissur	Mattathur	1. RWSS to Mattathur- Kadambode, 2. RWSS to Kavanadu and 3. RWSS to Annampadam-	3100	580	145
513	Thrissur	Melur	ARWSS to Meloor and AUWSS to Koratty- Replacement of distribution network and pipe line extension. Retrofitting of Filter media.	1888	1930	435
514	Thrissur	Mulamkunnathukavu	1) RWSS to Killannur, 2) RWSS to Poomala	1000	122	257
515	Thrissur	Mullassery	PRWSS - distribution network (Giving house connection is already in the scope of work)	6801	579	0
516	Thrissur	Mulloorkara	CWSS to Wadakkanchery and adjoining panchayats RWSS to Attoor.	300	37	75
517	Thrissur	Muriyad	Irinjalakuda Water Supply Scheme - providing water service connections.	636	52.6	216
518	Thrissur	Nadathara	RWSS to Nadathara	800	202.1	344
519	Thrissur	Nadathara	JJM - Providing FHTCs to Thevelkkara Panchayat	500	0	0
520	Thrissur	Nattika	CWSS to NattikaFirka	2450	837	328
521	Thrissur	Nenmanikkara	RWSS to Nenmanikkara- Source improvements, OHSR Renovation	1350	472	43
522	Thrissur	Orumanayoor	Kunnumkulam-Guruvayur WSS/CWSS	1425	407	331

523	Thrissur	Padiyur	KPCTA - KaralamPadiyoor - Renovation of WTP (Aug),additional raw water pumpset, additional clear water pumpset at WTP and Vellani pump house	1979	172.35	423
524	Thrissur	Pananchery	RWSS to Pananchery	1000	307	118
525	Thrissur	Panjai	CWSS to Wadakkanchery and adjoining Panchayats AUWSP to Chelakkara CT	1200	149	12
526	Thrissur	Paralam	ARWSS to Paralam- Replacing clear water pump set and pumping main (Aug)	1000	233	241
527	Thrissur	Parappukkara	RWSS to Thottipal- providing water service connection.	300	78.3	297
528	Thrissur	Pariyaram	RWSS to Pariyaram - Replacement of distribution net work.	2108	680	356
529	Thrissur	Pavaratty	PRWSS - Phase-II distribution network (Giving house connection is already in the scope of work)	6775	576	0
530	Thrissur	Pazhayanoor	Jal Jeevan Mission : Providing FHTCs to Pazhayanoor Panchayat	0	0.00	1
531	Thrissur	Perinjanam	CWSS to NattikaFirka	2500	767	444
532	Thrissur	Poomangalam	KPCTA - KaralamPadiyoor - Renovation of WTP (Aug),additional raw water pumpset, additional clear water pumpset at WTP and Vellani pump house	1849	161.65	177
533	Thrissur	Porkulam	Pavaratty Regional WSS	1300	224.2	140
534	Thrissur	Poyya	Jal Jeevan Mission : Providing FHTCs to Poyya Panchayat	300	45.1	75
535	Thrissur	Pudukkad	1. RWSS to Pudukkad and Alagappanagar, 2. BWSS to Soorya Gramam- Distribution line replacement.	3175	830	2
536	Thrissur	Punnayur	Pavaratty Regional WSS	1500	271.58	123
537	Thrissur	Punnayurkulam	Pavaratty Regional WSS	3800	455.3	341
538	Thrissur	Puthenchira	JJM - Providing FHTCs to Thevelkkara Panchayat	300	45.1	0
539	Thrissur	Puthur	1)RWSS to Puthur 2)RWSS to Vettukad 3)RWSS to Puzhmpallam 4)RWSS to Marottichal	1000	245	204
540	Thrissur	Sreenarayanapuram	CWSS to NattikaFirka	3800	1572	339
541	Thrissur	Thalikulam	CWSS to NattikaFirka	3800	1632	289
542	Thrissur	Thanniyam	KPCTA - Chazhur, ThanniyamAnthikkad	2350	1090	45
543	Thrissur	Thekkumkara	CARWSS to Thekkumkara and adjoining villages	600	71	109

544	Thrissur	Thiruvilwamala	RWSS to Thiruvilwamala CARWSS to Thiruvilwamala and Kondazhy villages	800	95	114
545	Thrissur	Tholur	RWSS to Tholur	300	66.38	300
546	Thrissur	Thrikkur	NRDWP -Augmentation of Thrikkur and Kallur Villages- Retrofitting of filter media, replacing motor pump sets,OHSR renovation	2235	465	161
547	Thrissur	Vadakkekkad	Pavaratty Regional WSS	2800	357.4	340
548	Thrissur	Vadanappally	CWSS to NattikaFirka	3350	1491	234
549	Thrissur	Valappad	CWSS to NattikaFirka	4600	1746	164
550	Thrissur	Vallachira	SPAN Urakam and Adjoining villages - Additional raw water pump set, pumping main, clear water sump and Filter media changing (Aug)	1318	312.3	333
551	Thrissur	Vallathol Nagar	RWSS to Cheruthuruthy and Nedumpura Villages	600	71	291
552	Thrissur	Varantherappilly	1. RWSS to Mupiyam, 2. RWSS to Varantherappilly, 3. RWSS to Parakkadavu (Thottumugham)	2892	820	688
553	Thrissur	Varavoor	CARWSS to Kadangode and adjoining panchayats	500	63	84
554	Thrissur	Vellangallur	JJM - Providing FHTCs to Thevelkkara Panchayat	300	45.1	0
555	Thrissur	Velukkara	Irinjalakuda Water Supply Scheme - providing water service connections.	50	4.2	47
556	Thrissur	Velur	RWSS to Velur	500	65	345
557	Thrissur	Venkidangu	Thrissur Water Supply Scheme	1500	436	428
558	Palakkad	Agali	JJM - Providing FHTCs to Thevelkkara Panchayat	3000	1350	0
559	Palakkad	Akathethara	Jal Jeevan Mission : Providing FHTCs to Akathethara Panchayat	0	0.00	2118
560	Palakkad	Alanallur	JJM - Providing FHTCs to Thevelkkara Panchayat	11862	4733.33	0
561	Palakkad	Alathur	JJM - Providing FHTCs to Thevelkkara Panchayat	6688	4333	0
562	Palakkad	Ambalappara	WSS to Ambalappara,BWSS to Nilampathy,RWSS to Akavanda,BWSS to Kalladi	1500	294.5	2521
563	Palakkad	Ambalappara	JJM - Providing FHTCs to Thevelkkara Panchayat	5182	3728	0
564	Palakkad	Anaganadi	RWSS to Pathamkulam BWSS to Pavukonam, BWSS to Tharuvakonam	500	109.67	1378
565	Palakkad	Anaganadi	JJM - Providing FHTCs to Thevelkkara Panchayat	3723	3974.2	0
566	Palakkad	Anakkara	CWSS to Anakkara, Pattithara&Kappur panchayaths	2500	384	874
567	Palakkad	Ayiloor	CWSS to Nemmara, Ayilur, Melarcode Pts.	5064	395.7	1321

568	Palakkad	Chalavara	JJM - Providing FHTCs to Thevelkkara Panchayat	5412	6901.6	0
569	Palakkad	Chalisseri	Pavaraty Regional WSS	1500	380	193
570	Palakkad	Elappally	Jal Jeevan Mission : Providing FHTCs to Elappally Panchayat	7613	1950	7
571	Palakkad	Elappally	CARWSS to Pattencherry& adj. Pts	2550	166.5	0
572	Palakkad	Elevancherry	CWSS to Kollengode& adj. Pts.	910	68.3	316
573	Palakkad	Elevancherry	JJM - Providing FHTCs to Thevelkkara Panchayat	2017	3900	0
574	Palakkad	Erimayur	JJM - Providing FHTCs to Thevelkkara Panchayat	3043	4752	0
575	Palakkad	Eruthempathy	JAL JEEVAN MISSION-Providing FHTCs for Kozhinjampara,Vadakarapathy and Eruthenapthy Grama Panchayths in PalakkadDist	3318	1635	2434
576	Palakkad	Eruthempathy	CARWSS to Kozhinjampara& adj. villages	3210	226.8	0
577	Palakkad	Eruthempathy	JJM - Providing FHTCs to Thevelkkara Panchayat	1082	0	0
578	Palakkad	Kadambazhippuram	WSS to Sreekrishnapuram& Adjoining Panchayths	1608	244.23	953
579	Palakkad	Kanjirappuzha	WSS to Karakurissi and adjoining Panchayaths	1600	201	1039
580	Palakkad	Kanjirappuzha	JJM - Providing FHTCs to Thevelkkara Panchayat	4635	1640	0
581	Palakkad	Kannadi	Jal Jeevan Mission : Providing FHTCs to Kanadi Panchayat	5707	1090.35	516
582	Palakkad	Kannadi	CWSS To KannadiKuzhalmannam and Thenkurissi	200	15	0
583	Palakkad	Kannampra	RWSS to Kannambra	1000	95.92	251
584	Palakkad	Kappur	CWSS to Anakara, Pattithara&Kappur panchayaths	4646	565	1309
585	Palakkad	Karakkurissi	WSS to Karakurissi and adjoining Panchayaths	1800	422.5	1179
586	Palakkad	Karakkurissi	JJM - Providing FHTCs to Thevelkkara Panchayat	2623	1160	0
587	Palakkad	Karimba	RWSS to Karimba	560	93.94	1551
588	Palakkad	Karimba	JJM - Providing FHTCs to Thevelkkara Panchayat	3701	3320	0
589	Palakkad	Karimpuzha	WSS to Karimbuzha Panchayath	1922	233.86	1671
590	Palakkad	Karimpuzha	JJM - Providing FHTCs to Thevelkkara Panchayat	2822	1409	0
591	Palakkad	Kavassery	JJM - Providing FHTCs to Thevelkkara Panchayat	7519	4333	0
592	Palakkad	Keralasseri	JJM - Providing FHTCs to Thevelkkara Panchayat	4140	2148	0
593	Palakkad	Kizhakkancherry	RWSS to Kizhakkencherry	1340	200.5	479
594	Palakkad	Kizhakkancherry	JJM - Providing FHTCs to Thevelkkara Panchayat	4000	4480	0
595	Palakkad	Kodumbu	CWSS to Kodumbu - Polpully Panchayaths	6239	1410	606
596	Palakkad	Koduvayur	UWSS to Koduvayur&Pudunagaram	2000	190.3	1080
597	Palakkad	Kollengode	CWSS to Kollengode& adj. Pts.	2588	198	1155
598	Palakkad	Kongad	JJM - Providing FHTCs to Thevelkkara Panchayat	10363	3320	0
599	Palakkad	Kongad	JJM - Providing FHTCs to Thevelkkara Panchayat	150	22.55	0
600	Palakkad	Koppam	WSS to Koppam&Vilayur Panchayaths	6898	1894	1290
601	Palakkad	Kottoppadam	JJM - Providing FHTCs to Thevelkkara Panchayat	9465	4733.33	0

602	Palakkad	Kozhinjampara	JAL JEEVAN MISSION-Providing FHTCs for Kozhinjampara, Vadakarapathy and Eruthenapthy Grama Panchayths in PalakkadDist	5274	2655	2574
603	Palakkad	Kozhinjampara	CARWSS to Kozhinjampara& adj. villages	2815	187.2	0
604	Palakkad	Kozhinjampara	JJM - Providing FHTCs to Thevelkkara Panchayat	3326	0	0
605	Palakkad	Kulukkallur	CWSS to Nellaya&Kulukkallur panchayaths	2700	426	1420
606	Palakkad	Kuthannur	CWSS To Peringottukurissi and Kuthanur	3646	377	294
607	Palakkad	Kuzhalmannam	CWSS To KannadiKuzhalmannam and Thenkurissi	900	62.74	360
608	Palakkad	Kuzhalmannam	JJM - Providing FHTCs to Thevelkkara Panchayat	4048	715.9	0
609	Palakkad	Lakkidi-Peroor	Jal Jeevan Mission : Providing FHTCs to Lakkidi - Peroor Panchayat	100	16.5	64
610	Palakkad	Malampuzha	Jal Jeevan Mission : Providing FHTCs to Malampuzha Panchayat	1704	2990	935
611	Palakkad	Malampuzha	JJM - Providing FHTCs to Thevelkkara Panchayat	1143	346.75	0
612	Palakkad	Mankara	JJM - Providing FHTCs to Thevelkkara Panchayat	200	30.06	0
613	Palakkad	Mannur	JJM - Providing FHTCs to Thevelkkara Panchayat	6719	2212	0
614	Palakkad	Marutha Road	PWSS TO PALAKKAD	1030	73	3914
615	Palakkad	Marutha Road	JJM - Providing FHTCs to Thevelkkara Panchayat	2922	1830	0
616	Palakkad	Mathur	JJM - Providing FHTCs to Thevelkkara Panchayat	5644	3887	0
617	Palakkad	Melarkkode	CWSS to Nemmara, Ayilur, Melarcode Pts.	4981	382.11	1105
618	Palakkad	Mundur	JJM - Providing FHTCs to Thevelkkara Panchayat	3914	630	0
619	Palakkad	Mundur	JJM - Providing FHTCs to Thevelkkara Panchayat	3913	1620	0
620	Palakkad	Muthalamada	CWSS to Kollengode& adj. Pts.	1942	141.94	865
621	Palakkad	Muthalamada	JJM - Providing FHTCs to Thevelkkara Panchayat	1684	2808	0
622	Palakkad	Muthuthala	RWSS to Muthuthala	4543	3847	768
623	Palakkad	Muthuthala	JJM - Providing FHTCs to Thevelkkara Panchayat	450	141	0
624	Palakkad	Nagalassery	Pavaraty Regional WSS	1500	390	565
625	Palakkad	Nallepilly	Jal Jeevan Mission : Providing FHTCs to Nallepilly Panchayat	4270	304.4	933
626	Palakkad	Nellaya	CWSS to Nellaya&Kulukkallur panchayaths	4167	623	1657
627	Palakkad	Nemmara	CWSS to Nemmara, Ayilur, Melarcode Pts.	3543	326.86	687
628	Palakkad	Ongallur	RWSS to Ongallur, BWSS to Perumbilavilpady, Maruthur, Kondurkkara, Manjalungal	8298	3339	413
629	Palakkad	Ongallur	RWSS to Ongallur	650	88	0
630	Palakkad	Pallassana	JJM - Providing FHTCs to Thevelkkara Panchayat	6058	5800	0
631	Palakkad	Paruthur	RWSS to Paradur& BWSS to Karambathur	4992	3752	982
632	Palakkad	Paruthur	RWSS to Paradur	700	173	0
633	Palakkad	Pattencherry	CARWSS to Pattencherry& adj. Pts	1365	143.5	1062

634	Palakkad	Pattithara	CWSS to Anakkara, Pattithara&Kappur panchayaths	2366	607	1976
635	Palakkad	Perumatty	CWSS to Perumatty Grama Pt.	2785	243.4	3163
636	Palakkad	Perungottukurissi	CWSS To Peringottukurissi and Kuthanur	3694	490	515
637	Palakkad	Peruvembu	UWSS to Koduvayur&Pudunagaram Pts	1200	127.8	827
638	Palakkad	Pirayiri	PWSS To PALAKKAD	1030	73	2047
639	Palakkad	Pirayiri	JJM - Providing FHTCs to Thevelkkara Panchayat	7969	4180	0
640	Palakkad	Polppully	CARWSS to Kodumbu - Polpully	3070	2117.21	1722
641	Palakkad	Pookkottukave	WSS to Sreekrishnapuram& Adjoining Panchayths	902	160.84	521
642	Palakkad	Puthucode	RWSS to Puducode	370	59	149
643	Palakkad	Puthucode	JJM - Providing FHTCs to Thevelkkara Panchayat	2461	4333	0
644	Palakkad	Puthunagaram	UWSS to Koduvayur&Pudunagaram Pts	2530	263.5	1395
645	Palakkad	Puthuppariyaram	PWSS TO PALAKKAD	1445	132	2366
646	Palakkad	Puthuppariyaram	JJM - Providing FHTCs to Thevelkkara Panchayat	4295	3270	0
647	Palakkad	Puthussery	PIF - WSS Pudussery& TM- WSS to Pudussery pt.	1800	135	5545
648	Palakkad	Puthussery	JJM - Providing FHTCs to Thevelkkara Panchayat	2500	4110	0
649	Palakkad	Sreekrishnapuram	WSS to Sreekrishnapuram& Adjoining Panchayths	909	165.57	1385
650	Palakkad	Tenkara	UWSS to Mannarkkad and Thenkara	300	64.66	630
651	Palakkad	Tenkara	JJM - Providing FHTCs to Thevelkkara Panchayat	6238	3300	0
652	Palakkad	Thachampara	WSS to Karakurissi and adjoining Panchayaths	800	114.13	973
653	Palakkad	Thachampara	JJM - Providing FHTCs to Thevelkkara Panchayat	2735	1670	0
654	Palakkad	Thachanattukara	RWSS to Thachanattukara	300	51.6	596
655	Palakkad	Thachanattukara	Jal Jeevan Mission : Providing FHTCs to Thachanattukara Panchayat	4721	4733.33	343
656	Palakkad	Tharur	RWSS to Tarur	1000	141.89	0
657	Palakkad	Thenkurissi	CWSS To KannadiKuzhalmannam and Thenkurissi	650	84	356
658	Palakkad	Thenkurissi	JJM - Providing FHTCs to Thevelkkara Panchayat	5083	999.75	0
659	Palakkad	Thirumittakkode	Pavaraty Regional WSS	2900	760	631
660	Palakkad	Thiruvegappura	Jal Jeevan Mission : Providing FHTCs to Thiruvegappura Panchayat	4107	3920	1398
661	Palakkad	Thrikkadeeri	JJM - Providing FHTCs to Thevelkkara Panchayat	6229	5042.93	0
662	Palakkad	Thrithala	Pavaraty Regional WSS	2400	660	448
663	Palakkad	Vadakarapathy	JAL JEEVAN MISSION-Providing FHTCs for Kozhinjampara,Vadakarapathy and Eruthenapthy Grama Panchayths in PalakkkadDist	5313	2880	3112
664	Palakkad	Vadakarapathy	CARWSS to Kozhinjampara& adj. villages	3435	256.8	0
665	Palakkad	Vadavannur	Jal Jeevan Mission : Providing FHTCs to Vadavannur Panchayat	3096	1650	591
666	Palakkad	Vallapuzha	Jal Jeevan Mission : Providing FHTCs to Vallapuzha	5746	2775	182

			Panchayat			
667	Palakkad	Vandazhi	JJM - Providing FHTCs to Thevelkkara Panchayat	6055	880	0
668	Palakkad	Vaniyamkulam	RWSS to Velliyad, BWSS to Cherukattupulam	7541	3107	71
669	Palakkad	Vellinezhi	WSS to Sreekrishnapuram & Adjoining Panchayths	898	158.37	674
670	Palakkad	Vilayur	RWSS to Vilayur	3866	1731	1084
671	Malappuram	A.R. Nagar	WSS to AR Nagar	5460	5371.00	24
672	Malappuram	Alangode	DAWSS to EDAPPAL & Adj. Pts	7850	1435.00	192
673	Malappuram	Aliparambu	JJM - Providing FHTCs to Thevelkkara Panchayat	500	75.10	0
674	Malappuram	Amarambalam	ARWSS to Amarambalam	2000	335.00	968
675	Malappuram	Anakkayam	WSS to Anakkayam	6306	2653.00	804
676	Malappuram	Angadippuram	JJM - Providing FHTCs to Thevelkkara Panchayat	9900	3020.00	0
677	Malappuram	Areekkode	NABARD aided WSS to Areacode	3980	670.00	56
678	Malappuram	Athavanad	CRWSS to THIRUNNAVAYA & Adj.Pts	6595	2400.00	1238
679	Malappuram	Chelambra	Jal Jeevan Mission : Providing FHTCs to Chelembra Panchayat	50	5.80	1
680	Malappuram	Chelambra	JJM - Providing FHTCs to Thevelkkara Panchayat	300	105.60	0
681	Malappuram	Cherukavu	WSS to Cheekode and Adjoining Villages	5091	1800.00	539
682	Malappuram	Chokkade	Jal Jeevan Mission : Providing FHTCs to Chokkade Panchayat	0	0.00	1
683	Malappuram	Chikkode	WSS to Cheekode and Adjoining Villages	5748	1800.00	212
684	Malappuram	Chungathara	JJM - Providing FHTCs to Thevelkkara Panchayat	300	45.00	0
685	Malappuram	Edakkara	RWSS to Edakkara	500	78.00	431
686	Malappuram	Edappal	DAWSS to EDAPPAL & Adj. Pts ,WSS to Ponnani and Adj GP	6591	1215.00	253
687	Malappuram	Edarikkode	JJM - Providing FHTCs to Thevelkkara Panchayat	100	15.05	0
688	Malappuram	Edavanna	WSS to Edavanna Panchayath	8585	1099.88	0
689	Malappuram	Edayoor	WSS to Edayur, Irimbilyam PTS and Valancheri Municipality	6961	935.00	8
690	Malappuram	Elamkulam	RWSS to Elamkulam	750	125.00	370
691	Malappuram	Irimpiliyam	WSS to Edayur, Irimbilyam PTS and Valancheri Municipality , RWSS to IRIMBLIYAM & VALANCHERY	500	653.00	770
692	Malappuram	Irimpiliyam	JJM - Providing FHTCs to Thevelkkara Panchayat	3695	0.00	0
693	Malappuram	Kalady	DAWSS to EDAPPAL & Adj. Pts ,WSS to Ponnani and Adj GP	5654	1150.00	216
694	Malappuram	Kalpakancheri	WSS to Valavannur and Kalpakancheri Pts	7568	1053.99	581
695	Malappuram	Kalikavu	Jal Jeevan Mission : Providing FHTCs to Kalikavu Panchayat	0	0.00	15
696	Malappuram	Kannamangalam	WSS to Kannamangalam	9163	1261.00	273
697	Malappuram	Karuvarakundu	JJM - Providing FHTCs to Thevelkkara Panchayat	200	30.05	0
698	Malappuram	Kavannur	WSS to Kavannur Village in Malappuram District	8861	1352.00	23

699	Malappuram	Keezhparamb	Jal Jeevan Mission : Providing FHTCs to Keezhparamb Panchayat	500	84.00	36
700	Malappuram	Kodur	RWSS to Kodur	1380	407.00	167
701	Malappuram	Koottilangadi	CARWSS to Moorkkanad& ADJ Villages	4256	1234.00	1879
702	Malappuram	Kuruva	CARWSS to Moorkkanad& ADJ Villages	7454	1851.00	0
703	Malappuram	Kuruva	Jal Jeevan Mission : Providing FHTCs to Kuruva Panchayat	200	40.80	1051
704	Malappuram	Kuttippuram	Jal Jeevan Mission : Providing FHTCs to Kuttippuram Panchayat	300	45.07	3
705	Malappuram	Kuzhimanna	Jal Jeevan Mission : Providing FHTCs to Kuzhimanna Panchayat	5548	1500.00	159
706	Malappuram	Makkaraparambu	CARWSS to Moorkkanad& ADJ Villages	3324	686.00	664
707	Malappuram	Mambad	RWSS to Mampad	500	140.00	68
708	Malappuram	Mangalam	JJM - Providing FHTCs to Thevelkkara Panchayat	80	12.04	0
709	Malappuram	Mankada	CARWSS to Moorkkanad& ADJ Villages	1000	310.00	161
710	Malappuram	Marakkara	CRWSS to THIRUNNAVAYA & Adj.Pts	7890	3050.00	1895
711	Malappuram	Marancherry	ARWSS to EZHAVATHURUTHY & Adj.Pts	95	16.00	99
712	Malappuram	Moorkkanad	CARWSS to Moorkkanad& ADJ Villages	6456	1419.00	1360
713	Malappuram	Munniyoor	Jal Jeevan Mission : Providing FHTCs to Munniyoor Panchayat	50	6.20	66
714	Malappuram	Muthuvalloor	WSS to Cheekode and Adjoining Villages	3380	1800.00	814
715	Malappuram	Nannambra	JJM - Providing FHTCs to Thevelkkara Panchayat	300	45.07	0
716	Malappuram	Nannamukku	DAWSS to EDAPPAL & Adj. Pts	7474	1384.00	121
717	Malappuram	Oorakam	Jal Jeevan Mission : Providing FHTCs to Oorakam Panchayat	50	7.55	115
718	Malappuram	Othukkungal	WSS to Othukkungal&Ponmala	7683	1151.00	396
719	Malappuram	Ozhur	JJM - Providing FHTCs to Thevelkkara Panchayat	350	52.60	0
720	Malappuram	Pallikkal	WSS to Cheekode and Adjoining Villages	9599	3000.00	0
721	Malappuram	Pandikkad	Jal Jeevan Mission : Providing FHTCs to Pandikkad Panchayat	50	8.40	60
722	Malappuram	Parappur	Jal Jeevan Mission : Providing FHTCs to Parappur Panchayat	400	60.08	1
723	Malappuram	Perumannaclari	JJM - Providing FHTCs to Thevelkkara Panchayat	350	52.60	0
724	Malappuram	Perumbadappu	ARWSS to EZHAVATHURUTHY & Adj.Pts	90	15.00	74
725	Malappuram	Peruvalloor	ARWSS to MTCP	10	1.60	8
726	Malappuram	Ponmala	WSS to Othukkungal&Ponmala	7106	1079.00	376
727	Malappuram	Pothukallu	JJM - Providing FHTCs to Thevelkkara Panchayat	100	47.00	0
728	Malappuram	Pothukallu	JJM - Providing FHTCs to Thevelkkara Panchayat	500	75.10	0
729	Malappuram	Pulamanthole	RWSS to Pulamanthole	5332	1685.00	397
730	Malappuram	Pulickal	WSS to Cheekode and Adjoining Villages	6054	1800.00	372
731	Malappuram	Pulppatta	JJM - Providing FHTCs to Thevelkkara Panchayat	400	60.10	0
732	Malappuram	Puzhakkattiri	CARWSS to Moorkkanad& ADJ Villages	3185	983.00	1787

733	Malappuram	Tavanur	WSS to Ponnani and Adj GP ,DAWSS to EDAPPAL & Adj. Pts	9993	1784.00	217
734	Malappuram	Thazhekkode	RWSS to Thazhekkode	200	41.00	173
735	Malappuram	Thenjippalam	ARWSS to MTCP	100	13.00	103
736	Malappuram	Thennala	JJM - Providing FHTCs to Thevelkkara Panchayat	275	41.31	0
737	Malappuram	Thirunavaya	CRWSS to THIRUNNAVAYA & Adj.Pts	8237	3226.00	1285
738	Malappuram	Thiruvalli	WSS to ThiruvalliPhaseII ,WSS to Thiruvalli and adjoining village	8412	1291.22	281
739	Malappuram	Thuvvur	RWSS to Thuvur	55	9.00	62
740	Malappuram	Urangattiri	Jal Jeevan Mission : Providing FHTCs to Urangattiri Panchayat	500	88.00	17
741	Malappuram	Urangattiri	JJM - Providing FHTCs to Thevelkkara Panchayat	500	75.10	0
742	Malappuram	Valavannur	WSS to Valavannur and Kalpakancheri Pts	7466	1043.00	1137
743	Malappuram	Vallikunnu	WSS to Pgd&Vallikunnu	250	33.20	221
744	Malappuram	Vattamkulam	WSS to Ponnani and Adj GP ,DAWSS to EDAPPAL & Adj. Pts	6463	1512.00	191
745	Malappuram	Vazhakkad	WSS to Cheekode and Adjoining Villages	6746	1800.00	286
746	Malappuram	Vazhayoor	WSS to Cheekode and Adjoining Villages	5746	1800.00	377
747	Malappuram	Vazhikkadavu	JJM - Providing FHTCs to Thevelkkara Panchayat	100	12.00	0
748	Malappuram	Veliyancode	ARWSS to EZHAVATHURUTHY & Adj.Pts	90	13.00	89
749	Malappuram	Vengara	JJM - Providing FHTCs to Thevelkkara Panchayat	100	15.05	0
750	Malappuram	Wandoor	RWSS to Wandoor	4000	614.00	654
751	Kozhikode	Atholi	Jal Jeevan Mission : Providing FHTCs to Atholi Panchayat	0	0.00	5
752	Kozhikode	Ayancheri	JJM - Providing FHTCs to Thevelkkara Panchayat	131	19.71	0
753	Kozhikode	Azhiyur	ARWSS To Azhiyur	300	68.02	302
754	Kozhikode	Balusseri	JICA Assisted Calicut and Adj: Panchayat	4713	1,266.00	228
755	Kozhikode	Chakkittapara	WSS to Perambra and adjoining villages	3300	1,650.00	37
756	Kozhikode	Changaroath	CWSS To Perambra and Adjoining Villages-Changaroath	210	38.00	187
757	Kozhikode	Chathamangalam	RWSS to Chathamangalam	752	241.70	128
758	Kozhikode	Chekyad	RWSS To Chekkiad	30	5.60	32
759	Kozhikode	Chelannur	JICA -Assisted KWSP-Kozhikode city and adjoining villages	3500	2,189.10	10
760	Kozhikode	Cherode	Jal Jeevan Mission : Providing FHTCs to Cherode Panchayat	300	45.06	10
761	Kozhikode	Edacheri	RWSS To Edachery	50	13.00	70
762		Eramala	Jal Jeevan Mission : Providing FHTCs to Eramala Panchayat	0	0.00	3
763	Kozhikode	Kadalundi	JICA Assisted WSS to Calicut and adjoining Panchayaths	3009	479.00	2577
764	Kozhikode	Kakkodi	JICA -Assisted KWSP-Kozhikode city and adjoining villages	6860	1,085.11	1266
765	Kozhikode	Kakkur	JICA -Assisted KWSP-Kozhikode city and adjoining villages	1500	455.63	1056
766	Kozhikode	Karassery	WSS to Koovapparamalamkunnu	80	21.60	129

767	Kozhikode	Kavilumpara	Jal Jeevan Mission : Providing FHTCs to Kavilumpara Panchayat	0	0.00	2
768	Kozhikode	Kayakkodi	WSS to Kunnummal And Adjoining panchayat-Kayakkodi	4580	1,551.60	19
769	Kozhikode	Kayanna	RWSS To Kayanna	70	13.00	74
770	Kozhikode	Kizhakkoth	WSS to Kizhakoth	100	24.30	109
771	Kozhikode	Kodencheri	ARWSS to Kodenchery	50	17.60	111
772	Kozhikode	Kodiyathur	RWSS to Kodiyathur	80	21.20	112
773	Kozhikode	Koothali	CWSS To Perambra and Adjoining Villages-Koothali	270	40.00	252
774	Kozhikode	Kottur	JJM - Providing FHTCs to Thevelkkara Panchayat	5950	2,820.00	0
775	Kozhikode	Kottur	JJM - Providing FHTCs to Thevelkkara Panchayat	250	37.57	0
776	Kozhikode	Kunnamangalam	JICA Assisted WSS to Calicut and adjoining Panchayaths	8504	3,082.64	2964
777	Kozhikode	Kunnummal	WSS to Kunnummal and adjoining panchayath	2500	668.60	288
778	Kozhikode	Kuruvattur	JICA -Assisted KWSP-Kozhikode city and adjoining villages	4261	812.00	655
779	Kozhikode	Kuttyadi	WSS to Kunnummal And Adjoining panchayat	3591	1,433.00	193
780	Kozhikode	Madavoor	WSS to Madavoor	50	17.70	88
781	Kozhikode	Mavoor	WSS to Mavoor	500	145.57	583
782	Kozhikode	Meppayur	Jal Jeevan Mission : Providing FHTCs to Meppayur Panchayat	0	0.00	13
783		Moodadi	Jal Jeevan Mission : Providing FHTCs to Moodadi Panchayat	0	0.00	1
784	Kozhikode	Nadapuram	WSS to Kunnummal And Adjoining panchayat	8476	3,328.30	132
785	Kozhikode	Nadauvannur	Jal Jeevan Mission : Providing FHTCs to Nadauvannur Panchayat	4008	1,883.20	5
786	Kozhikode	Nanmanda	JICA Assisted Calicut and Adj: Panchayat	5252	1,323.01	342
787	Kozhikode	Narikkuni	JICA Assisted WSS to Calicut and adjoining Panchayaths	6322	1,569.50	911
788	Kozhikode	Narippatta	WSS to Kunnummal And Adjoining panchayat-Naripatta	1400	320.00	188
789	Kozhikode	Olavanna	JICA -Assisted KWSP-Kozhikode city and adjoining villages-	12812	3,090.00	2931
790	Kozhikode	Omassery	JJM - Providing FHTCs to Thevelkkara Panchayat	81	11.35	0
791	Kozhikode	Onchiyam	Jal Jeevan Mission : Providing FHTCs to Onchiyam Panchayat	0	0.00	8
792	Kozhikode	Perambra	WSS to Perambra and adjoining villages	7112	3,238.00	6
793	Kozhikode	Perumanna	JICA -Assisted KWSP-Kozhikode city and adjoining villages-	7668	1,431.00	292
794	Kozhikode	Peruvayal	JICA -Assisted KWSP-Kozhikode city and adjoining villages	10456	2,892.00	0
795	Kozhikode	Purameri	RWSS To Purameri	70	17.00	75
796	Kozhikode	Thalakulathur	JICA -Assisted KWSP-Kozhikode city and adjoining villages	2000	1,839.00	167
797	Kozhikode	Thikkodi	Jal Jeevan Mission : Providing FHTCs to Thikkodi Panchayat	0	0.00	14
798	Kozhikode	Thiruvambadi	RWSS to thiruvanmbady	50	17.30	70
799	Kozhikode	Thuneri	WSS to Kunnummal And Adjoining panchayat	4670	2,220.00	92

800	Kozhikode	Thurayur	WSS to Koilandy and adjoining villages	3352	1,650.00	0
801	Kozhikode	Unnikulam	RWSS To Unnikulam-Sivapuram	400	75.96	414
802	Kozhikode	Valayam	WSS to Kunnummal And Adjoining panchayat	4607	1,820.00	132
803	Kozhikode	Vanimel	WSS to Kunnummal And Adjoining panchayat	5601	2,260.00	137
804	Kozhikode	Velom	RWSS To Velom	250	57.57	277
805	Kozhikode	Villiyappally	WSS to OnchiamChorode etc. villages	200	38.50	106
806	Wyanad	Ambalavayal	Jal Jeevan Mission : Providing FHTCs to Ambalavayal Panchayat	350	75.7	573
807	Wyanad	Edavaka	ARWSS to Thirunelli	400	84.5	329
808	Wyanad	Edavaka	JJM - Providing FHTCs to Thevelkkara Panchayat	1200	238	0
809	Wyanad	Kaniyambetta	Jal Jeevan Mission : Providing FHTCs to Kaniyambetta Panchayat	900	179.9	769
810	Wyanad	Kottathara	RWSS to Moopainad	1000	198	21
811	Wyanad	Meenangadi	Jal Jeevan Mission : Providing FHTCs to Meenangadi Panchayat	550	94.4	662
812	Wyanad	Moopainade	ARWSS to Padinjarethara and Thariyode	400	79.6	256
813	Wyanad	Mullankolly	Jal Jeevan Mission : Providing FHTCs to Mullankolly Panchayat	350	92.3	690
814	Wyanad	Muttill	Jal Jeevan Mission : Providing FHTCs to Muttill Panchayat	250	55.4	383
815	Wyanad	Nenmeni	Jal Jeevan Mission : Providing FHTCs to Nenmeni Panchayat	1500	296	3
816	Wyanad	Noolpuzha	Jal Jeevan Mission : Providing FHTCs to Noolpuzha Panchayat	225	45	7
817	Wyanad	Padinjarethara	ARWSS to Padinjarethara and Thariyode	670	147	152
818	Wyanad	Panamaram	JJM - Providing FHTCs to Thevelkkara Panchayat	1600	284	0
819	Wyanad	Poothadi	ARWSS to Krishnagiri, Ambalavayal and Purrakadi villages	1210	230	2
820	Wyanad	Pozhuthana	RWSS to pinnangode	100	24	2
821	Wyanad	Pulpally	ARWSS to Krishnagiri, Ambalavayal and Purrakadi villages	1000	148	1
822	Wyanad	Thariyode	RWSS to Vythiri	400	73	222
823	Wyanad	Thavinjal	JJM - Providing FHTCs to Thevelkkara Panchayat	998	196	0
824	Wyanad	Thirunelli	Jal Jeevan Mission : Providing FHTCs to Thirunelli Panchayat	150	36	201
825	Wyanad	Vengapally	WSS to Manathavady, Edavakka and Purranaore villages	300	65.7	192
826	Wyanad	Vellamunda	Jal Jeevan Mission : Providing FHTCs to Vellamunda Panchayat	0	0.00	9
827	Wyanad	Vythiri	Jal Jeevan Mission : Providing FHTCs to Vythiri Panchayat	450	141	169
828	Kannur	Alacode	WSS to Alakode&ArangamKarthikapuram	33	4.95	37
829	Kannur	Ancharakandy	WSS to Anjarakandy,Peralassery and adjoining panchayaths	3159	871.8	915
830	Kannur	Aralam	Aralam Tribal WSS (Jalanidhi)	1500	225.01	267
831	Kannur	Azhikode	NABARD Assisted WSS to Azhikkode	4000	595	1490

832	Kannur	Chapparapadavu	JICA WSS to Pattuvam& adjoining villages	3881	960	60
833	Kannur	Chembilode	WSS to Anjarakandy,Peralassery and adjoining panchayaths	5373	1216.45	870
834	Kannur	Chengalai	Bore well based puming scheme at Arimbra SC colony	38	9.998	1
835	Kannur	Cherukunnu	JICA WSS to Pattuvam& adjoining villages	1638	631	539
836	Kannur	Cheruthazham	WSS to Cheruthazham&Kunhimangalam	6884	6267	71
837	Kannur	Chirakkal	WSS to Kannur and Adjoining Panchayaths	2000	311	413
838	Kannur	Dharmadom	WSS TO DHARMADAM	4539	1048	1456
839	Kannur	Eranjoli	WSS to Anjarakandy,Peralassery and adjoining panchayaths	4193	899	376
840	Kannur	Erimam-Kuttoor	Rwss to Kuttur	500	159	167
841	Kannur	Eruvassy	RWSS to ChemberiAmzhathumchal RWSS to Pooparamba	55	8.25	56
842	Kannur	Ezhome	JICA WSS to Pattuvam& adjoining villages	2404	579	897
843	Kannur	Irikkur	Irikkur LWSS (Jalanidhi)	700	104.99	133
844	Kannur	Kadamboor	WSS to Anjarakandy,Peralassery and adjoining panchayaths	2911	651.56	849
845	Kannur	Kadannapalli-Panapuzha	JICA WSS to Pattuvam& adjoining villages	3777	896	86
846	Kannur	Kalliasseri	JICA WSS to Pattuvam& adjoining villages	5651	1390	2310
847	Kannur	Kannapuram	JICA WSS to Pattuvam& adjoining villages	2668	654	558
848	Kannur	Kathirur	WSS to Anjarakandy,Peralassery and adjoining panchayaths	4762	1092.09	132
849	Kannur	Keezhallur	WSS Kolachery	250	55	237
850	Kannur	Kelakom	Jal Jeevan Mission : Providing FHTCs to Kelakom Panchayat	0	0.00	10
851	Kannur	Kolacherry	WSS Kolachery	150	29	161
852	Kannur	Kolayade	Small Water Supply schemes at Kolayad GP - 5 nos (openwell based mini schemes)	340	81.6	0
853	Kannur	Koodali	WSS Kolachery	250	55	260
854	Kannur	Kottayam	WSS TO KOTTAYAM-CT	3420	696	934
855	Kannur	Kunjimangalam	WSS to Cheruthazham&Kunhimangalam	4578	3731	70
856	Kannur	Kurumathur	JICA WSS to Pattuvam& adjoining villages	7417	1493	135
857	Kannur	Kuttiyattoor	WSS Kolachery	150	29	170
858	Kannur	Madayi	WSS to Madayi	7501	2365	3523
859	Kannur	Malapattom	WSS to Irikkur and adjoining villages	1936	478	1523
860	Kannur	Mangattidom	Jal Jeevan Mission : Providing FHTCs to Mangattidom Panchayat	0	0.00	20
861	Kannur	Mattool	JICA WSS to Pattuvam& adjoining villages	5549	1092	1838
862	Kannur	Mayyil	Jal Jeevan Mission : Providing FHTCs to Mayyil Panchayat	150	30	155
863	Kannur	Mokeri	Jal Jeevan Mission : Providing FHTCs to Mokeri Panchayat	0	0.00	6
864	Kannur	Munderi	WSS Kolachery	50	7	60
865	Kannur	Muzhakkunnu	Jal Jeevan Mission : Providing FHTCs to Muzhakkunnu Panchayat	0	0.00	1

866	Kannur	Muzhappilangad	WSS to Anjarakandy,Peralassery and adjoining panchayaths	2809	549.13	1501
867	Kannur	Naduvil	RWSS to Naduvil	10	1.5	10
868	Kannur	Narath	WSS Kolachery	150	30	154
869	Kannur	Narath	Bore well based puming scheme at Kannadiparambu North Ambedkar Sc colony	16	4.88	0
870	Kannur	New Mahe	Jal Jeevan Mission : Providing FHTCs to New Mahe Panchayat	0	0.00	14
871	Kannur	Padiyur-Kalliad	ARWSS to Padiyoor and Vayathur	1700	405	1253
872	Kannur	Panniyannur	AUWSS TO PANNIYANNOOR	200	39	205
873	Kannur	Pappinisseri	JICA WSS to Pattuvam& adjoining villages	6299	1450	1109
874	Kannur	Pariyaram	JICA WSS to Pattuvam& adjoining villages	6902	1355	449
875	Kannur	Pattiom	WSS TO PATTIAM-CT	2810	1124	320
876	Kannur	Pattuvam	JICA WSS to Pattuvam& adjoining villages	2719	586	397
877	Kannur	Payyavoor	RWSS to Payyavoor, Ettupara&Vathilmada	70	10.5	73
878	Kannur	Peralassery	WSS to Anjarakandy,Peralassery and adjoining panchayaths	5027	1146.75	1883
879	Kannur	Peravoor	Jal Jeevan Mission : Providing FHTCs to Peravoor Panchayat	0	0.00	2
880	Kannur	Pinarayi	WSS to Anjarakandy,Peralassery and adjoining panchayaths	5288	1215	2321
881	Kannur	Ramanthali	WSS to ramanthali,RWSS to Ettikulam& RWSS to VengaraMoolakkadavu	4026	1180	1906
882	Kannur	Thillankeri	Bore well based puming scheme at AlayadKottath SC colony	30	7.75	0
883	Kannur	Thrippangotoor	Jal Jeevan Mission : Providing FHTCs to Thripangotoor Panchayat	0	0.00	1
884	Kannur	Udayagiri	Jal Jeevan Mission : Providing FHTCs to Udayagiri Panchayat	60	9	58
885	Kannur	Valapattanam	WSS to Kannur and Adjoining Panchayaths	200	80	258
886	Kannur	Vengad	WSS to Anjarakandy,Peralassery and adjoining panchayaths	5846	1272.76	236
887	Kasargod	Ajanoor	BRDC WSS to Ajanur	1800	331.2	1403
888	Kasargod	Badiyadka	ARWSS to Badiadka&Neerchal Villages	1133	314.26	219
889	Kasargod	Balal	RWSS to Maloth and Balal	1220	450	47
890	Kasargod	Bedadka	ARWSS to MunnadBedadka and Kuttikol Villages	5136	981.9	1104
891	Kasargod	Beloor	Bellur WSS (jalanidhi)	700	104.99	0
892	Kasargod	Chammanad	Jal Jeevan Mission : Providing FHTCs to Chammanad Panchayat	0	0.00	6
893	Kasargod	Chengala	WSS to Koppa	15	2.4	21
894	Kasargod	Cheruvathur	RWSS to Maicha and RWSS to Kadangod	500	145	481
895	Kasargod	East-Eleri	ARWSS to East Eleri	3708	927	0
896	Kasargod	Enmakaje	ARWSS to Enmakaje and adjoining Villages	3500	960	724
897	Kasargod	Kallar	Endosulfan WSS to Kallar& WSS to Kallar and Panathadi	1500	650	154

898	Kasargod	Kayyur-Cheemeni	Endosulfan WSS to KayyurCheemeni	5920	5545	13
899	Kasargod	Kodom-Bellur	WSS to KodomBelur	5200	1595	561
900	Kasargod	Kumbala	RWSS to Kumbala	1986	495	2
901	Kasargod	Kuttikol	ARWSS to MunnadBedadka and Kuttikol Villages	2139	536	611
902	Kasargod	Madhur	RWSS to Madhur	150	28.6	156
903	Kasargod	Madikkai	WSS to Madikkai	4925	2736.5	129
904	Kasargod	Mangalpady	ARWSS to Uppala and adjoining Villages	5240	1115	12
905	Kasargod	Manjeswaram	RWSS to Manjeswaram	4400	1090	7
906	Kasargod	Meenja	MeenjaSudhajala scheme (jalanidhi)	3223	966.9	0
907	Kasargod	Mogral-Puthur	RWSS to MogralPuthur and Pernadka	20	3.2	24
908	Kasargod	Muliyar	RWSS to Muliyar	398	69.13	335
909	Kasargod	Paivalike	Paivalike WSS (jalanidhi)	4385	1315.5	0
910	Kasargod	Pallikkara	BRDC WSS to Pallikkara	1420	347.93	1267
911	Kasargod	Panathady	WSS to Panathady and Kallar, Endosulfanwss to Panathady	1200	590	196
912	Kasargod	Pilicode	RWSS to Kunnathur	350	80.5	76
913	Kasargod	Thrikkaripur	RWSS to Trikaripur	100	62.6	147
914	Kasargod	Uduma	BRDC WSS to Uduma	1100	287.8	1012
915	Kasargod	Valiyaparamba	WSS to Oriyera	25	4.6	52
916	Kasargod	Vorkady	WSS to Vorkady and adjoining Villages-	3313	929	860
917	Kasargod	West-Eleri	WSS to West Eleri	4385	1249.28	38

Annexure 8

AMRUT- KWA- Status of works as on March 2021

SI No:	SAAP YEAR	NAME OF WORK	AS No:	AS DATE	AS AMOUNT (in Crore)	STATUS AS ON MARCH 2021	Physical Progress as on March 2021 (in %)	Expenditure during 2020-21 (Rs. in Cr)	Cumulative Expenditure as on March 2021 (Rs. in Cr)
TRIVANDRUM									
WATER SUPPLY SECTOR									
1	15-16	Improvement of water supply scheme - Construction of 75mld Water Treatment Plant at Aruvikkara - Phase I	G.O(Rt) No: 534/2017/LSGD	23/2/2017	70.00	Completed.	100%	16.01	53.46
2	16-17	Construction of smart office in Thiruvananthapuram - Kowdiar, Pongmoodu, Vellayambalam 2016-17	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	1.75	Pongumoodu office - Work completed(Inaugurated on 17/8/20.) Vellayambalam office - Work completed (Inaugurated on 7/8/20), Kowdiar office - Work is going on, Ground floor slab & beam concreting done & 1st floor beam & slab shuttering work, reinforcement work done & concreting	75%	0.15	0.25

						also done.			
3	16-17	Supplying and Installation of smart meters - Phase I				Meters supplied. Out of 390 meters 152 meters installed. (36%). Installation work is going on.	36%	0.00	0.01
4	16-17	Supplying and Installation of smart meters - Phase II	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	2.29	Agreement executed on 6.3.2019 Interlinking software work was entrusted with Kerala Start-up Mission & they failed to come up to the expectation. The supply & installation of smart meters were awarded to a different agency & they could not start work since the software development got delayed. Hence, Contractor have expressed their unwillingness to continue with the work & requested to relieve them. Work retendered on 03/02/2021. Due to		0.00	0.01

						single offer, extended till 18/02/2021. Tender is now opened. 4 offers received. Bids under scrutiny.			
5	17-18	Installation of Flow meters	G.O(Rt) No: 5/2018/LSGD	01-01-18	7.50	<p>Work includes installing flow meters of size 90mm to 1200mm in trunk mains and inlet/outlet of service reservoirs in TMC (53 Nos), Level Transmitter (20 Nos). Out of 53 Nos, 24 nos installed.</p> <p>11 numbers of Flow meter installation is possible only after getting permission from CMG.</p> <p>1200mm Flow Meter is one among them, which require at least 14 hours of shutdown in Aruvikkara-Peroorkada-Manvila MS pipeline.</p>	46%	1.92	1.98

	17-18	Replacement of the existing damaged pipe lines & Alteration of house connections of Thiruvananthapuram water supply scheme			15.00	Work split in to 32 works, all completed		1.46	14.88
6	17-18	Replacing existing 100 mm AC along Chakkalamukku - Societymukku	G.O(Rt) No: 3652/2017/LSGD	13-11-17	3.23	Work completed	100%		
7	17-18	Replacing existing 125 mm AC along Pipinmoodu - Golflinks road			0.53	Work completed	100%		
8	17-18	Replacing existing 80 mm AC along MonvilaUshus Nagar to Chenkodikkadu			0.17	Work completed	100%		
9	17-18	Replacing existing 150 mm CI along Mulavan Jn- Gowreesapattom-Pottakuzhy			0.52	Work completed	100%		
10	17-18	Replacing existing 100 mm AC along Mosque lane Pettah ward			0.28	Work completed.	100%		
11	17-18	Replacing existing 80 mm AC along Amabalamukku NCC road			0.57	Work completed	100%		
12	17-18	Replacing existing 100 mm AC along Vayalikkada - Madathunada road			0.64	Work completed.	100%		
13	17-18	Replacing existing 80 mm AC along Manvila - Pullukadu-Don bosco road			0.17	Work completed	100%		
14	17-18	Replacing existing 80 mm AC along AmbalamukkuMannadi Lane			0.20	Work completed.	100%		

15	17-18	Replacing existing 150 mm AC along Ambalamukku - Oolampara road			0.43	Work completed.	100%		
16	17-18	Replacing existing 100 mm AC along Varambassery road			0.56	Work completed.	100%		
17	17-18	Replacing existing 110 mm PVC along Thilak Nagar Parottukonam			0.23	Work completed.	100%		
18	17-18	Replacing existing 100 mm AC along Rajaji Nagar inThampanoor ward			0.46	Work completed	100%		
19	17-18	Replacing existing 150 mm AC along Arasumoodu to Thippatti temple road			0.29	Work completed.	100%		
20	17-18	Replacing existing 50 mm GI along Musaliar lane Pettah ward			0.07	Work completed.	100%		
21	17-18	Replacing existing 80 mm AC along Monvila tank to Thalavarambu Temple road			0.18	Work completed	100%		
22	17-18	Replacing existing 80 mm AC along Monvila Jn to Nirmalalayam road			0.16	Work completed.	100%		
23	17-18	Replacing existing 100 mm AC along Madathunada - Perappoor road			0.32	Work completed.	100%		
24	17-18	Replacing existing 100 mm AC along Vayalikkada to Kuravankonam			0.35	Work completed.	100%		
25	17-18	Replacing existing 100 mm AC along Kunnukuzhi road			0.57	Work completed.	100%		
26	17-18	Replacement of existing 150mm AC pipe with 160mm pvc			0.39	Work completed.	100%		

		<i>at Konchiravila area</i>						
27	17-18	<i>Replacement of existing 150mm AC pipe with 160mm pvc at Sreevaraham area</i>			0.51	<i>Work completed.</i>	100%	
28	17-18	<i>Replacement of existing 150mm AC pipe with 160mm pvc at Ariyankuzhy area</i>			0.96	<i>Work completed.</i>	100%	
29	17-18	<i>Replacement of existing 100mm GI pipe with 110mm pvc at Chalai area</i>			0.69	<i>Work completed.</i>	100%	
30	17-18	<i>Replacing existing damaged pipe and laying 160 mm pvc and altering existing connection to new line at Puthenkada Jn to Magattukadavu under Thirumala section</i>			0.55	<i>Work completed.</i>	100%	
31	17-18	<i>Replacing existing damaged pipe and laying 110 mm pvc and altering existing connection to new line at Mangattukadavu CSI Jn to Annoor under Thirumala section</i>			0.48	<i>Work completed.</i>	100%	
32	17-18	<i>Replacing existing damaged pipe and laying 110 mm pvc and altering existing connection to new line at Mangattukadavu to Swathy Nagar under Thirumala section</i>			0.11	<i>Work completed.</i>	100%	
33	17-18	<i>Replacing existing damaged pipe and laying 110 mm pvc and altering existing</i>			0.03	<i>Work completed.</i>	100%	

		<i>connection to new line at Thirumala to Puthenkada Jn under Thirumala section</i>							
34	17-18	<i>TWSS – Alteration of House connections to the JICA and Junnurm line in Cheriyamuttam area (Package 1)</i>			0.43	<i>Work completed</i>	100%		
35	17-18	<i>TWSS – Alteration of House connections to the JICA and Jnnurm line in Poonthurachurch area (Package 2)</i>			0.32	<i>Work completed</i>	100%		
36	17-18	<i>TWSS MACE AMRUT Proposal-Providing new connection and alterations of house connection from JICA/JUNNRUM Project laid lines in Bheemapally, Bheemapally east and Manikavilakam wards under Kuriathy section (Package 3)</i>			0.33	<i>Work completed</i>	100%		
37	17-18	<i>Replacement of 100mm AC pipes and laying 110mm PVC at Mankeezh line at Sreevaraham under Kuriathy section</i>			0.31	<i>Work completed</i>	100%		
	17-18	<i>Replacement of old and damaged pipelines of Trivandrum water supply scheme & alteration of house connections -Phase II</i>	G.O(Rt) No: 516/2018/LSGD	22-02-18	2.50	Work split in to 7 works and all completed		1.05	2.65
38	17-18	<i>Replacing old AC main with 140mm,110mm and 90mm PVC pipes along Sreerangam</i>			0.80	<i>Work completed</i>	100%		

		<i>lane, Elankom gardens, judge lane in Sasthamangalam ward</i>						
39	17-18	<i>Replacing old AC service main pipes with 110mm, 90mm, UPVC Pipes at CSM Nagar in Vazhuthacaud ward, Thiruvananthapuram</i>			0.44	<i>Work completed</i>	100%	
40	17-18	<i>Improvement of water supply to Kallampally&Periyam adam area by interconnecting with 110 mm PVC pipe</i>			0.09	<i>Work completed.</i>	100%	
41	17-18	<i>Replacing old AC main and Laying of 110 mm PVC 6kg/cm2 pipe at Vellayani Junction,Studio Road to Palnkalamukku, Nemom ward.</i>			0.19	<i>Work completed</i>	100%	
42	17-18	<i>Replacing old AC pipes with 110mm PVC pipes along Gandhi Nagar lane, Tagore Nagar, in Vazhuthacaud Ward, Thruvananthapuram</i>			0.13	<i>Work completed</i>	100%	
43	17-18	<i>Replacing old AC service main pipes with 110mm, 90mm UPVC pipes at Udarasiromany Road and Palottukonam in Vazhuthacaud ward, Thiruvananthapuram</i>			0.64	<i>Work completed.</i>	100%	
44	17-18	<i>Replacing old AC service main pipes with UPVC main along Panickers Lane and Mangalam Lane in Sasthamangalam</i>			0.21	<i>Work completed.</i>	100%	

		Ward, Thiruvananthapuram							
		TOTAL			99.04				
KOLLAM									
WATER SUPPLY SECTOR									
45	15-16	Replacement of contaminated AC pipe lines in Kollam Corporation - Laying distribution main from Pazhayattukuzhy OHSR to Ammannada Division in Kollam Coporation(250mm DI K9 pipe -2500m).	G.O(Rt)No: 1329/2016/LSGD	26/3/2016	6.59	Work Completed	100%	0.00	0.96
46	15-16	Extension of 250mm DI K9 pipe line from Madan Nada Junction to Polayathodu Junction in Kollam Corporation 250mm DI K9 pipe- 1000m).				Work Order issued on 27/01/2020 Agreementexecuted on 05-02-2020. Work in progress 950 metre pipe laid.	95%	0.39	0.87
47	15-16	Replacement of contaminated AC pipe lines in Kollam Corporation - Laying distribution main from Andamukkam, Thamarakulam, Contonment area from OH tank near Parvathy mill, Chinnakada to Mundakkal beach area from no: 3/4 (250mm DI K9 pipe -3500, 110mm PVC - 2500m, 63mm ASTM pipe -				Work completed.	100%	0.02	2.67

		750m).							
48	15-16	Improvement of Kollam WSS Division No. 7 to 11 in Kollam Corporation (Laying 110mm PVC 2500m, 90mm PVC 4500m).				Work completed.	100%	0.00	0.40
49	15-16	Improvement of Kollam WSS Division No. 7 to 11 in Kollam Corporation - Replacement of damaged pumpset.				Work completed.	100%	0.00	0.08
50	15-16	Replacement of 50HP/75HP VT pumpsets at booster pumphouse at Ananathavalleeswaram .				Work completed.	100%	0.00	0.55
51	15-16	Supply,errection and commissioning of Chlorinator system to Tubewell pumphouses in Kollam corporation.				Work completed.	100%	0.00	0.09
52	15-16	Supply,erection and commissioning of Chlorinator system to booster pumphouse at Ananathavalleeswaram with supply of 100Kg Chlorine cylinder.				Work completed.	100%	0.00	0.09
	15-16-17-18	Augumentation of water supply scheme Kollam 2015-16, 2016-17, 2017-18	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 31/2020/LSGD	28/9/2017 Revised A.S 03/01/2020	92.08				

53		Construction of weir at Njankadavu across Kallada river			18.28	Construction of weir executed through Irrigation Dept. Pile load test & Excavation for retaining wall started. Owing to increase in height of ring bund, contractor is not willing to continue the work.	5%	0.04	0.04
54		Supplying laying commissioning and maintaining 500mm DI K9 CWPM from TP to OHSR at Vadakkevila (3520m)			4.33	Work completed	100%	0.39	3.09
55		Design, Construction, Commissioning and maintaining of 100MLD WTP at Vasoorichira			11.42	<i>24 nos columns in CWR area first lift completed. Shuttering work in CFL1 inner circle. Side wall shuttering work and reinforcement work for columns in CWR area. Excavation in CFL2 completed.</i>	8%	0.00	0.02
56		Clear Water Pumping main from WTP to 20LL OHSR at TP using 350mm DI			0.10	Work order issued. But the bidder informed that he is not willing to execute the work at LMR. Hence, cancelled. Work retendered on 29/01/2021. No offer. The tender cancelled and to be arranged departmentally		0.00	0.00

57		Transformer powerline extension at TP site (KSEB work)			2.75	This work executed through KSEB. Out of 4.5 km of power line extension at Njankadavu 4.2 km of work was completed by laying under groundcables. Remaining portion to be laid with ABC cable. Now 96 % of ABC (Areal Bunched Cable) work completed by KSEB. .	96%	0.00	2.42
58		Construction of 12m dia intake well at Njankadavu			1.93	Work completed	100%	0.68	1.78
59	16-17	Providing new water connection in Kollam Corporation 2016-17.	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O.(Rt)No.577/2021/LSGD	15/08/2017 Revised A.S 24/02/2021	9.28	Out of 10000 water connections, 8324 Nos of water connections given. Revised A.S received for Rs. 9.275 Cr. Revised TS sanctioned on 16/03/2021. Additional agreement executed on 23/03/2021 for providing balanced connection as per revised TS.	83%	2.38	6.83
60	17-18	Providing new water connection in Kollam Corporation 2017-18.	G.O(Rt) No: 3652/2017/LSGD	13/11/2017	7.90	Work in progress 2752 connections given (Out of 5820 connections) and work is in progress	47%	0.92	0.92
		TOTAL			115.85				

ALAPPUZHA									
WATER SUPPLY SECTOR									
	15-16	Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality (Phase-I)			33.9	Work split in to 8 packages			
61	15-16	Construction of 21 LL Capacity OHSR at Kommadi (Zone-1)	G.O(Rt) No: 534/2017/LSGD	23/2/2017	9.27	Completed	100%	0.60	4.39
62	15-16	Construction of 12.00LL Capacity OHSR at Thathampally (Zone-IV)			6.50	Completed	100%	1.22	2.78
63	15-16	Construction of 10 LL Capacity OHSR at Pazhavangadi (Zone-VI)			5.72	Completed	100%	0.58	3.05
64	15-16	Construction of 28 LL Capacity OHSR at Valiyakulam (Zone-VII)			11.31	Fifth stage column work reinforcement started, brick work progressing, plastering progressing.	55%	4.51	4.51
65	15-16	Digital Survey & Design of Network			0.50	Completed	100%	0.00	0.16
66	15-16	Providing Bulk Meters			0.12	The work was tendered 3 times. Since there is no participation in the retender on 12.02.2021, estimate is recasted. The existing rate of the flow meter was prepared in 2012. Now the market rate		0.00	0.00

						<i>has increased.</i>			
67	15-16	Setting up 24 x 7 Customer Care Facility			0.20	<i>The work was tendered 4 times. Since no offer, invited quotation and still nil offer.</i>		0.00	0.00
68	15-16	Setting up Water Kiosks			0.12	<i>Completed</i>	100%	0.00	0.00
	16-17	Water Supply Sector-Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality (Phase-II)				Work divided in to 2 components		10.25	46.27
69		Pipe laying	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 781/2021/LSGD	02.11.201 7 Revised A.S 26.03.202 1	59.11	<i>Out of 126 km, 107 km laid. House connection work in progress. Saction from PWD is being awaited for 2 roads. In the meeting held on 12.04.2021 in Collectorate, oral permission received for laying in one road.</i>	88%		
70		Setting up water kiosk				Work completed except trial run.	95%		
	17-18	Augmentation and modernization of water supply distribution system in Alappuzha	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No:	02.11.201 7 Revised A.S	67.22	Work divided in to 2 components		11.09	46.00

		Municipality (Phase-3)	781/2021/LSGD	26.03.2021					
71		Pipe laying				Out of 191.5 km, 137 km laid. Pipe laying work progress in Nehrutrophy ward. Saction from PWD is being awaited for 6 roads. In the meeting held on 12.04.2021 in Collectorate, oral permission received for laying in one road.	74%		
72		Setting up water kiosk				Out of 10 kiosks, 2 nos completed, 6 nos in final stage of completion, 2 nos delayed due to site constraints.	73%		
		TOTAL			160.22				
KOCHI									
WATER SUPPLY SECTOR									
73	15-16	Replacement of existing 525mm distribution cum pumping main with 600mm rider pumping main from Karuvelippady to Koovappadam in Kochi Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	3.65	Pipe line laying completed. Construction of dismantled portion of compound wall at office compound is in progress.	99%	0.00	2.38

74	15-16	Construction of 15L Ltrs. capacity GL tank at Karuvelippady in Kochi Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	3.20	Work completed	100%	0.00	2.88
75	16-17	Replacement of old 250mm CI pipe by 300mm DI K9 pipe along Konthuruthi road of Kochi Corporation.	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O(Rt) No: 5/2018/LSGD	15/08/2017 Revised A.s 01/01/2018	0.82	Work completed	100%	0.00	0.69
76	16-17	Replacement of 100mm AC pipe by laying rider line of 160mm PVC CL 5 along both side at Pandit Karupan road of Kochi corporation. (Revised A.S)	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	15/08/2017 Revised A.S - 04/01/2020	1.75	Work completed	100%	0.00	1.60
77	16-17	Replacement of 100mm CI pipe by laying 160mm and 110mm PVC pipes from Valanjambalam to Ravipuram in Kochi corporation 2016-17.	15/08/2017	15/08/2017	0.66	Work completed	100%	0.00	0.68
78	16-17	Laying of 450mm DI K9 pipe from north end of AroorEdakochi bridge to KWA water tank site at Edakochi, Kochi corporation 2016-17. (Revised A.S)	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	15/08/2017 Revised A.S - 04/01/2020	1.67	Work completed	100%	0.00	1.59

79	16-17	Laying pumping main of 500mm DI pipe from JnNURM WTP at Maradu to Pumphouse at Thammanam for additional pumping of water (upto 18 MLD) to Kochi city in Kochi Corporation 2016-17.	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	16.50	Pipe supply completed -5900 m.2523 m laying completed Permission from NHAI and Railway pending.	36%	0.00	5.68
80	16-17	Laying rider main form Kathrikadavu to Elamkulam, Chettichira, Ponnuranni areas and distribution lines in Chakkaraparambu, Chalikkavattom areas 2016-17 (Revised A.S)	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	15/08/2017 Revised A.S - 04/01/2020	3.65	Completed	100%	0.42	3.22
81	16-17	Construction of 17LL OHSR and CWR at Pachalam.	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	7.75	Sump wall casting in progress.	33%	2.43	2.43
82	16-17	Construction of 15LL OHSR and 2LL CWR at Vadathode, Cheranalloor.	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	7.75	Sump completed. OHSR side wall deshuttering work completed at both inside and outside portion. 7th flight of staircase concreting completed. Shuttering work of top roof slab and beam is in progress.	76%	0.29	2.22

83	16-17	Construction of 10L Ltrs capacity OHSR at Thevara.	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	5.60	Work completed on 24/9/2019	100%	1.23	3.88
84	16-17	Water supply sector - Kochi Corporation - Laying 500mm DI line from pumphouse at Thammanam to OHSR at Kadavanthara. (Revised A.S)	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	02/11/2017 Revised A.S 04/01/2020	7.76	Pipe laying completed except in railway crossing portion. Trial run can be done after the railway crossing work at Ponnurunni is completed.	99%	1.26	7.10
85	16-17	Laying of 500mm transmission line from Karthikadavu to proposed Pachalam CWR	G.O(Rt) No: 3530/2017/LSGD	02-11-17	10.70	Work in progress. Out of 4620 m pipe laying, 4176 m completed. Pressure testing in ThammanamPullepady road and MS work in progress.	94%	1.99	8.47
86	17-18	Construction of 13 LL Capacity OHSR at Edakochi	G.O(Rt) No: 3530/2017/LSGD	02-11-17	6.00	Reinforcement work of pile cap and plinth beam in progress	30%	1.59	1.59
87	17-18	Construction of 25 LL OHSR at Karuvelppady	G.O(Rt) No: 3530/2017/LSGD	02-11-17	11.65	Out of 64 piles, casting of 64 piles completed. Pile load test completed. Pile chipping work in progress.	25%	0.00	0.00

88	17-18	Construction Of 40 LL Capacity OHSR at Kaloor	G.O(Rt) No: 3530/2017/LSGD	02-11-17	15.00	Casting of stage 3 columns of OHSR in progress.	47%	7.42	7.42
89	17-18	Laying 400 rnm DI K9 pipeline from Perumanoor to Ravipuram for a length of 1270m	G.O(Rt) No: 3530/2017/LSGD	2/11/2017	4.40	Pipe supplied completely & work started. Due to presence of so many utilities existing in the heavily traffic road, work couldnot be continued.The deviation proposed by KWA was not accepted by the Worshipful Mayor. The work was stopped as per the directions issued by the worshipful Mayor in the meeting held on 06/05/2019. As directed on 9/10/2020 by the Additional Chief Secretary, the District Collector has convened a meeting on 22/10/2020 with Worshipful Mayor, Corporation Authorities,KWAoff	26%	0.00	1.38

					<p>icials in presence of the Hon'ble MLA Sri. P.T.Thomas. Considering the space constraints due to the presence of number of existing pipes and cables in Old thevara road and MG road and difficulty in crossing MG road , KWA has suggested to use the existing 450mm CI pipe for 870m from Perumanoor pump house in the same alignment of 400mm DI pipe and to lay balance 400mm DI pipe for 400m to the existing OHSR at Ravipuram.As directed by the Worshipful Mayor, the District collector has instructed to test the 450mm CI pipe and to Check the stability of OHSR at Ravipuram. Provision for stability checking of OHSR is in the agreement of the work. Hence, the contractor was directed to carry out the same through letters and over</p>		
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					<p>phone. Now, the contractor expressed unwillingness to resume the work, 30 months after the expiry of the agreement period. It is also reported that Ravipuram tank site is fully water logged, hence filling work and provision of drains should be done, for which an additional amount of Rs.10 lakh is required.</p> <p>The project cost including 2.96 % tender excess quoted by the contractor and additional amount needed for doing filling work comes to Rs.231.7 lakh which is within the already accorded AS amount of Rs.440 lakh.</p> <p>Submitted agenda note to SMMU-AMRUT for getting sanction from SHPSC fo preclosing the work and arranging the balance work alternatively.</p>			
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	17-18	Replacement of 5000 damaged Service water connections				Work split in to 7 packages, Out of this, 4 packages executing by PH Division Kochi & 3 packages executing JnNURM Division Kochi		0.01	0.23
90		<i>Karuvelippady Sub division (Domestic-950, Non Domestic-100)</i>				<i>Work completed</i>	100%		
91		<i>Kaloor Sub Division (Domestic-300, Non Domestic-90)</i>				<i>Work in progress. Out of 390 Nos, 225 nos completed. (204 domestic and 21 Non Domestic)</i>	57%		
92		<i>Vyttila Sub Division (Domestic-600, Non Domestic-160)</i>				<i>Work completed</i>	100%		
93		<i>Pallimukku - W.W. Sub Division, Kochi - 16 (Domestic-750, Non Domestic-100)</i>				<i>31% completed</i>	31%		
94		<i>Shifting of existing water connections in Vennala-Janatha road, Arakkakadavu road and Subhash Chandra Bose road</i>				<i>Total connections shifted 315 nos</i>	100%		
95		<i>Pandit Karuppan Road</i>				<i>Work completed</i>	100%		
96		<i>Valanjambalam-Ravipuram Road</i>				<i>Work completed</i>	100%		
			G.O(Rt) No: 3530/2017/LSGD	02-11-17	5.00				

		TOTAL			113.51				
THRISSUR									
WATER SUPPLY SECTOR									
97	15-16	Survey and Replacing of Faulty water meters and fixing new water meters at various service connections in Thrissur Corporation area.	G.O(Rt)No: 1329/2016/LSGD	26/3/2016	3.00	All works completed .except connection work. 378nos connections given out of 500.	86%	0.01	1.33
98	15-16	Supply and installation of bulk flow water meters in transmission main and distribution system.	G.O(Rt)No: 1329/2016/LSGD	26/3/2016	1.00	Work completed on 27.06.2018	100%	0.00	0.35
99	15-16	Supplying and laying 700mm DI K9 raw water gravity main from dam to aerator of 36 MLD WTP at Peechi.	G.O(Rt)No: 1329/2016/LSGD	26/3/2016	1.00	Work completed on 18.10.2018	100%	0.14	0.93
100	15-16	Strengthening the existing distribution system to Thrissur Corporation area - Replacement of very old 80/100/125/300 AC and 700mm PREMO pipes with 110/140 PVC and 200/300/350mm DI pipes at varoius places in Thrissur Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	14.40	Work consists of 1)350 MM DI K9-1071 M 2) 300 MM DI K9-479 M 3) 250 MM DI K9-500 M 4)200 mmDI K9-9156.5 M 5)160 mm PVC-23634 M Out of 34.9 km, 28.211 km laid so far.	82%	1.34	5.62
101	15-16	Renovation of existing damaged pump houses in Thrissur	G.O(Rt) No: 534/2017/LSGD	23/2/2017	0.55	Work completed	100%	0.35	0.35

		Corporation.							
102	15-16	Rehabilitation of Thrissur Corporation WSS to Koorkancherry Zone - Supply and laying seperate branched gravity main of 400mm DI K9 and replacement of 700mm PREMO with 700mm DI K9 pipe, and supply erection and commissioning of 65HP centrifugal motor pumpset for replacing of existing old pumpsets - 2nos at Koorkancherry sump allied works.	G.O(Rt) No: 534/2017/LSGD Revised A. S G.O.(Rt)No.1390/2020/LSGD	23/2/2017 Revised A. S 23/7/2020	3.71	Work completed	100%	0.26	3.70
103	15-16	Completion of ongoing schemes - UWSS to Ollur and Edakkunni census town villages in Thrissur Corporation - Construction of 20L Ltrs capacity OHSR at Ollur and supplying, laying distribution lines and construction of retaining wall at WTP Arattupuzha.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	11.40	20 Lakh litres capacity OHSR at Industrial Estate, Ollur - Completed, Finishing work onging. Laying distribution lines - 98% completed. WTP Compound wall - In progress	96%	6.37	11.52

104	15-16	Design, construction and commissioning of 3 MLD WTP, reservoir and pumping main for Ollukkara zone	G.O(Rt) No: 516/2018/LSGD	22/2/2018	6.00	Land not handed over from Thrissur corporation. In the meeting convened by Principal Secretary,LSGD on 4.3.2021, the Secretary Thrissur Corporation was directed to do the needful for making available the land to KWA.		0.00	
105	16-17	Construction of new treatment plant of 20MLD WTP at Peechi - Phase I	G.O(Rt) No: 3170/2017/LSGD	28-09-17	17.30	WTP fully functional. Road formation work in progress.	98%	6.45	7.74
106	16-17	Replacement of very old 80/100/125/200/300 AC pipes with 160PVC and 200/300/mm DI pipes at various places in Thrissur corporation	G.O(Rt) No: 3530/2017/LSGD	02-11-17	12.95	Out of 37.3 km, 36.8 km laid so far. Pipe line work at MannuthyParavattany is in progress.	95%	0.76	9.80

107	16-17	Zoning and mapping of water supply system of Thrissur Corporation-Supply and Laying of various dia pipes-Part-1	G.O(Rt) No: 5/2018/LSGD	01-01-18	8.00	Work completed.	100%	1.68	6.02
108	17-18	Zoning and mapping of water supply system of Thrissur Corporation-Supply and Laying of various dia pipes-Part-2	G.O(Rt) No: 5/2018/LSGD	01-01-18	17.00	Out of 18.42 km, of distribution network (600mm to 200mmDI pipe),12.24 km completed.	63%	1.04	10.24
109	17-18	Laying of distribution lines from existing OHT at Kizhakumpattukara to Nellikunnu area for around 15 km with varying dia pipelines-(Dia 200 mm DI to 110 mm PVC	G.O(Rt) No: 3652/2017/LSGD	13/11/2017	6.00	Out of 115.77 km, 71.26 km laid.	59%	0.00	1.69
110	17-18	Providing Dedicated Feeder from 33KV PattikkadSub station to Pumping Water Treatment Plant.	G.O(Rt) No: 3530/2017/LSGD	02-11-17	3.00	Dedicated feeder line completed. 1000KVA Indoor transformer supplied. Transformer room civil work is in progress. Transformer room roof slab concrete completed. Wall plastering work is completed, flooring in progress.	81%	0.00	2.15
111	17-18	Construction of 10LL OHSR at Anappara with pumping system	G.O(Rt) No: 3530/2017/LSGD	02-11-17	8.00	Completed.	100%	1.85	11.10

		and pumping main from Cherur to Anappara- Improvements of water supply system in Dn. 6, 7 and 8 of Thrissur Corporation- Part -1							
112	17-18	Supplying and laying distribution lines for Anappara Villadom area improvement of water Supply System in Dn.6,7 and 8 of Thrissur corporation- Part 2	G.O(Rt) No: 3530/2017/LSGD	02-11-17	5.80	Completed.	100%		
113	17-18	Construction of 5LL OHSR at Kuttanallur with gravity main and distribution network	G.O(Rt) No: 3530/2017/LSGD	02-11-17	8.00	Laying of CWGM (20LL OHSR at Ollur to Kuttanellur Sump) 250mm DI K-9 Pipe - 3.79/4.272 km completed. Laying of Distribution Network - 5.38km /6.12 km completed. Construction of Valve chambers in progress. Construction of OHSR cum sump to be started,- The site of OHSR cum sump was not handed over by Thrissur Corporation during the time of estimate preparation and so was not able to conduct the soil investigation. Hence, raft foundation was	55%	0.02	4.61

						<p>proposed for the 5 LL OHSR cum sump in the NIT. Later the contractor conducted the soil test and as per the results of the soil test, in the design approved by the Chief Engineer (WASCON) the foundation is combined raft with pile. Based on this design, CE (CR) approved the estimate for pile foundation for an amount of Rs. 16,50,000/-, as extra item of the work. The Contractor informed that, he will execute the work using pile foundation only if a revised estimate for the construction of pile foundation is sanctioned at the prevailing local market rate.</p>			
114	17-18	Floating intake structure at Peechi Reservoir	G.O(Rt) No: 5/2018/LSGD	01-01-18	5.00	<p>100% pipe supplied, 800 mm DI -302m laid out of 318m 700mm DI 56m laid out of 108m, Pump set with accessories supplied, Material of floating intake supplied, Control</p>	60%	1.68	1.69

						panel board room completed, Floating intake structure assembly is in progress at Peechi Dam reservoir. Floating pontoon assembly completed. Pump and motor erection work started.			
		TOTAL			132.11				
GURUVAYUR									
WATER SUPPLY SECTOR									
115	15-16	Improvements of coverage in Guruvayur Municipality - Laying distribution network for improvement of coverage in Guruvayur town area & Pookode zone.	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	16.67	Out of 41.18 Km, 37.885 km pipe laid & interconnection works completed.	96%	0.00	10.11

116	16-17	Construction of 10 LL OHSR and pumping main to Guruvayur, and balance distribution network to the Municipality.	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	17.74	Out of 9300 M, 2535 m pipe supplied and 400 m laid by the contractor of the original work, Sri.Paulose Abraham, The location of site of OHSR was changed two times due to public protest and other technical reasons. The 3rd site selected by Corporation and KWA was not accepted by the contractor. He approached the Hon'ble High Court of Kerala vide WP(C) No 26151 of2020 requesting either to relieve him off the work or to allow 10% enhancement in rate due to change in design parameters. The Hon'ble High Court directed to consider the request of the contractor. The Managing Director, KWA after conducting a detailed discussion with KWA Engineers and Contractor, decided to terminate the contract and to	7%	1.13	1.14
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						<p>retender the balance work. Accordingly SE, Thrissur terminated the above work and initiated to arrange the balance works by splitting into small works, due to urgency. 750m of CWPM laying works laid.</p> <p>Construction of 10LL OHSR was tendered seperately and tender opened on 02/03/2021 and submitted to HO. Two offers received. The lowest quoted rate is of 23% above TPAC. The tender committee of H.O decided to award the work to the lowest bidder, at the maximum rate of 10% above the TPAC of Rs. 2,82,42,748/- (DSR 2016, excluding GST), if the tenderer is willing to take up the work or else, retender the work after recasting the estimate.</p> <p>Work of CWPM arranged as different parts</p>			
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117	16-17	Improvement of water supply system for Guruvayur (Package II) - Phase I	G.O(Rt) No: 3170/2017/LSGD Revised A.S	28/9/2017 Revised A.S		Work completed	100%	16.00	58.32
118	17-18	Improvement of water supply system for Guruvayur (Package II) - Phase II	G.O(Rt) No: 961/2020/LSGD	25/5/2020	81.34	Out of 38.987 km (500mm/600mm DI K9 & 630mm HDPE) RWPM - 24 km pipe laying completed.	72%		
119	16-17	Laying distribution networks in Thykkad zone - Guruvayur Municipality	G.O(Rt) No: 516/2018/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	22/2/2018 Revised A.S 25/5/2020	12.13	100% pipe supplied. Out of 20.14Km, 19.4 Km laying work completed. Balance pipe is to be laid in PWD common road with other works.	93%	0.79	8.60
120	17-18	Construction of 10LL OHSR and Pumping Main to Guruvayur including distribution network(continuation project), Location: OHSR at Pookkode, pumping main and distribution at Municipal area.	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	23/12/2017 Revised A.S 25/5/2020	23.00	Out of 52.3 km, 49km of Pipe laying work completed. 850m to be laid in ChavakkadWadakka nchery road along with RWPM and CWPM. 250m of 600mm DI to be laid from proposed 10LL OHSR. Interconnection of 200mm DI from Pancharamuck to Chakkamkandam road to be done.	95%	0.92	12.76
		TOTAL			150.88				
PALAKKAD									
WATER SUPPLY SECTOR									

121	15-16	Providing new pumping main 600mm DI-K9 - 3400m from Puthur Jn. to Moothanthara OHSR (Part-1)	G.O(Rt) No: 534/2017/LSGD	23/2/2017	5.44	Work completed	100%	1.43	9.25
122	15-16	Providing new pumping main 450mm DI-K9 - 4650m from Mattumantha to Kalmadapam.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	4.56	Work completed	100%		
123	16-17	600mm DI K9 New pumping main - From Malampuzha WTP to Mattumantha DI- K9 pipe 600 mm – 2850 m.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	6.25	Work completed	100%	0.00	7.23
124	16-17	Supply and erection of electromagnetic flow meter.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	0.50	Work completed	100%		
125	16-17	Construction of 16L Ltrs OHSR at Kalmadapam KWA and demolishing the existing OHSR.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	3.00	Work completed	100%		
126	16-17	Construction of 45 MLD water treatment plant at Malampuzha, KWA compound and booster station.	G.O(Rt) No: 3170/2017/LSGD	28/09/2017	22.25	Work in progress 1. Clear Water Sump: Plastering, cover slab shuttering in progress 2. Filter House: column RCC works	63%	8.13	8.15

						upto roof slab in progress 3. Clarifier 1: Only walkway RCC Remaining 4. Clarifier 2: Launder base slab half portion RCC Completed 5. Flash Mixer 1 : Sidewall RCC completed 6. Flash Mixer 2 : side wall RCC completed 7. Aerator : Central Shaft RCC up to bottom channel completed.			
127	17-18	Replacement of raw water and clear water pump set, transformers and electrification	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 777/2021/LSGD	23/12/2017 Revised A.S 26/3/2021	13.86	<i>Three nos of 350mm and 1 no of 300mm Electro Magnetic flow meters supplied. CW Pump sets expecting delivery in Mid of May. Raw water pump sets delivered.</i>	20%	3.95	9.44
128	17-18	Constuction of OHSR 2 Nos , total 76.5LL capacity				1) 37LL OHSR at Mattumantha - Plastering completed. Store room plastering progressing. Paintingworks progressing 2) 23.5LL OHSR at Moothanthara - Major works finished.	92%		

	17-18	Augmentation of Water Supply Scheme to Palakkad Municipality - Part III- Package II - Providing Rider main, changing of water connections and replacement of existing AC Pipelines to DI/PVC pipelines in Palakkad Municipality. (Revised AS)	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	85.15	Work tendered as 3 zones			
129	17-18	Mattumantha Zone-Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	28.11	46430m/47613m laid Linking and connection shifting works in progress.	96%	3.46	12.58
130	17-18	Moothanthara Zone-Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	29.21	44242m/47283m laid Linking and connection shifting works in progress.	96%	3.17	11.98

131	17-18	Kalmandapam Zone-Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	27.83	43996m/43996m laid Linking and connection shifting works in progress.	97%	3.76	11.43
		TOTAL			141.01				
KOZHIKODE									
WATER SUPPLY SECTOR									
	15-16	Rehabilitation of old pipes, valves, interconnections with existing lines and providing water meters			17.87	Work split in to 8		0.80	12.88
132	15-16	Package 1	G.O(Rt) No: 534/2017/LSGD	23/02/2017	1.86	<i>Work completed</i>	<i>100%</i>		
133	15-16	Package 2			5.41	<i>Work completed</i>	<i>100%</i>		
134	15-16	Package 3			1.03	<i>Work completed</i>	<i>100%</i>		
135	15-16	Package 4			1.93	<i>Work completed</i>	<i>100%</i>		
136	15-16	Package 5			3.09	<i>Work completed</i>	<i>100%</i>		
137	15-16	Package 6			0.85	<i>Work completed</i>	<i>100%</i>		
138	15-16	Package 7			0.63	<i>Work completed</i>	<i>100%</i>		
139	15-16	Package 8			1.67	<i>Work completed</i>	<i>100%</i>		

	16-17	Rehabilitation of existing old pipes, valves and interconnection with the existing lines (Phase II)			15.499	Work split in to 7 packages		0.87	15.50
140	16-17	Package 1	G.O(Rt) No: 3530/2017/LSGD Revised G.O(Rt) No: 860/2020/LSGD	02-11-2017 Revised A.S 12-05-2020	1.15	<i>Work completed</i>	<i>100%</i>		
141	16-17	Package 2			3.98	<i>Work completed</i>	<i>100%</i>		
142	16-17	Package 3			1.92	<i>Work completed</i>	<i>100%</i>		
143	16-17	Package 4			3.62	<i>Work completed</i>	<i>100%</i>		
144	16-17	Package 5			3.42	<i>Work completed</i>	<i>100%</i>		
145	16-17	Package 6			0.98	<i>Work completed</i>	<i>100%</i>		
146	16-17	Package 7			0.35	<i>Work completed</i>	<i>100%</i>		
	16-17	Strengthening of existing infrastructure facilities, and quality improvement of CWSS in Kozhikode Corporation			17.27	Work split in to 3 packages		2.57	7.17
147	16-17	Package 1	G.O(Rt) No: 3530/2017/LSGD	02-11-17	6.90	<i>Pipe laying in progress.</i>	<i>53%</i>		
148	16-17	Package 2-Civil Works			4.00	<i>Work completed</i>	<i>100%</i>		
149	16-17	Package 3 - Electrical Works			2.70	<i>Work in progress</i>	<i>95%</i>		
	17-18	Integrated Calicut Water Supply Project - phase 2 - Laying of distribution Lines in 10 zones			46.55	Work split in to 10 packages		11.59	29.42

150	17-18	Package 1- Balamandiram	G.O(Rt) No: 5/2018/LSGD	01-01-18	1.29	Work completed	100%		
151	17-18	Package 2 - East hill zone			5.03	Work completed	100%		
152	17-18	Package 3- Elathur zone			1.60	Work completed	100%		
153	17-18	Package 4- Eravathukunnu north one			1.92	Work completed	100%		
154	17-18	Package 5- Eravathukunnu south zone			4.71	Work completed	100%		
155	17-18	Package 6- Malaparamba zone			5.17	Work completed	100%		
156	17-18	Package 7-Pottammel zone			6.80	Work completed	100%		
157	17-18	Package 8- Cheruvannur zone			2.74	<i>Work completed</i>	100%		
158	17-18	Package 9-Kovoor zone			6.51	<i>Work completed</i>	100%		
159	17-18	Package 10-Beypur zone			10.67	<i>Work completed</i>	100%		
		TOTAL			97.19				
KANNUR									
WATER SUPPLY SECTOR									
160	15-16	Laying Gravity Main from JICA project at Mangattuparamba to Pallikunnu OHSR for Pallikkunnu&Puzhathi Villages.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	23.5	Work Completed	100%	3.48	19.75
161	15-16	Construction of 24LL OHSR at Pallikkunnu for Pallikkunnu&Puzhathi	G.O(Rt) No: 534/2017/LSGD	23/2/2017	4.05	Work Completed	100%	0.93	4.29

		Villages.							
162	15-16	Construction of 14LL capacity OHSR Thottada at Edakkad zone III in Kannur Corporation.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	3	Work Completed	100%	0.26	3.16
163	15-16	Rehabilitation of old distribution networks, valves, house service connections and inter-connections in Kannur Corporation SAAP 2015-16	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	17.7	Work Completed	100%	5.03	16.08
164	16-17	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges-Phase II at Pallikkunnu.	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	15.62	Work completed	100%	4.86	12.49
165	16-17	Laying of gravity main from water supply system to Kannur at Melechowa to sump at Avera to OHSR at Thottada including erection of pumpsets at Avera in Kannur Corporation 2016-17	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	6.8	Work completed except railway crossing. Trial run completed with temporary arrangement, Regular water supply started.	98%	1.82	6.37
166	16-17	Enhancing capacity of treatment plant from 30 MLD to 40 MLD including modernisation of	G.O(Rt) No: 3530/2017/LSGD	02-11-17	7.8	Work Completed	100%	1.68	6.43

		existing treatment plant.							
167	17-18	Supplying and Laying new distribution lines in Pallikkunnu and Puzhathi area providing new service connection and inter connection with existing lines.	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.25	Work Completed	100%	1.42	3.36
168	17-18	Laying new distribution line and providing new service connection at Elayavoor zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	8.36	Work Completed	100%	1.41	6.82
169	17-18	Laying new distribution line 385km and providing new service connection at Edakkad zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	5.79	Work completed	100%	0.47	5.00
170	17-18	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges (PWD/ NH/ Corporation)at Elayavoor zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	11.57	Work completed	100%	2.34	10.25
171	17-18	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	8.95	Work completed	100%	1.27	8.77

		providing flow meters etc., including road reformation charges (PWD/ NH/ Corporation)at Edakkad zone							
		TOTAL			117.39				
		TOTAL - WATER SUPPLY			1127.19			175.81	662.14
TRIVANDRUM									
SEWERAGE SECTOR									
1	15-16	Laying 900mm dia DI pumping main at Muttathara Sewage Treatment Plant.	G.O(Rt)No: 1329/2016/LSGD	26/03/2016	3.72	Work Completed	100%	0.00	3.40
2	15-16	Rehabilitation of existing pump and machineries- Kannammoola pump				Work Completed	100%		
3	15-16	Laying 700mm dia RCC NP3 Pipe sewer trunk main II from Murinjapalam – Kannamoola.	G.O(Rt) No: 534/2017/LSGD Revised A.S G.O.(Rt)No.1938/2020/LSGD	23/02/2017 Revised A.S 16/10/2020	1.64	Out of 636 m, 200 m pipe laying and 8 MH completed.	33%	0.00	0.01

4	15-16	Decentralized 5MLD sewerage treatment plant (STP) at Medical College including water recycling plant and reuse - Phase I	G.O(Rt) No: 534/2017/LSGD	23-02-17	19.16	Terminal manhole construction done. Intake well mechanical erection done. Blower room erection done. MBBR & equalization tank & tube settler civil work including plastering completed. Hydraulic testing done. Mechanical components erection done. ETP Construction at MC, SAT is ongoing. Admin building plastering completed. Chlorination building plastering done. Chlorinator fixing done. KSEB charged RMU. Screen fixing works @ screen chamber done. Electrification works ongoing. ETP @SCTIMST is started. Intake well to terminal manhole pipeline laying done. White washing done. ETP Construction started @ RCC Campus. SCT Campus trees have been cut by SCT Authorities for construction of ETP.	87%	6.97	7.99
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						<p>Scheme approved drawing submitted to Electrical inspectorate. Electrical Inspectorate -Dy. CEI conducted inspection at the project site. Hand rail work & recycling line work going on. Tube settler work completed. Chlorination tank pump erection ongoing. Electrical panel works ongoing. Compliance report received from CEI.</p>			
5	15-16	Construction of sewerage pump house at Edathara in Thiruvananthapuram Corporation	G.O(Rt) No: 534/2017/LSGD Revised A. S G.O.(Rt)No.1672/2020/LSG D	23/2/2017 Revised A.S 16/09/2020	8.21	<p>Design approved by WASCON. Tree cutting permission received and trees have been cut down. Site clearance has been done. Land to be acquired for laying the gravity connection pipe from grit chamber to manhole in the Poonthi road.</p>	1%	0.10	0.17

6	15-16	Supplying and Laying 600mm dia DI Pumping main from Pump at Edathara to STP at Muttathara in Thiruvananthapuram Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	17.29	Out of 8700metre, 53% laying completed. Balance laying in progress. Contractor resumed works from near to YMA Auditorium near Chackai bridge towards railway gate location near Alakku Kadavu. Testing ongoing. Irrigation Authorities accord oral permission to lay the pipes through the irrigation compound and along thorough Chackai bridge to continue to Karali line. Testing done @airpirt bridge & @ YMA road from temple up to railway gate south. From YMA Road pipe laying continues through the Irrigation compound towards Karali line & laid. Continuing the laying through Alummoottil Residents line towards Karali line.	53%	4.63	9.36
	16-17	Rehabilitation of existing networks in various blocks of Thiruvananthapuram sewerage scheme			3.84	Split in to 23 works all completed		0.58	3.37

7	16-17	<i>AMRUT - TSS Rehabilitation - Increasing the capacity of sewer 150mm dia SW pipe to 200mm dia SW pipe and construction of RCC manholes at ManacaduHarshan Nagar and Seethapuram lane.</i>	G.O(Rt) No: 3530/2017/LSGD	02-11-17	0.14	<i>Work completed.</i>	100%		
8	16-17	<i>AMRUT - TSS Rehabilitation - Providing 200mm sewer line from VRA B - 26 to VRA A -22 and connectig to the existing MH near Khadi Board, Vanchiyoor</i>			0.05	<i>Work completed.</i>	100%		
9	16-17	<i>AMRUT- TSS Rehabilitation - Relaying damaged 300mm sw pipe from Parachal Jn in Malloor road to Devi pharma Junction and construction of dilapidated man holes at Thumbara lane in Vanchiyoor ward</i>			0.19	<i>Work completed.</i>	100%		
10	16-17	<i>AMRUT- TSS Rehabilitation - Reconstruction of dilapidated man holes at Ambujavilasom, malloor road, Chettikulangara, Athani, Amba nagar, Mullassery, Chirakkulam, Thengapura, Mulluvilakom, Pettah,</i>			0.31	<i>Work completed.</i>	80%		

		<i>Rishimangalam, Palkulangara, Chempakassery, Kaithamukku, Pattoor etc under Sewerage Section I, Kuriyathy</i>						
11	16-17	<i>AMRUT -TSS Rehabilitation - Urgent Re-Laying 200mm SW pipe and construction of manhole near Parthas at Power House Road.</i>		0.06	<i>Work completed.</i>	100%		
12	16-17	<i>AMRUT - TSS Rehabilitation - Relaying choked and broken sewer line including construction of man holes from SNRA 88B to SNRA 101 at SN Nager, Pettah and and reconstruction of dilapidated man holes at AmbalathumukkuKaum udhiResiedents Lane</i>		0.06	<i>Work completed.</i>	100%		
13	16-17	<i>AMRUT - TSS Rehabilitation -D Block - Supplying and laying 200 mm dia SW sewer branch line from The Existing MH towards Chalakuzhy - Kappil road</i>		0.18	<i>Work completed.</i>	100%		

14	16-17	<i>TSS - AMRUT - Rehabilitation --Laying 150mm SW pipe at Aiswarya lane, Poornima lane, Bharath lane, Mythri lane &Kavuvila lane at Sasthamangalam ward under sewerage section Sasthamangalam</i>			0.32	<i>Work completed.</i>	100%		
15	16-17	<i>AMRUT -TSS Rehabilitation - Increasing the size of existing sewer main using 400mm dia RCC NP3 pipe from Edappazhinji towards CSM Nagar I Reach Ch.0 M to 379m</i>			0.83	<i>Work completed.</i>	95%		
16	16-17	<i>AMRUT-TSS Rehabilitation - Increasing in size of existing sewer main using 400mm dia RCC NP3 pipe from Edappazhinji towards CSM Nagar II Reach Ch.379M to 817m</i>			0.72	<i>Work completed.</i>	95%		
17	16-17	<i>AMRUT-TSS Rehabilitation - Increasing in size of existing sewer main using 300mm diaSWpipe from Edappazhinji towards CSM Nagar III Reach Ch.817M to 1191m</i>			0.38	<i>Work completed.</i>	100%		
18	16-17	<i>AMRUT-TSS Rehabilitation - Dismantling of damaged brick manhole and re-constructing with RCC</i>			0.07	<i>Work completed.</i>	100%		

		<i>manhole at Jawahar Nagar area under Sewerage Section Sasthamangalam</i>						
19	16-17	<i>AMRUT -TSS Rehabilitation - Dismantling of damaged brick manhole and re-constructing with RCC manhole at Kanaka Nagar area under Sewerage Section Sasthamangalam</i>			0.07	<i>Work completed.</i>	100%	
20	16-17	<i>AMRUT-TSS Rehabilitation - Dismantling of damaged brick manhole and re-constructing with RCC manhole at Lenin Nagar</i>			0.07	<i>Work completed.</i>	100%	
21	16-17	<i>AMRUT-TSS Rehabilitation - Dismantling existing damaged 100mm dia Sw sewer line and laying 200mm dia SW pipe and construction of manholes at Madathuvila Lane Edappazhinji</i>			0.02	<i>Work completed.</i>	80%	
22	16-17	<i>AMRUT -TSS Rehabilitation - Dismantling of damaged brick manhole and re-constructing with RCC manhole at Nanthancodu Nalanda area under Sewerage</i>			0.07	<i>Work completed.</i>	100%	

		<i>Section Sasthamangalam</i>						
23	16-17	<i>AMRUT-TSS Rehabilitation -- Dismantling of damaged brick manhole and re- constructing with RCC manhole at Peroorkada - Ambalamukku area under Sewerage Section Sasthamangalam</i>			0.06	<i>Work completed.</i>	100%	
24	16-17	<i>AMRUT -TSS Rehabilitation - Dismantling of damaged brick manhole and re- constructing with RCC manhole at PoojappuraThirumala road</i>			0.06	<i>Work completed.</i>	100%	
25	16-17	<i>TSS - AMRUT - Rehabilitation -- Dismantling of damaged brick manhole and re- constructing with RCC manhole at Attara lane, Kannammoola under Sewerage Section Sasthamangalam</i>			0.04	<i>Work completed.</i>	20%	
26	16-17	<i>AMRUT - TSS Rehabilitation- Urgent rehabilitation works on the sewerage system at Cherukode lane, Kunchalummoodu</i>			0.08	<i>Work completed.</i>	100%	

27	16-17	AMRUT- TSS Rehabilitation- Urgent rehabilitation works on the sewerage system at Kadakamthalackal lane, Melaranoor			0.03	Work completed.	100%		
28	16-17	AMRUT -TSS Rehabilitation - Urgent rehalitation of dilapidated manholes at KaramanaMangad lane (KMRA)			0.04	Work completed.	100%		
29	16-17	AMRUT - TSS- Rehabilitation- Urgent reconstruction of dilapidated old brick manholes at Nandavanam Gardens, Valiyasala			0.02	Work completed.	100%		
	16-17	Providing new network in the missing areas of the core city in Thiruvananthapuram			7.98	Split in to 14 works out of this 10 nos completed.		0.42	3.37
30	16-17	Tss- E Block Zone II - Laying 700mm dia sewer main from Jagathy towards common manhole at Vivekananda Nagar Ist Reach ch 0m to 259m			0.90		87%		
31	16-17	Tss- E Block Zone II - Laying 700mm dia sewer main from Jagathy towards common manhole at Vivekananda Nagar IInd Reach ch 259m to 512m	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.00	270 m pipe laid. Balance in progress. (2 works clubbed, SI No:27 & 28)	87%		
32	16-17	TSS- D Block zone II - Laying 600mm dia RCC NP3 pipe sewer main from Edappazhinji to			0.62	Work completed (2 works clubbed, SI No:29 & 30)	100%		

		<i>Chithranagar via vettamukku - 1.</i>						
33	16-17	<i>TSS- D Block zone II - Laying 600mm dia RCC NP3 pipe sewer main from Edappazhinji to Chithranagar via vettamukku - 2.</i>		0.54	<i>Work completed (2 works clubbed, SI No:29 & 30)</i>	100%		
34	16-17	<i>TSS E Block Zone II Laying 300mm dia SW Pipe sewer main from Jagathy Vettamukku sewer main MH 60 towards Koottamvila Ex.MH (N-N1)</i>		0.19	<i>Work completed</i>	100%		
35	16-17	<i>TSS- E Block Zone III - Supplying and laying 200 mm dia SW pipe branch sewer line from the existing Konathukulangara lane towards Padayani road (PRA - lane10) at</i>		0.14	<i>Work completed (3 works clubbed, SI No:32, 33, 34)</i>	100%		
36	16-17	<i>TSS- E Block Zone III - Supplying and laying 150 mm dia SW branch sewer line from the existing MH towards Melekuzhivila at Maruthamkuzhy</i>		0.03	<i>Work completed (3 works clubbed, SI No:32, 33, 34)</i>	100%		
37	16-17	<i>TSS- E Block Zone III - Supplying and laying 200 mm dia SW pipe branch sewer line from the existing Konathukulangara line towards Padayani road association lane No. 05</i>		0.10	<i>Work completed (3 works clubbed, SI No:32, 33, 34)</i>	100%		

		<i>(PRA 16-20) at Maruthankuzhy</i>						
38	16-17	<i>Supplying and laying 200 mm dia SW sewer line from The Existing MH towards Binoy lane at Kizhakke Pattom Residence Association</i>		0.08	<i>Work completed</i>	100%		
39	16-17	<i>TSS-Supplying and laying 200 mm dia SW pipe sewer line from Padayani Road Ex: MH towards Padayani Gardens Lane No. 8A (PRA G1 to G17)</i>		0.12	<i>Work completed (2 works clubbed, SI No:36 & 37)</i>	100%		
40	16-17	<i>TSS- E Block Zone III - Supplying and laying 200 mm dia SW pipe branch sewer line from the existing Konathukulangara sewer main towards Dwani Lane (PRA Lane No.07) at Maruthankuzhy</i>		0.15	<i>Work completed (2 works clubbed, SI No:36 & 37)</i>	100%		
41	16-17	<i>TSS - E Block Zone II - Laying 300mm dia SW Sewer main interconnection between Kootanvila and Chittatinkara Sewer main.</i>		0.10	<i>Work completed.</i>	100%		
42	16-17	<i>TSS-Urgent laying of 300mm dia HDPE pipe and construction of new manholes at Chengalloor and Vattavila of Punnakkamugal ward.</i>		1.03	<i>255 mtr pipe laying completed, and 5 MH completed.</i>	24%		

43	16-17	TSS - Laying 250 mm dia DI K9 pumping main from Mudavanmugal Pump House to Jagathy Junction and construction of Stilling Chamber at Jagathy Junction			3.00	Agreement executed. Pipe supplied. Delay occurred in receiving PWD sanction. Contractor has not started the work. Final notice issued to Contractor by SE, PH Circle, Tvm. Estimate recasted for retendering at the risk and cost of Contractor.			
	16-17	Laying transmission main and sewer networks in Block L (Edathara) -Collection and Conveyance system			29.94	Work split into 6 packages.		3.13	5.23
44	16-17	(a) Laying trunk main from Stilling chamber at Pulayanarkotta to MH 10 of Pumping station at Edathara (Part 1)	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O.(Rt)No.1672/2020/LSGD	02-11-2017 Revised A.S 16/09/2020	15.58	700 mm RCC NP3 pipe -300 m completed out of 304.00m 800 mm RCC NP3 pipe - 425m completed out of 1120.00m 1000mm RCC NP3 pipe - 250 m completed out of 1690.0 m Construction of MH 26 nos completed out of 110 nos Stilling chamber-completed	25%		

45	16-17	<i>Supplying and laying sewer line through Pettah Venpalavattom road, Greenpark road and side of Amayizhanjanthodu and to MH 7 Edathara zone</i>			2.94	Tender invited with opening on 27.10.2020. No offer received in the first tender call. Retendered after election code of conduct. Opening was on 13.1.2021. No offer received. Retendered on 21.01.2021 with due date on 15.2.2021 Extended to 23-02-2021. No offer, again extended up to 4.3.2021, 15.03.2021. No offer. Again extended to 5.4.2021. Single offer received with high quote. Tender cancelled.			
46	16-17	<i>Laying transmission main and sewer network in blok L Edathara- collection and conveyance system- Supply and laying trunk main from stilling chamber at Udhaya Garden to MH 89- pakage 3</i>			1.96	1) 500mm RCC NP3 pipe for laying length of 460 /474.00 m & 30.00 for interconnection with MH 2) 600mm RCC NP3 pipe for laying length of 80/ 620.00 m & 24.00 for interconnection with MH 3) construction of 19/54 nos of MH. Construction of stilling chamber - completed	48%		

47	16-17	<i>Sewer network from Pettah Arasumooode junction to MH-7 Edathara pumping station package 4</i>			4.93	<p>First Tender - Two offer received. Due to high quoted rate in the first tender call. Tender cancelled</p> <p>First Tender(after estimate revision) Two offer received. Due to high quoted rate in the first tender call.tender cancelled.</p> <p>First re-tender. Two offer received.lowest offer (31.50 %above TPAC),openend on 30.7.2020.</p> <p>KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT.</p> <p>27th SHPSC approved the tender excess and accorded revised A.S. Tender Sanction</p> <p>Proceedings issued on 24.02.2021 and W.O issued on 25.02.2021 and agreement executed on 28.02.2021.</p>			
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48	16-17	<i>Laying sewer network in L block (Edathara) from MH 110 to MH 150 (package 5)</i>			1.76	<p>First Tender -Two offer received.Due to high quoted rate in the first tender call tender cancelled</p> <p>First Tender(After revision) - Two offer. Due to high quoted rate in the first tender call. Tender cancelled</p> <p>First re-tender - tender openend on 24.7.2020.Single offer offer received.43% above.</p> <p>KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT.</p> <p>27th SHPSC approved the tender excess and accorded revised A.S Tender Sanction</p> <p>Proceedings issued on 24.02.2021 and W.O issued on 25.02.2021 and agreement executed on 28.02.2021.</p>			
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49	16-17	<i>AMRUT-Laying transmission main and sewer network in in Block L Edathara-collection and conveyance system-Laying Sewer network by HDD method from MH 10 towards KIIMS Hospital (Package 6)</i>			2.77	Tender openend on 30.7.2020. Two offers received.33.95 % and 24.05 % above. KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT. 27th SHPSC approved the tender excess and accorded revised A.S. Tender Sanction Proceedings issued on 24.02.2021 and W.O issued on 25.02.2021 and agreement executed on 28.02.2021.		
50	17-18	Supplying and erection of pumpsets, transformer and electrical accessories in the Block- L, Edathara Pumping Station	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 769/2019/LSGD	02/11/2017 Revised A.S 30/3/2019	4.00	First Tender -No offer First re-tender(RT1)- No offer Second re-tender (RT2)- no offer Third re-tender (RT3-) -No offer Fourth re-tender (RT4) -Single offer received. Tender opened on 6.8.2020 (31.99 % above TPAC). Tender committe met on 4/11/2020 in H.O decided to cancel the tender. Retendered with opening date 27.01.2021. Single	0.02	0.02

						offer received. Tender cancelled. Estimate to be recasted.			
51	17-18	Construction of Pumping station at Akkulam (Block K)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.00	1) 2 nos of well of dia 6.5 m ,well 1=13.8 m completed, well 2=15.0 m completed, RCC plugging completed 2) Grit chamber of size 12.7x4.9 =not started 3)Construction of pump house compound wall = not started 4)construction of 4 nos of MH=not started	24%	0.62	0.63
52	17-18	Supplying and laying 450mm DI K9 pumping main for a length of 1800m(Block K - Akkulam pumping station on Pulayanarkotta stilling chamber)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	2.28	Work completed.	100%	0.00	2.17
53	17-18	Supplying and laying Transmission main in Block K (Akkulam) to connect stilling chamber at Bypass junction to pumping station at Akkulam collection and conveyance system	G.O(Rt) No: 3530/2017/LSGD	02-11-17	7.00	630 mm HDPE - 728 M completed out of 971.00 m Construction of MH, outof 40 nos, 9 completed & 2 in progress	37%	1.20	1.27

54	17-18	Supplying and erection of pumpsets, transformer and electrical accessories in the Akkulam Pumping Station (Block K)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.80	Tender opened on 5.10.2020. Single offer received 45% above TPAC. Tender placed in the tender committee in Head Office held on 30/11/2020 and 20.12.20. Directed SE to retender the work. Estimate recasted. To be retendered.		0.00	0.01
55	17-18	Construction of Pumping station at Karimanal (Block J)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.00	Well no.1&2 works in progress. Excavation for the compound wall construction in progress;Steel works in the bottom slab of the grit chamber in progress.	59%	0.52	0.54
56	17-18	Supplying and laying 350mm DI K9 pumping main (Karimanal pump station to stilling chamber at Bypass junction)(Block J)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.30	Work Completed	100%	0.00	0.32

	17-18	Laying Transmission main and sewer networks in Block J (Karimanal) - Collection & Conveyance system	G.O(Rt) No: 3530/2017/LSGD	02-11-17	15.02	Work split in to 3 components		0.00	0.61
57		<i>Trunk main to Karimanal</i>				13nos of manhole works partially completed,2 nos of man hole works is going to complete,2 nos of manhole works started.	25%		

58		Sewer network from Bypass Jn (Kuzhivila) to MH3 of trunk main from Arasumoodu to Karimanal Pumping station				<p>First Tender - Single offer received. No additional offer received. Tender cancelled.</p> <p>First re-tender(RT1) -Single offer received. Due to high quote rate tender cancelled (90% above</p> <p>Second re-tender (RT2) No offer received. Hence cancelled. Third re-tender (RT3) -No offer received. Hence cancelled.</p> <p>Forth re-tender (RT4) - No offer received. Hence cancelled.</p> <p>Fifth re-tender (RT5) - Single offer received. Single offer received 49 % above TPAC.</p> <p>Tender placed in the tender committee in H.O held on 30/11/2020.</p> <p>Decided to retender the work.</p> <p>Estimate under scrutiny.TS to be issued.</p> <p>To be retendered</p>			
59		Inter connection sewer networks from trunk main man holes of both sides of the road from Arasumoodu				98 nos of small connection manhole works done.	17%		

	17-18	Providing Sewer trunk from Kazhakoottam area to Pumping station of I Block through the bank of ThettiyarThodu - Collection & Conveyance system and pumping station, pumps and electrical installation, Pumping mains (Block I)			10.56	Work split into 4 packages.		0.00	1.00
60	17-18	<i>(A) 350mm DI K9 PM from well at Kulathoor to stilling chamber at Arasumode</i>	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O.(Rt)No.1672/2020/LSGD Dated	2/11/2017 Revised A.S 16/09/2020	1.06	<i>Work Completed</i>	100%		
61	17-18	<i>(B)Well at Kulathoor</i>			3.00	<i>Site levelling in progress & the design,layout works are in progress after the fixing of the boundary by the technopark officials. Mix design and steel samples submitted to KHRI.</i>	2%		
62	17-18	<i>(C) Sewer transmission main to Kulathoor</i>			4.80	<i>Work order issued on 27.5.2020. Agreement not executed.Final notice issued to the firm on 10.10.2020 for executing the agreement on or before 23.10.2020. The tender has been cancelled. Since GST was not included in the estimate, the estimate has to be revised and revised. Estimte under</i>			

						<i>scrutiny.TS to be issued. To be retendered.</i>			
63	17-18	<i>(D) Supplying and Erection of Pumpsets , transformer and electrical accessories in the Kulathur Pumping Station</i>			1.70	<i>Status same of package B (Combined tender for package B & D)</i>	2%		
64	17-18	Supplying and erection of pumpsets , transformer and electrical accessories in the Karimanal Pumping Station(BlockJ)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.50	First tender - No offer, cancelled. First Tender (after estimate revised with GST component) - No offer First re-tender(RT1) -. No offer Second re-tender (RT2) Single offer received 64 % above TPAC. On verification, peak flow of 0.29 m3/s cannot be met by the proposed pumpsets. Hence CE (SR) directed SE, Trivandrum to cancel and retender the work immediately. Retendered with opening 8/2/2021. No offer received. Electrical	0.00	0.02	

						specifications under the scrutiny of Special Officer, Electrical. To be retendered.			
65	17-18	Providing mechanical Sludge drying unit at Muttathara 107 Mld STP	G.O(Rt) No: 5/2018/LSGD	01-01-18	5.00	Work order issued on 25/01/2021. But the bidder has informed that the amount of proposed tender is not enough to complete the plant and ten year maintenance and hence the firm is quitting the work. Hence, the tender is cancelled and re-tendering work is in progress. An expert committee of Environmental Engineers were assigned to check the design of the project.		0.00	0.06

66	17-18	Providing new networks (Sewerage facility in the Kalladimugham Housing Colony)	G.O(Rt) No: 5/2018/LSGD Revised A.S G.O.(Rt)No.1672/2020/LSGD	01-01-2018 Revised A.S 16-09-2020	13.15	3350mm DI Pumping Main 2679 m has been laid, 150mm SW Pipe 780m laid 59 Man holes Have been completed. 250 mm SW Pipe 170m laid 10 Nos Man Hole completed. Due to public agitation taking trial pit for laying of pumping main in front of PoonthuraPuthen pally, laying work in this area has been stopped. Well Scoping Vth lift Concrete completed.	53%	3.30	3.32
	17-18	Providing new network in the missing areas of core city	G.O(Rt) No: 5/2018/LSGD	01-01-18	9.95	Work split into 46 packages, 43 completed		1.08	6.19
67	17-18	AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kuravankonam , Vikramapuram Hills house no.VH-130 to 135- under Sewerage Section,Sasthamangalam	G.O(Rt) No: 5/2018/LSGD	01-01-18	0.07	Work Completed	100%		
68	17-18	AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line from Jawahar nagar O street towards Bhagavathynagar A street- under Sewerage Section,Sasthamangalam			0.12	Work Completed	100%		

		<i>m</i>						
69	17-18	<i>AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kowdiar ward , Kadappathala line from MGRA-46 to 53- under Sewerage Section,Sasthamangalam</i>			0.10	<i>Work Completed</i>	<i>100%</i>	
70	17-18	<i>AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kowdiar ward , Kadappathala line from MGRA-56 to 72- under Sewerage Section,Sasthamangalam</i>			0.15	<i>Work Completed</i>	<i>100%</i>	
71	17-18	<i>AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kowdiar ward , Kadappathala line from MGRA-82 to 92- under Sewerage Section,Sasthamangalam</i>			0.09	<i>Work Completed</i>	<i>100%</i>	
72	17-18	<i>AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kowdiar ward , Bhagavathi line C-15 and C-16- under Sewerage Section,Sasthamangalam</i>			0.19	<i>Work Completed</i>	<i>100%</i>	

73	17-18	AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Kowdiar ward , Bhagavathi line B-7-under Sewerage Section,Sasthamangalam			0.16	Work Completed	100%		
74	17-18	AMRUT SAAP -2017-18 -TSS- Dismantling existing 100 mm dia SW pipe and relaying 200 mm SW sewer line and construction of RCC Man hohes at T N line , Vazhuthakadu under Sewerage Section,Sasthamangalam			0.15	Work Completed	100%		
75	17-18	AMRUT SAAP -2017-18 -TSS- Laying 200 mm SW sewer line in Nethaji Bose road , Marappalam near Keni bridge from NBRA H 1 to NBRA H - 10 under Sewerage Section,Sasthamangalam			0.08	Work Completed	100%		
76	17-18	AMRUT SAAP-2017-18- TSS- Supplying & Laying sewer line at Street - 3 of Devaswom Board Residents Association Area			0.10	Work Completed	100%		
77	17-18	AMRUT SAAP -2017-18 -TSS- Raising of manholes under tarred surface and replacing of RCC cover slabs with C I M H cover with frame in Right R C area -under			0.13	Work completed.	100%		

		<i>Sewerage Section, Sasthamangalam</i>						
78	17-18	<i>AMRUT SAAP -2017-18 -TSS- Raising of manholes under tarred surface and replacing of RCC cover slabs with C I M H cover with frame in Central R C area - under Sewerage Section,Sasthamangalam</i>		0.13	<i>Work completed.</i>	<i>100%</i>		
79	17-18	<i>AMRUT SAAP -2017-18 -TSS- Raising of manholes under tarred surface and replacing of RCC cover slabs with C I M H cover with frame in Left R C area - under Sewerage Section,Sasthamangalam</i>		0.11	<i>Work completed.</i>	<i>100%</i>		
80	17-18	<i>AMRUT SAAP -2017-18 -TSS- Raising of manholes under tarred surface and replacing of RCC cover slabs with C I M H cover with frame in West R C area - under Sewerage Section,Sasthamangalam</i>		0.10	<i>Work completed.</i>	<i>100%</i>		
81	17-18	<i>AMRUT SAAP 2017-18 - Rehabilitation- Dismantling of damaged brick manhole and re constructing with RCC</i>		0.10	<i>Work completed.</i>	<i>100%</i>		

		<i>manhole in Right R C area under Sewerage section , Sasthamangalam</i>						
82	17-18	<i>AMRUT SAAP 2017-18 - Rehabilitation- Dismantling of damaged brick manhole and re constructing with RCC manhole in Central R C area under Sewerage section, Sasthamangalam</i>		0.11	<i>Work completed.</i>	<i>100%</i>		
83	17-18	<i>AMRUT SAAP 2017-18 - Rehabilitation- Dismantling of damaged brick manhole and re constructing with RCC manhole in Left R C area under Sewerage section , Sasthamangalam</i>		0.10	<i>Work completed.</i>	<i>100%</i>		
84	17-18	<i>AMRUT SAAP 2017-18 - Rehabilitation- Dismantling of damaged brick manhole and re constructing with RCC manhole in West R C area under Sewerage section , Sasthamangalam</i>		0.09	<i>Work completed.</i>	<i>100%</i>		
85	17-18	<i>TSS - Reconstruction of dilapidated manholes in Palkulangara, Pettah, Perunthanni area under Sewerage Sn 1</i>		0.21	<i>Work completed.</i>	<i>100%</i>		

86	17-18	<i>TSS - Reconstruction of dilapidated manholes in Manacaud, Sreevaraham, Kalippankulam, Enchakkal area under Sewerage Sn 1</i>			0.21		100%		
87	17-18	<i>TSS - Reconstruction of dilapidated manholes in Chalai, Fort, Chenthitta, Attukal, Pazhavangadi, Powerhouse area under Sewerage Sn 1</i>			0.21	<i>(3 works clubbed, SI No:86 to 88) Completed</i>	100%		
88	17-18	<i>TSS - Reconstruction of dilapidated manholes in Vanchiyoor, Pulimoodu, chirakulam, Uppidamoodu, Pallimukku area under Sewerage Sn 1</i>			0.21		100%		
89	17-18	<i>TSS - Raising of Manhole covers in various wards under Sewerage Sn. 1</i>			0.20		<i>Work completed.</i>	100%	
90	17-18	<i>TSS - Providing Sewerage facility to Eastern side of Amayizhanjanthodu between Vanchiyoor Jn and Samad Hospital road jn</i>			0.21	<i>Agreement executed on 13/11/2020 SI No: 90- Demolishing concrete for pipe laying & MH construction started.</i>	7%		
91	17-18	<i>TSS-Rehabilitation of sewer line including cleaning, replacing damaged lines etc at Kozhiyottu, Vilayil lane, Kaithamukku, Thengappura area</i>			0.40	<i>Work temporarily paused due to Election and now restarted. SI no: 91 - 325m/475 M laying completed, MH work in progress.</i>	70%		
92	17-18	<i>TSS- Rehabilitation of damaged sewer network in Amma</i>			0.09	<i>SI No: 92- Work completed</i>	100%		

		<i>Residents area, Palkulangara</i>						
93	17-18	<i>TSS- Rehabilitation of sewer line from Pettah to Railway hospital road</i>		0.50	<i>Work completed.</i>	<i>100%</i>		
94	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Thakaraparambu, Sreekanteswaram Mana caudaiswarya Nagar Area</i>		0.40	<i>Work in progress (2 works clubbed, SI No: 69 & 70) Si No: 94 - 551/551 M pipe laying & 24/24 MH construction completed.</i>	<i>100%</i>		
95	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Enchakkal area</i>		0.40	<i>SI no: 95 - 600/600 M pipe laying completed, 2 out of 2 MH construction completed</i>	<i>100%</i>		
96	17-18	<i>TSS - Reconstruction of dilapidated manholes in Arannoor, Thycaud area under Sewerage Sn 2</i>		0.20	<i>Work completed</i>	<i>100%</i>		
97	17-18	<i>TSS - Reconstruction of dilapidated manholes in Karamana Thaliyal area under Sewerage Sn 2</i>		0.20	<i>Work completed</i>	<i>100%</i>		
98	17-18	<i>TSS - Reconstruction of dilapidated manholes in Poojapura, Mudavanmugal area under Sewerage Sn 2</i>		0.20	<i>Work completed</i>	<i>100%</i>		
99	17-18	<i>AMRUT SAAP -2017-18-TSS Rehabilitation and up gradation of Existing sewer network at Karamana Sathya Nagar Branch lanes of Sreedevi</i>		0.25	<i>Work completed.</i>	<i>100%</i>		

		<i>Nagar under Sewerage Section No.2, Kuriathy</i>						
100	17-18	<i>TSS - Raising of Manhole covers in various wards under Sewerage Sn. 2</i>		0.20	<i>Work completed</i>	<i>100%</i>		
101	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Jagathy kavuvila, Karyakar lane, Valiyasalakavil temple, Arysala Vivekananda street, Vilayil lane, Erakkam road</i>		0.35	<i>Work completed.</i>	<i>100%</i>		
102	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network and interconnections at Valiyasalamladikadavu, Jagathy near sunny pharma, CIT road</i>		0.19	<i>Work completed.</i>	<i>100%</i>		
103	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Kala vihar, Kunnukuzhy</i>		0.50	<i>Work completed.</i>	<i>100%</i>		
104	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Pattom Vrindavan gardens</i>		0.07	<i>Work completed</i>	<i>100%</i>		
105	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Thittakudi temple lane, Vadakkekottah, Puthunagar area</i>		0.56	<i>Work completed.</i>	<i>100%</i>		
106	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Kunninpuram, Vivekananda nagar,</i>		0.56	<i>Work completed.</i>	<i>100%</i>		

		<i>Kailas nagar, NM nagar area</i>						
107	17-18	<i>AMRUT SAAP 17-18 - TSS- Rehabilitation and up gradation of Existing sewer net work at TRWA area, Podiyadi lane, BRWA area Anil Nagar, Ayilliathu Finance road In Thalial area under sewerage Section No:2 Kuriathy.</i>		0.40	<i>Work completed.</i>	<i>100%</i>		
108	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Punnen road near secratariat and Mele Thampanoor area</i>		0.14	<i>Work completed</i>	<i>100%</i>		
109	17-18	<i>TSS- Rehabilitation of sewer line at Melemankattukonam in Nedumcad ward</i>		0.24	<i>Work completed</i>	<i>100%</i>		
110	17-18	<i>TSS- Rehabilitation of sewer line at Thoppil lane, Valiyasala, Sasthrinagar West, cherukodu, Thelunguchettitheruvu area</i>		0.16	<i>Work completed</i>	<i>100%</i>		
111	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Manjalikulam branch road, Ootukuzhy, Vanrosejn branch road</i>		0.34	<i>Pipelaying 135 mtr completed and 6 MH construction completed.</i>	<i>37%</i>		
112	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Thycadu MG Radhakrishnan Jn</i>		0.27	<i>Work completed</i>	<i>100%</i>		

		<i>towards Poundkulam</i>							
113	17-18	Providing sewerage facility to newly constructed residential colony at Karimadom-Part II	G.O(Rt) No: 516/2018/LSGD	22/2/2018	0.35	Work completed	100%	0.00	0.14
		TOTAL			171.69			22.57	49.19
KOLLAM									
SEWERAGE SECTOR									
114	15-16	Sewage Treatment plant - Kureepuzha - Phase I	G.O(Rt) No: 516/2018/LSGD Revised A.S G.O(Rt) No: 1169/2020/LSGD	22/2/2018 Revise A.S 17/06/2020	31.92	Demarcation of boundaries by Taluk surveyors in STP site in progress. For tree cutting- As per the open auction conducted on 15.03.2021, only one participated and rate quoted is very low. So the bidder is called for negotiation. Negotiation done at Kollam Corporation in presence of Corporation Secretary on 31.03.2021 and to be placed in next counsel meeting for approval. Structural design for MBBR approved by WASCON.	2%	0.00	0.02
		TOTAL			31.92				

KOCHI									
SEWERAGE SECTOR									
115	15-16	Rehabilitation of 5MLD STP plant at Elamkulam (Revised AS vide G.O(Rt) No: 205/2020/LSGD Dated 25/01/2020)	G.O(Rt) No: 5/2018/LSGD Revised A.S G.O(Rt) No: 205/2020/LSGD	01/01/2018 Revised A.S 25/01/2020	16.52	2 nos pile out of 13 nos piles completed of Transformer building. 1 pile out of 6 nos piles completed of Sludge Thickner. Dynamic Pile Load test for MBBR tank and Equilization tank done.	12%	0.00	0.04
		TOTAL			16.52				
		TOTAL - SEWERAGE			220.13			22.58	49.25
		GRAND TOTAL (WATER SUPPLY & SEWERAGE)			1347.32			198.39	711.39

Annexure 9

AMRUT- KWA- Ongoing works during 2020-21

SI No:	SAAP YEAR	NAME OF WORK	AS No:	AS DATE	AS AMOUNT (in Crore)	STATUS AS ON MARCH 2021	Physical Progress as on March 2021 (in %)
TRIVANDRUM							
WATER SUPPLY SECTOR							
1	16-17	Construction of smart office in Thiruvananthapuram - Kowdiar, Pongmoodu, Vellayambalam 2016-17	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	1.75	Pongumoodu office - Work completed(Inaugurated on 17/8/20.) Vellayambalam office - Work completed (Inaugurated on 7/8/20), Kowdiar office - Work is going on, Ground floor slab & beam concreting done & 1st floor beam & slab shuttering work, reinforcement work done & concreting also done.	75%
2	16-17	Supplying and Installation of smart meters - Phase I	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	2.29	Meters supplied. Out of 390 meters 152 meters installed. (36%). Installation work is going on.	36%

3	16-17	Supplying and Installation of smart meters - Phase II				<p>Agreement executed on 6.3.2019</p> <p>Interlinking software work was entrusted with Kerala Start-up Mission & they failed to come up to the expectation. The supply & installation of smart meters were awarded to a different agency & they could not start work since the software development got delayed. Hence, Contractor have expressed their unwillingness to continue with the work & requested to relieve them.</p> <p>Work retendered on 03/02/2021. Due to single offer, extended till 18/02/2021. Tender is now opened. 4 offers received. Bids under scrutiny.</p>	
4	17-18	Installation of Flow meters	G.O(Rt) No: 5/2018/LSGD	01-01-18	7.50	<p>Work includes installing flow meters of size 90mm to 1200mm in trunk mains and inlet/outlet of service reservoirs in TMC (53 Nos), Level Transmitter (20 Nos). Out of 53 Nos, 24 nos installed.</p> <p>11 numbers of Flow meter installation is possible only after getting permission from CMG. 1200mm Flow Meter is one among them, which require at least 14 hours of shutdown in Aruvikkara- Peroorkada-Manvila MS pipeline.</p>	46%
KOLLAM							
WATER SUPPLY SECTOR							
	15-16-17-18	Augumentation of water supply scheme Kollam 2015-16, 2016-17, 2017-18			92.08	Work split in to 6 packages and 2 completed.	
5		Construction of weir at Njankadavu across Kallada river	<p>G.O(Rt) No: 3170/2017/LSGD Revised A.S</p> <p>G.O(Rt) No: 31/2020/LSGD</p>	<p>28/9/2017 Revised A.S</p> <p>03/01/2020</p>	18.28	<p>Construction of weir executed through Irrigation Dept. Pile load test & Excavation for retaining wall started. Owing to increase in hieght of ring bund, contractor is not willing to continue the work.</p>	5%

6		Design, Construction, Commissioning and maintaining of 100MLD WTP at Vasoorichira			11.42	24 nos columns in CWR area first lift completed. Shuttering work in CFL1 inner circle. Side wall shuttering work and reinforcement work for columns in CWR area. Excavation in CFL2 completed.	8%
7		Clear Water Pumping main from WTP to 20LL OHSR at TP using 350mm DI			0.10	Work order issued. But the bidder informed that he is not willing to execute the work at LMR. Hence, cancelled. Work retendered on 29/01/2021. No offer. The tender cancelled and to be arranged departmentally	
8		Transformer powerline extension at TP site (KSEB work)			2.75	This work executed through KSEB. Out of 4.5 km of power line extension at Njankadavu 4.2 km of work was completed by laying under ground cables. Remaining portion to be laid with ABC cable. Now 96 % of ABC (Areal Bunched Cable) work completed by KSEB. .	96%
9	16-17	Providing new water connection in Kollam Corporation 2016-17.	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O.(Rt)No.577/2021/LSGD	15/08/2017 Revised A.S 24/02/2021	9.28	Out of 10000 water connections, 8324 Nos of water connections given. Revised A.S received for Rs. 9.275 Cr. Revised TS sanctioned on 16/03/2021. Additional agreement executed on 23/03/2021 for providing balanced connection as per revised TS.	83%
10	17-18	Providing new water connection in Kollam Corporation 2017-18.	G.O(Rt) No: 3652/2017/LSGD	13/11/2017	7.90	Work in progress 2752 connections given (Out of 5820 connections) and work is in progress	47%
ALAPPUZHA							
WATER SUPPLY SECTOR							
	15-16	Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality (Phase-I)			33.9	Work split in to 8 and 5 completed.	
11	15-16	Construction of 28 LL Capacity OHSR at Valiyakulam (Zone-VII)			11.31	Fifth stage column work reinforcement started, brick work progressing, plastering progressing.	55%

12	15-16	Providing Bulk Meters			0.12	<i>The work was tendered 3 times. Since there is no participation in the retender on 12.02.2021, estimate is recasted. The existing rate of the flow meter was prepared in 2012. Now the market rate has increased.</i>	
13	15-16	Setting up 24 x 7 Customer Care Facility			0.20	<i>The work was tendered 4 times. Since no offer, invited quotation and still nil offer.</i>	
	16-17	Water Supply Sector-Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality (Phase-II)				Work divided in to 2 components	
14		Pipe laying	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 781/2021/LSGD	02.11.2017 Revised A.S 26.03.2021	59.11	<i>Out of 126 km, 107 km laid. House connection work in progress. Saction from PWD is being awaited for 2 roads. In the meeting held on 12.04.2021 in Collectorate, oral permission received for laying in one road.</i>	88%
15		Setting up water kiosk				Work completed except trial run.	95%
	17-18	Augmentation and modernization of water supply distribution system in Alappuzha Municipality (Phase-3)				Work divided in to 2 components	
16		Pipe laying	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 781/2021/LSGD	02.11.2017 Revised A.S 26.03.2021	67.22	<i>Out of 191.5 km, 137 km laid. Pipe laying work progress in Nehrutrophy ward. Saction from PWD is being awaited for 6 roads. In the meeting held on 12.04.2021 in Collectorate, oral permission received for laying in one road.</i>	74%
17		Setting up water kiosk				<i>Out of 10 kiosks, 2 nos completed, 6 nos in final stage of completion, 2 nos delayed due to site constraints.</i>	73%
KOCHI							
WATER SUPPLY SECTOR							

18	15-16	Replacement of existing 525mm distribution cum pumping main with 600mm rider pumping main from Karuvelippady to Koovappadam in Kochi Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	3.65	Pipe line laying completed. Construction of dismantled portion of compound wall at office compound is in progress.	99%
19	16-17	Laying pumping main of 500mm DI pipe from JnNURM WTP at Maradu to Pumphouse at Thammanam for additional pumping of water (upto 18 MLD) to Kochi city in Kochi Corporation 2016-17.	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	16.50	Pipe supply completed -5900 m. 2523 m laying completed Permission from NHAI and Railway pending.	36%
20	16-17	Construction of 17LL OHSR and CWR at Pachalam.	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	7.75	Sump wall casting in progress.	33%
21	16-17	Construction of 15LL OHSR and 2LL CWR at Vadathode, Cheranalloor.	G.O(Rt) No: 3166/2017/LSGD	27/9/2017	7.75	Sump completed. OHSR side wall deshuttering work completed at both inside and outside portion. 7th flight of staircase concreting completed. Shuttering work of top roof slab and beam is in progress.	76%
22	16-17	Water supply sector - Kochi Corporation - Laying 500mm DI line from pumphouse at Thammanam to OHSR at Kadavanthara. (Revised A.S)	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	02/11/2017 Revised A.S 04/01/2020	7.76	Pipe laying completed except in railway crossing portion. Trial run can be done after the railway crossing work at Ponnuruni is completed.	99%
23	16-17	Laying of 500mm transmission line from Karthikadavu to proposed Pachalam CWR	G.O(Rt) No: 3530/2017/LSGD	02-11-17	10.70	Work in progress. Out of 4620 m pipe laying, 4176 m completed. Pressure testing in ThammanamPulleppady road and MS work in progress.	94%
24	17-18	Construction of 13 LL Capacity OHSR at Edakochi	G.O(Rt) No: 3530/2017/LSGD	02-11-17	6.00	Reinforcement work of pile cap and plinth beam in progress	30%
25	17-18	Construction of 25 LL OHSR at Karuvelppady	G.O(Rt) No: 3530/2017/LSGD	02-11-17	11.65	Out of 64 piles, casting of 64 piles completed. Pile load test completed. Pile chipping work in progress.	25%

26	17-18	Construction Of 40 LL Capacity OHSR at Kaloor	G.O(Rt) No: 3530/2017/LSGD	02-11-17	15.00	Casting of stage 3 columns of OHSR in progress.	47%
27	17-18	Laying 400 rnm DI K9 pipeline from Perumanoor to Ravipuram for a length of 1270m	G.O(Rt) No: 3530/2017/LSGD	2/11/2017	4.40	<p>Pipe supplied completely & work started. Due to presence of so many utilities existing in the heavily traffic road, work couldnot be continued.The deviation proposed by KWA was not accepted by the Worshipful Mayor.The work was stopped as per the directions issued by the worshipful Mayor in the meeting held on 06/05/2019. As directed on 9/10/2020 by the Additional Chief Secretary, the District Collector has convened a meeting on 22/10/2020 with Worshipful Mayor, Corporation Authorities,KWA officials in presence of the Hon'ble MLA Sri. P.T.Thomas. Considering the space constraints due to the presence of number of existing pipes and cables in Old thevara road and MG road and difficulty in crossing MG road , KWA has suggested to use the existing 450mm CI pipe for 870m from Perumanoor pump house in the same alignment of 400mm DI pipe and to lay balance 400mm DI pipe for 400m to the existing OHSR at Ravipuram.As directed by the Worshipful Mayor, the District collector has instructed to test the 450mm CI pipe and to Check the stability of OHSR at Ravipuram. Provision for stability checking of OHSR is in the agreement of the work. Hence, the contractor was directed to carry out the same through letters and over phone. Now, the contractor expressed unwillingness to resume the work, 30 months after the expiry of the agreement period. It is also reported that Ravipuram tank site is fully water logged, hence filling work and provision of drains should be done, for which an additional amount of Rs.10 lakh is required.</p> <p>The project cost including 2.96 % tender</p>	26%

						excess quoted by the contractor and additional amount needed for doing filling work comes to Rs.231.7 lakh which is within the already accorded AS amount of Rs.440 lakh. Submitted agenda note to SMMU-AMRUT for getting sanction from SHPSC for preclosing the work and arranging the balance work alternatively.	
	17-18	Replacement of 5000 damaged Service water connections	G.O(Rt) No: 3530/2017/LSGD	02-11-17	5.00	Work split in to 7 packages,Out of this, 4 packages executing by PH Division Kochi & 3 packages executing JnNURM Division Kochi. Out of the above, 5 completed.	
28	<i>Kaloor Sub Division (Domestic-300, Non Domestic-90)</i>	<i>Work in progress. Out of 390 Nos, 225 nos completed. (204 domestic and 21 Non Domestic)</i>				57%	
29	<i>Pallimukku - W.W. Sub Division,Kochi - 16 (Domestic-750, Non Domestic-100)</i>	<i>31% completed</i>				31%	
THRISSUR							
WATER SUPPLY SECTOR							
30	15-16	Survey and Replacing of Faulty water meters and fixing new water meters at various service connections in Thrissur Corporation area.	G.O(Rt)No: 1329/2016/LSGD	26/3/2016	3.00	All works completed .except connection work. 378nos connections given out of 500.	86%

31	15-16	Strengthening the existing distribution system to Thrissur Corporation area - Replacement of very old 80/100/125/300 AC and 700mm PREMO pipes with 110/140 PVC and 200/300/350mm DI pipes at various places in Thrissur Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	14.40	Work consists of 1)350 MM DI K9-1071 M 2) 300 MM DI K9-479 M 3) 250 MM DI K9-500 M 4)200 mmDI K9-9156.5 M 5)160 mm PVC-23634 M Out of 34.9 km, 28.211 km laid so far.	82%
32	15-16	Completion of ongoing schemes - UWSS to Ollur and Edakkunni census town villages in Thrissur Corporation - Construction of 20L Ltrs capacity OHSR at Ollur and supplying, laying distribution lines and construction of retaining wall at WTP Arattupuzha.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	11.40	20 Lakh litres capacity OHSR at Industrial Estate, Ollur - Completed, Finishing work ongoing. Laying distribution lines - 98% completed. WTP Compound wall - In progress	96%
33	15-16	Design, construction and commissioning of 3 MLD WTP, reservoir and pumping main for Ollukkara zone	G.O(Rt) No: 516/2018/LSGD	22/2/2018	6.00	Land not handed over from Thrissur corporation. In the meeting convened by Principal Secretary,LSGD on 4.3.2021, the Secretary Thrissur Corporation was directed to do the needful for making available the land to KWA.	
34	16-17	Construction of new treatment plant of 20MLD WTP at Peechi - Phase I	G.O(Rt) No: 3170/2017/LSGD	28-09-17	17.30	WTP fully functional. Road formation work in progress.	98%
35	16-17	Replacement of very old 80/100/125/200/300 AC pipes with 160PVC and 200/300/mm DI pipes at various places in Thrissur corporation	G.O(Rt) No: 3530/2017/LSGD	02-11-17	12.95	Out of 37.3 km, 36.8 km laid so far. Pipe line work at MannuthyParavattany is in progress.	95%
36	17-18	Zoning and mapping of water supply system of Thrissur Corporation- Supply and Laying of various dia pipes-Part-2	G.O(Rt) No: 5/2018/LSGD	01-01-18	17.00	Out of 18.42 km, of distribution network (600mm to 200mmDI pipe), 12.24 km completed.	63%
37	17-18	Laying of distribution lines from existing OHT at Kizhakumpattukara to Nellikunnu area for around 15 km with varying dia pipelines- (Dia 200 mm DI to 110 mm PVC	G.O(Rt) No: 3652/2017/LSGD	13/11/2017	6.00	Out of 115.77 km,71.26 km laid.	59%

38	17-18	Providing Dedicated Feeder from 33KV PattikkadSub station to Pumping Water Treatment Plant.	G.O(Rt) No: 3530/2017/LSGD	02-11-17	3.00	Dedicated feeder line completed. 1000KVA Indoor transformer supplied. Transformer room civil work is in progress. Transformer room roof slab concrete completed. Wall plastering work is completed, flooring in progress.	81%
39	17-18	Construction of 5LL OHSR at Kuttanallur with gravity main and distribution network	G.O(Rt) No: 3530/2017/LSGD	02-11-17	8.00	Laying of CWGM (20LL OHSR at Ollur to Kuttanellur Sump) 250mm DI K-9 Pipe - 3.79/4.272 km completed. Laying of Distribution Network - 5.38km /6.12 km completed. Construction of Valve chambers in progress. Construction of OHSR cum sump to be started,- The site of OHSR cum sump was not handed over by Thrissur Corporation during the time of estimate preparation and so was not able to conduct the soil investigation. Hence, raft foundation was proposed for the 5 LL OHSR cum sump in the NIT. Later the contractor conducted the soil test and as per the results of the soil test, in the design approved by the Chief Engineer (WASCON) the foundation is combined raft with pile. Based on this design, CE (CR) approved the estimate for pile foundation for an amount of Rs. 16,50,000/-, as extra item of the work. The Contractor informed that, he will execute the work using pile foundation only if a revised estimate for the construction of pile foundation is sanctioned at the prevailing local market rate.	55%
40	17-18	Floating intake structure at Peechi Reservoir	G.O(Rt) No: 5/2018/LSGD	01-01-18	5.00	100% pipe supplied,800 mm DI -302m laid out of 318m 700mm DI 56m laid out of 108m, Pump set with accessories supplied, Material of floating intake supplied, Control panel board room completed, Floating intake structure assembly is in progress at Peechi Dam reservoir. Floating pontoon assembly completed. Pump and motor erection work started.	60%

GURUVAYUR

WATER SUPPLY SECTOR

41	15-16	Improvements of coverage in Guruvayur Municipality - Laying distribution network for improvement of coverage in Guruvayur town area & Pookode zone.	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	16.67	Out of 41.18 Km, 37.885 km pipe laid & interconnection works completed.	96%
42	16-17	Construction of 10 LL OHSR and pumping main to Guruvayur, and balance distribution network to the Municipality.	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	17.74	<p>Out of 9300 M, 2535 m pipe supplied and 400 m laid by the contractor of the original work, Sri.Paulose Abraham, The location of site of OHSR was changed two times due to public protest and other technical reasons. The 3rd site selected by Corporation and KWA was not accepted by the contractor. He approached the Hon'ble High Court of Kerala vide WP(C) No 26151 of 2020 requesting either to relieve him off the work or to allow 10% enhancement in rate due to change in design parameters. The Hon'ble High Court directed to consider the request of the contractor.</p> <p>The Managing Director, KWA after conducting a detailed discussion with KWA Engineers and Contractor, decided to terminate the contract and to retender the balance work. Accordingly SE, Thrissur terminated the above work and initiated to arrange the balance works by splitting into small works, due to urgency. 750m of CWPM laying works laid.</p> <p>Construction of 10LL OHSR was tendered seperately and tender opened on 02/03/2021 and submitted to HO. Two offers received. The lowest quoted rate is of 23% above TPAC. The tender committee of H.O decided to award the work to the lowest bidder, at the maximum rate of 10% above the TPAC of Rs. 2,82,42,748/- (DSR 2016, excluding GST), if the tenderer is willing to take up</p>	7%

						the work or else, retender the work after recasting the estimate. Work of CWPM arranged as different parts	
43	16-17	Improvement of water supply system for Guruvayur (Package II) - Phase I & II	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	81.34	Work split in to 2 packages and one completed. Out of 38.987 km (500mm/600mm DI K9 & 630mm HDPE) RWPM - 24 km pipe laying completed.	72%
44	16-17	Laying distribution networks in Thykkad zone - Guruvayur Municipality	G.O(Rt) No: 516/2018/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	22/2/2018 Revised A.S 25/5/2020	12.13	100% pipe supplied. Out of 20.14Km, 19.4 Km laying work completed. Balance pipe is to be laid in PWD common road with other works.	93%
45	17-18	Construction of 10LL OHSR and Pumping Main to Guruvayur including distribution network(continuation project), Location: OHSR at Pookkode, pumping main and distribution at Municipal area.	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	23/12/2017 Revised A.S 25/5/2020	23.00	Out of 52.3 km, 49km of Pipe laying work completed. 850m to be laid in ChavakkadWadakkanchery road along with RWPM and CWPM. 250m of 600mm DI to be laid from proposed 10LL OHSR. Interconnection of 200mm DI from Pancharamuck to Chakkamkandam road to be done.	95%

PALAKKAD

WATER SUPPLY SECTOR

46	16-17	Construction of 45 MLD water treatment plant at Malampuzha, KWA compound and booster station.	G.O(Rt) No: 3170/2017/LSGD	28/09/2017	22.25	<p>Work in progress</p> <ol style="list-style-type: none"> 1. Clear Water Sump: Plastering, cover slab shuttering in progress 2. Filter House: column RCC works upto roof slab in progress 3. Clarifier 1: Only walkway RCC Remaining 4. Clarifier 2: Launder base slab half portion RCC Completed 5. Flash Mixer 1 : Sidewall RCC completed 6. Flash Mixer 2: side wall RCC completed 7. Aerator: Central Shaft RCC up to bottom channel completed. 	63%
47	17-18	Replacement of raw water and clear water pump set, transformers and electrification	G.O(Rt) No: 4165/2017/LSGD Revised A.S	23/12/2017 Revised A.S	13.86	<p><i>Three nos of 350mm and 1 no of 300mm Electro Magnetic flow meters supplied. CW Pump sets expecting delivery in Mid of May. Raw water pump sets delivered.</i></p>	20%
48	17-18	Constuction of OHSR 2 Nos , total 76.5LL capacity	G.O(Rt) No: 777/2021/LSGD	26/3/2021		<p><i>1) 37LL OHSR at Mattumantha - Plastering completed. Store room plastering progressing, painting works progressing</i></p> <p><i>2) 23.5LL OHSR at Moothanthara - Major works finished.</i></p>	92%
	17-18	Augmentation of Water Supply Scheme to Palakkad Maunicipality - Part III- Package II - Providing Rider main, changing of water connections and replacement of existing AC Pipelines to DI/PVC pipelines in Palakkad Muncipality. (Revised AS)	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	85.15	Work tendered as 3 zones	
49	17-18	Mattumantha Zone- Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	28.11	46430m/47613m laid Linking and connection shifting works in progress.	96%

50	17-18	Moothanthara Zone-Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	29.21	44242m/47283m laid Linking and connection shifting works in progress.	96%
51	17-18	Kalmandapam Zone-Phase I	G.O(Rt) No: 4165/2017/LSGD Revised A.S G.O(Rt) No: 26/2020/LSGD	23/12/2017 Revised A.S 03/01/2020	27.83	43996m/43996m laid Linking and connection shifting works in progress.	97%
KOZHIKODE							
WATER SUPPLY SECTOR							
	16-17	Strengthening of existing infrastructure facilities, and quality improvement of CWSS in Kozhikode Corporation			17.27	Work split in to 3 packages, 1 completed.	
52	16-17	Package 1	G.O(Rt) No: 3530/2017/LSGD	02-11-17	6.90	<i>Pipe laying in progress.</i>	53%
53	16-17	Package 3 - Electrical Works			2.70	<i>Work in progress</i>	95%
KANNUR							
WATER SUPPLY SECTOR							
54	16-17	Laying of gravity main from water supply system to Kannur at Melechowa to sump at Avera to OHSR at Thottada including erection of pumpsets at Avera in Kannur Corporation 2016-17	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	6.8	Work completed except railway crossing. Trial run completed with temporary arrangement, Regular water supply started.	98%
TRIVANDRUM							
SEWERAGE SECTOR							
1	15-16	Laying 700mm dia RCC NP3 Pipe sewer trunk main II from Murinjapalam – Kannamoola.	G.O(Rt) No: 534/2017/LSGD Revised A.S G.O.(Rt)No.1938/2020/LSGD	23/02/2017 Revised A.S 16/10/2020	1.64	Out of 636 m, 200 m pipe laying and 8 MH completed.	33%

2	15-16	Decentralized 5MLD sewerage treatment plant (STP) at Medical College including water recycling plant and reuse - Phase I	G.O(Rt) No: 534/2017/LSGD	23-02-17	19.16	Terminal manhole construction done. Intake well mechanical erection done. Blower room erection done. MBBR & equalization tank & tube settler civil work including plastering completed. Hydraulic testing done. Mechanical components erection done. ETP Construction at MC, SAT is ongoing. Admin building plastering completed. Chlorination building plastering done. Chlorinator fixing done. KSEB charged RMU. Screen fixing works @ screen chamber done. Electrification works ongoing. ETP @SCTIMST is started. Intake well to terminal manhole pipeline laying done. White washing done. ETP Construction started @ RCC Campus. SCT Campus trees have been cut by SCT Authorities for construction of ETP. Scheme approved drawing submitted to Electrical inspectorate. Electrical Inspectorate -Dy. CEI conducted inspection at the project site. Hand rail work & recycling line work going on. Tube settler work completed. Chlorination tank pump erection ongoing. Electrical panel works ongoing. Compliance report received from CEI.	87%
3	15-16	Construction of sewerage pump house at Edathara in Thiruvananthapuram Corporation	G.O(Rt) No: 534/2017/LSGD Revised A. S G.O.(Rt)No.1672/2020/LSGD	23/2/2017 Revised A.S 16/09/2020	8.21	Design approved by WASCON. Tree cutting permission received and trees have been cut down. Site clearance has been done. Land to be acquired for laying the gravity connection pipe from grit chamber to manhole in the Poonthi road.	1%

4	15-16	Supplying and Laying 600mm dia DI Pumping main from Pump at Edathara to STP at Muttathara in Thiruvananthapuram Corporation.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	17.29	Out of 8700metre, 53% laying completed. Balance laying in progress. Contractor resumed works from near to YMA Auditorium near Chackai bridge towards railway gate location near Alakku Kadavu. Testing ongoing. Irrigation Authorities accord oral permission to lay the pipes through the irrigation compound and alon thorough Chackai bridge to continue to Karali line. Testing done @airprt bridge & @ YMA road from temple up to railway gate south. From YMA Road pipe laying continues through the Irrigation compound towards Karali line & laid. Continuing the laying through Alummoottil Residents line towards Karali line.	53%
	16-17	Providing new network in the missing areas of the core city in Thiruvananthapuram			7.98	Split in to 14 works out of this 10 nos completed.	
5	16-17	<i>Tss- E Block Zone II - Laying 700mm dia sewer main from Jagathy towards common manhole at Vivekananda Nagar Ist Reach ch 0m to 259m</i>	G.O(Rt) No: 3530/2017/LSGD	02-11-17	0.90	<i>270 m pipe laid. Balance in progress. (2 works clubbed, Sl No:27 & 28)</i>	87%
6	16-17	<i>Tss- E Block Zone II - Laying 700mm dia sewer main from Jagathy towards common manhole at Vivekananda Nagar IInd Reach ch 259m to 512m</i>			1.00		87%
7	16-17	<i>TSS-Urgent laying of 300mm dia HDPE, pipe and construction of new manholes at Chengalloor and Vattavila of Punnakkamugal ward.</i>			1.03	<i>255 mtr pipe laying completed, and 5 MH completed.</i>	24%
8	16-17	<i>TSS - Laying 250 mm dia DI K9 pumping main from Mudavanmugal Pump House to Jagathy Junction and construction of Stilling Chamber at Jagathy Junction</i>			3.00	<i>Agreement executed. Pipe supplied. Delay occured in receiving PWD sanction. Contractor has not started the work. Final notice issued to Contractor by SE, PH Circle, Tvm. Estimate recasted for retendering at the risk</i>	

						<i>and cost of Contractor.</i>	
	16-17	Laying transmission main and sewer networks in Block L (Edathara) -Collection and Conveyance system			29.94	Work split into 6 packages.	
9	16-17	<i>(a) Laying trunk main from Stilling chamber at Pulayanarkotta to MH 10 of Pumping station at Edathara (Part 1)</i>	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O.(Rt)No.1672/2020/LSGD	02-11-2017 Revised A.S 16/09/2020	15.58	700 mm RCC NP3 pipe -300 m completed out of 304.00m 800 mm RCC NP3 pipe - 425m completed out of 1120.00m 1000mm RCC NP3 pipe - 250 m completed out of 1690.0 m Construction of MH 26 nos completed out of 110 nos Stilling chamber-completed	25%
10	16-17	<i>Supplying and laying sewer line through Pettah Venpalavattom road, Greenpark road and side of Amayizhanjanthodu and to MH 7 Edathara zone</i>			2.94	Tender invited with opening on 27.10.2020. No offer received in the first tender call. Retendered after election code of conduct. Opening was on 13.1.2021. No offer received. Retendered on 21.01.2021 with due date on 15.2.2021 Extended to 23-02-2021. No offer, again extended up to 4.3.2021, 15.03.2021. No offer. Again extended to 5.4.2021. Single offer received with high quote. Tender cancelled.	
11	16-17	<i>Laying transmission main and sewer network in blok L Edathara- collection nd conveyance system- Supply and laying trunk main from stilling chamber at Udhaya Garden to MH 89- pakage 3</i>			1.96	1) 500mm RCC NP3 pipe for laying length of 460 /474.00 m & 30.00 for interconnection with MH 2) 600mm RCC NP3 pipe for laying length of 80/ 620.00 m & 24.00 for interconnection with MH 3) construction of 19/54 nos of MH. Construction of stilling chamber - completed	48%

12	16-17	<i>Sewer network from Pettah Arasumood junction to MH-7 Edathara pumping station package 4</i>			4.93	<p>First Tender - Two offer received. Due to high quoted rate in the first tender call. Tender cancelled</p> <p>First Tender(after estimate revision) Two offer received. Due to high quoted rate in the first tender call.tender cancelled.</p> <p>First re-tender. Two offer received.lowest offer (31.50 % above TPAC). Openend on 30.7.2020. KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT.</p> <p>27th SHPSC approved the tender excess and accorded revised A.S. Tender Sanction Proceedings issued on 24.02.2021 and W.O issued on 25.02.2021 and agreement executed on 28.02.2021.</p>	
13	16-17	<i>Laying sewer network in L block (Edathara) from MH 110 to MH 150 (package 5)</i>			1.76	<p>First Tender -Two offer received.Due to high quoted rate in the first tender call tender cancelled</p> <p>First Tender(After revision) - Two offer. Due to high quoted rate in the first tender call. Tender cancelled</p> <p>First re-tender -tender openend on 24.7.2020.Single offer offer received.43% above.</p> <p>KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT.</p> <p>27th SHPSC approved the tender excess and accorded revised A.S Tender Sanction Proceedings issued on 24.02.2021 and W.O issued on 25.02.2021 and agreement executed on 28.02.2021.</p>	
14	16-17	<i>AMRUT-Laying transmission main and sewer network in in Block L Edathara-collection and conveyance system- Laying Sewer network by HDD method from MH 10 towards KIIMS Hospital (Package 6)</i>			2.77	<p>Tender openend on 30.7.2020.</p> <p>Two offers received.33.95 % and 24.05 % above.</p> <p>KWA Board held on 23.12.2020 approved the tender, subject to approval of SHPSC, AMRUT.</p> <p>27th SHPSC approved the tender excess and accorded revised A.S. Tender Sanction Proceedings issued on 24.02.2021 and W.O</p>	

						issued on 25.02.2021 and agreement executed on 28.02.2021.	
15	17-18	Supplying and erection of pumpsets, transformer and electrical accessories in the Block- L, Edathara Pumping Station	G.O(Rt) No: 3530/2017/LSGD Revised A.S G.O(Rt) No: 769/2019/LSGD	02/11/2017 Revised A.S 30/3/2019	4.00	First Tender -No offer First re-tender(RT1)- No offer Second re-tender (RT2)- no offer Third re-tender (RT3-) -No offer Fourth re-tender (RT4) -Single offer received. Tender opened on 6.8.2020 (31.99 % above TPAC). Tender committee met on 4/11/2020 in H.O decided to cancel the tender. Retendered with opening date 27.01.2021. Single offer received.Tender cancelled. Estimate to be recasted.	
16	17-18	Construction of Pumping station at Akkulam (Block K)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.00	1) 2 nos of well of dia 6.5 m ,well 1=13.8 m completed, well 2=15.0 m completed, RCC plugging completed 2) Grit chamber of size 12.7x4.9 =not started 3)Construction of pump house compound wall = not started 4)construction of 4 nos of MH=not started	24%
17	17-18	Supplying and laying Transmission main in Block K (Akkulam) to connect stilling chamber at Bypass junction to pumping station at Akkulam collection and conveyance system	G.O(Rt) No: 3530/2017/LSGD	02-11-17	7.00	630 mm HDPE - 728 M completed out of 971.00 m Construction of MH, outof 40 nos, 9 completed & 2 in progress	37%
18	17-18	Supplying and erection of pumpsets, transformer and electrical accessories in the Akkulam Pumping Station (Block K)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.80	Tender opened on 5.10.2020. Single offer received 45% above TPAC. Tender placed in the tender committee in Head Office held on 30/11/2020 and 20.12.20. Directed SE to retender the work. Estimate recasted. To be retendered.	

19	17-18	Construction of Pumping station at Karimanal (Block J)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.00	Well no.1&2 works in progress. Excavation for the compound wall construction in progress;Steel works in the bottom slab of the grit chamber in progress.	59%
		Laying Transmission main and sewer networks in Block J (Karimanal) - Collection & Conveyance system				Work split in to 3 components	
20		<i>Trunk main to Karimanal</i>				13nos of manhole works partially completed,2 nos of man hole works is going to complete,2 nos of manhole works started.	25%
21	17-18	<i>Sewer network from Bypass Jn (Kuzhivila) to MH3 of trunk main from Arasumoodu to Karimanal Pumping station</i>	G.O(Rt) No: 3530/2017/LSGD	02-11-17	15.02	<i>First Tender - Single offer received. Noadditional offer received. Tender cancelled. First re-tender(RT1) -Single offer received. Due to high quote rate tender cancelled (90% above) Second re-tender (RT2) No offer received. Hence cancelled. Third re-tender (RT3) -No offer received. Hence cancelled. Forth re-tender (RT4) - No offer received. Hence cancelled. Fifth re-tender (RT5) - Single offer received. Single offer received 49 % above TPAC. Tender placed in the tender committee in H.O. held on 30/11/2020. Decided to retender the work. Estimate under scrutiny.TS to be issued. To be retendered</i>	
22		<i>Inter connection sewer networks from trunk main man holes of both sides of the road from Arasumoodu</i>				98 nos of small connection manhole works done.	17%
	17-18	Providing Sewer trunk from Kazhakoottam area to Pumping station of I Block through the bank of ThettiyarThodu - Collection & Conveyance system and pumping station, pumps and electrical installation, Pumping			10.56	Work split into 4 packages, one completed.	

		mains (Block I)				
23	17-18	(B) Well at Kulathoor			3.00	Site levelling in progress & the design, layout works are in progress after the fixing of the boundary by the technopark officials. Mix design and steel samples submitted to KHRI. 2%
24	17-18	(C) Sewer transmission main to Kulathoor			4.80	Work order issued on 27.5.2020. Agreement not executed. Final notice issued to the firm on 10.10.2020 for executing the agreement on or before 23.10.2020. The tender has been cancelled. Since GST was not included in the estimate, the estimate has to be revised and revised. Estimate under scrutiny. TS to be issued. To be retendered.
25	17-18	(D) Supplying and Erection of Pumpsets, transformer and electrical accessories in the Kulathur Pumping Station			1.70	Status same of package B (Combined tender for package B & D) 2%
26	17-18	Supplying and erection of pumpsets, transformer and electrical accessories in the Karimanal Pumping Station (Block J)	G.O(Rt) No: 3530/2017/LSGD	02-11-17	1.50	First tender - No offer, cancelled. First Tender (after estimate revised with GST component) - No offer First re-tender (RT1) -. No offer Second re-tender (RT2) Single offer received 64 % above TPAC. On verification, peak flow of 0.29 m ³ /s cannot be met by the proposed pumpsets. Hence CE (SR) directed SE, Trivandrum to cancel and retender the work immediately. Retendered with opening 8/2/2021. No offer received. Electrical specifications under the scrutiny of Special Officer, Electrical. To be retendered.
27	17-18	Providing mechanical Sludge drying unit at Muttathara 107 Mld STP	G.O(Rt) No: 5/2018/LSGD	01-01-18	5.00	Work order issued on 25/01/2021. But the bidder has informed that the amount of proposed tender is not enough to complete the plant and ten year maintenance and hence the firm is quitting the work. Hence, the tender is cancelled and re-tendering work is in progress. An expert committee of Environmental Engineers were assigned to

						check the design of the project.	
28	17-18	Providing new networks (Sewerage facility in the Kalladimugham Housing Colony)	G.O(Rt) No: 5/2018/LSGD Revised A.S G.O.(Rt)No.1672/2020/LSGD	01-01-2018 Revised A.S 16-09-2020	13.15	3350mm DI Pumping Main 2679 m has been laid, 150mm SW Pipe 780m laid 59 Man holes Have been completed. 250 mm SW Pipe 170m laid 10 Nos Man Hole completed. Due to public agitation taking trial pit for laying of pumping main in front of PoonthuraPuthen pally, laying work in this area has been stopped. Well Scoping Vth lift Concrete completed.	53%
	17-18	Providing new network in the missing areas of core city	G.O(Rt) No: 5/2018/LSGD	01-01-18	9.95	Work split into 46 packages and 43 completed.	
29	17-18	<i>TSS - Providing Sewerage facility to Eastern side of Amayizhanjanthodu between Vanchiyoor Jn and Samad Hospital road jn</i>			0.21	<i>Demolishing concrete for pipe laying & MH construction started. Work temporarily paused due to Election and now restarted.</i>	7%
30	17-18	<i>TSS-Rehabilitation of sewer line including cleaning, replacing damaged lines etc at Kozhiyottu, Vilayil lane, Kaithamukku, Thengappura area</i>			0.40	<i>325m/475 M laying completed, MH work in progress.</i>	70%
31	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Manjalikulam branch road, Ootukuzhy, Vanrosejn branch road</i>			0.34	<i>Pipelaying 135 mtr completed and 6 MH construction completed.</i>	37%
KOLLAM							
SEWERAGE SECTOR							

32	15-16	Sewage Treatment plant - Kureepuzha - Phase I	G.O(Rt) No: 516/2018/LSGD Revised A.S G.O(Rt) No: 1169/2020/LSGD	22/2/2018 Revise A.S 17/06/2020	31.92	Demarcation of boundaries by Taluk surveyors in STP site in progress. For tree cutting- As per the open auction conducted on 15.03.2021, only one participated and rate quoted is very low. So the bidder is called for negotiation. Negotiation done at Kollam Corporation in presence of Corporation Secretary on 31.03.2021 and to be placed in next counsel meeting for approval. Structural design for MBBR approved by WASCON.	2%
KOCHI							
SEWERAGE SECTOR							
33	15-16	Rehabilitation of 5MLD STP plant at Elamkulam (Revised AS vide G.O(Rt) No: 205/2020/LSGD Dated 25/01/2020)	G.O(Rt) No: 5/2018/LSGD Revised A.S G.O(Rt) No: 205/2020/LSGD	01/01/2018 Revised A.S 25/01/2020	16.52	2 nos pile out of 13 nos piles completed of Transformer building. 1 pile out of 6 nos piles completed of Sludge Thickner. Dynamic Pile Load test for MBBR tank and Equilization tank done.	12%

Annexure 10

AMRUT- KWA- Works Completed during 2020-2021

SI No:	SAAP YEAR	NAME OF WORK	AS No:	AS DATE	AS AMOUNT (in Crore)	STATUS AS ON MARCH 2021
TRIVANDRUM						
WATER SUPPLY SECTOR						
1	15-16	Improvement of water supply scheme - Construction of 75mld Water Treatment Plant at Aruvikkara - Phase I	G.O(Rt) No: 534/2017/LSGD	23/2/2017	70.00	Completed.
	17-18	Replacement of the existing damaged pipe lines & Alteration of house connections of Thiruvananthapuram water supply scheme	G.O(Rt) No: 3652/2017/LSGD	13-11-17	15.00	Work split in to 32 works and all completed. Out of this, 3 completed in 2020-21.
2	17-18	<i>Replacing existing 150 mm AC along Ambalamukku - Oolampara road</i>			0.43	<i>Work completed.</i>
3	17-18	<i>Replacement of existing 100mm GI pipe with 110mm pvc at Chalai area</i>			0.69	<i>Work completed.</i>
4	17-18	<i>TWSS – Alteration of House connections to the JICA and Junnurm line in Cheriya muttam area (Package 1)</i>			0.43	<i>Work completed</i>
KOLLAM						
WATER SUPPLY SECTOR						

5	15-16	Replacement of contaminated AC pipe lines in Kollam Corporation - Laying distribution main from Andamukkam, Thamarakulam, Contonment area from OH tank near Parvathy mill, Chinnakada to Mundakkal beach area from no: 3/4 (250mm DI K9 pipe -3500, 110mm PVC - 2500m, 63mm ASTM pipe - 750m).		26/3/2016		Work completed.
	15-16-17-18	Augumentation of water supply scheme Kollam 2015-16, 2016-17, 2017-18 (Revised AS vide G.O(Rt) No: 31/2020/LSGD Dated 03/01/2020)	G.O(Rt) No: 3170/2017/LSGD Revised A.S	28/9/2017 Revised A.S	92.08	Work split in to 6 packages and 2 completed. Out of this, one completed in 2020-21.
6		Supplying laying commissioning and maintaining 500mm DI K9 CWPM from TP to OHSR at Vadakkevila (3520m)	G.O(Rt) No: 31/2020/LSGD	03/01/2020	4.33	Work completed

ALAPPUZHA

WATER SUPPLY SECTOR

	15-16	Augmentation & Modernization of Water Supply Distribution System in Alappuzha Municipality (Phase-I)			33.9	Work split in to 8 and 5 completed. Out of this, 4 completed in 2020-21.
7	15-16	Construction of 21 LL Capacity OHSR at Kommadi (Zone-1)			9.27	<i>Completed</i>
8	15-16	Construction of 12.00LL Capacity OHSR at Thathampally (Zone-IV)	G.O(Rt) No: 534/2017/LSGD	23/2/2017	6.50	<i>Completed</i>
9	15-16	Construction of 10 LL Capacity OHSR at Pazhavangadi (Zone-VI)			5.72	<i>Completed</i>
10	15-16	Setting up Water Kiosks			0.12	<i>Completed</i>

KOCHI

WATER SUPPLY SECTOR

11	16-17	Laying rider main form Kathrikadavu to Elamkulam, Chettichira, Ponnurunni areas and distribution lines in Chakkaraparambu, Chalikkavattom areas 2016-17 (Revised A.S)	G.O(Rt) No: 2800/2017/LSGD Revised A.S G.O(Rt) No: 36/2020/LSGD	15/08/2017 Revised A.S - 04/01/2020	3.65	Completed
	17-18	Replacement of 5000 damaged Service water connections				Work split in to 7 packages, Out of this, 4 packages executing by PH Division Kochi & 3 packages executing JnNURM Division Kochi. 5 completed during 2020-21.
12		<i>Karuvelippady Sub division (Domestic- 950, Non Domestic-100)</i>	G.O(Rt) No: 3530/2017/LSGD	02-11-17	5.00	<i>Work completed</i>
13		<i>Vyttila Sub Division (Domestic-600, Non Domestic-160)</i>				<i>Work completed</i>
14		<i>Shifting of existing water connections in Vennala-Janatha road, Arakkakadavu road and Subhash Chandra Bose road</i>				<i>Work completed</i>
15		<i>Pandit Karuppan Road</i>				<i>Work completed</i>
16		<i>Valanjambalam- Ravipuram Road</i>				<i>Work completed</i>
THRISSUR						
WATER SUPPLY SECTOR						

17	16-17	Zoning and mapping of water supply system of Thrissur Corporation- Supply and Laying of various dia pipes-Part-1	G.O(Rt) No: 5/2018/LSGD	01-01-18	8.00	Work completed.
18	17-18	Construction of 10LL OHSR at Anappara with pumping system and pumping main from Cherur to Anappara- Improvements of water supply system in Dn. 6, 7 and 8 of Thrissur Corporation- Part -1	G.O(Rt) No: 3530/2017/LSGD	02-11-17	8.00	Completed.
GURUVAYUR						
WATER SUPPLY SECTOR						
19	16-17	Improvement of water supply system for Guruvayur (Package II) - Phase I & II	G.O(Rt) No: 3170/2017/LSGD Revised A.S G.O(Rt) No: 961/2020/LSGD	28/9/2017 Revised A.S 25/5/2020	81.34	<i>Work split in to 2 packages and one completed in 2020-21.</i>
PALAKKAD						
WATER SUPPLY SECTOR						
20	15-16	Providing new pumping main 600mm DI-K9 - 3400m from Puthur Jn. to Moothanthara OHSR (Part-1)	G.O(Rt) No: 534/2017/LSGD	23/2/2017	5.44	Work completed
21	15-16	Providing new pumping main 450mm DI-K9 - 4650m from Mattumantha to Kalmandapam.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	4.56	Work completed

22	16-17	600mm DI K9 New pumping main - From Malampuzha WTP to Mattumantha DI- K9 pipe 600 mm – 2850 m.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	6.25	Work completed
23	16-17	Supply and erection of electromagnetic flow meter.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	0.50	Work completed
24	16-17	Construction of 16L Ltrs OHSR at Kalmandapam KWA and demolishing the existing OHSR.	G.O(Rt) No: 2800/2017/LSGD	15/08/2017	3.00	Work completed
KOZHICODE						
WATER SUPPLY SECTOR						
	15-16	Rehabilitation of old pipes, valves, interconnections with existing lines and providing water meters			17.87	Work split in to 8 packages and all completed. Out of this, 5 completed in 2020-21.
25	15-16	Package 1	G.O(Rt) No: 534/2017/LSGD	23/02/2017	1.86	<i>Work completed</i>
26	15-16	Package 4			1.93	<i>Work completed</i>
27	15-16	Package 5			3.09	<i>Work completed</i>
28	15-16	Package 7			0.63	<i>Work completed</i>
29	15-16	Package 8			1.67	<i>Work completed</i>
	16-17	Strengthening of existing infrastructure facilities, and quality improvement of CWSS in Kozhikode Corporation			17.27	Work split in to 3 packages, 1 completed during 2020-21.

30	16-17	Package 2-Civil Works			4.00	<i>Work completed</i>
	17-18	Integrated Calicut Water Supply Project - phase 2 - Laying of distribution Lines in 10 zones			46.55	Work split in to 10 packages and all completed. 9 completed during 2020-21.
31	17-18	Package 1-Balamandiram	G.O(Rt) No: 5/2018/LSGD	01-01-18	1.29	Work completed
32	17-18	Package 2 - East hill zone			5.03	Work completed
33	17-18	Package 3- Elathur zone			1.60	Work completed
34	17-18	Package 4-Eravathukunnu north one			1.92	Work completed
35	17-18	Package 5-Eravathukunnu south zone			4.71	Work completed
36	17-18	Package 6-Malaparamba zone			5.17	Work completed
37	17-18	Package 7-Pottammel zone			6.80	Work completed
38	17-18	Package 9-Kovoor zone			6.51	<i>Work completed</i>
39	17-18	Package 10-Beypur zone			10.67	<i>Work completed</i>
KANNUR						
WATER SUPPLY SECTOR						

40	15-16	Laying Gravity Main from JICA project at Mangattuparamba to Pallikunnu OHSR for Pallikkunnu&Puzhathi Villages.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	23.5	Work Completed
41	15-16	Construction of 24LL OHSR at Pallikkunnu for Pallikkunnu&Puzhathi Villages.	G.O(Rt) No: 534/2017/LSGD	23/2/2017	4.05	Work Completed
42	15-16	Rehabilitation of old distribution networks, valves, house service connections and inter-connections in Kannur Corporation SAAP 2015-16	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	17.7	Work Completed
43	16-17	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges-Phase II at Pallikkunnu.	G.O(Rt) No: 3170/2017/LSGD	28/9/2017	15.62	Work completed
44	16-17	Enhancing capacity of treatment plant from 30 MLD to 40 MLD including modernisation of existing treatment plant.	G.O(Rt) No: 3530/2017/LSGD	02-11-17	7.8	Work Completed
45	17-18	Supplying and Laying new distribution lines in Pallikkunnu and Puzhathi area providing new service connection and inter connection with existing lines.	G.O(Rt) No: 3530/2017/LSGD	02-11-17	4.25	Work Completed
46	17-18	Laying new distribution line and providing new service connection at Elayavoor zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	8.36	Work Completed
47	17-18	Laying new distribution line 385km and providing new service connection at Edakkad zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	5.79	Work completed

48	17-18	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges (PWD/ NH/ Corporation)at Elayavoor zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	11.57	Work completed
49	17-18	Rehabilitation of existing old distribution network, valves, house service connection and inter-connections with existing lines and providing flow meters etc., including road reformation charges (PWD/ NH/ Corporation)at Edakkad zone	G.O(Rt) No: 4165/2017/LSGD	23/12/2017	8.95	Work completed
TRIVANDRUM						
SEWERAGE SECTOR						
	16-17	Rehabilitation of existing networks in various blocks of Thiruvananthapuram sewerage scheme			3.84	Split in to 23 works and all completed. 5 completed during 2020-21.
1	16-17	<i>AMRUT- TSS Rehabilitation - Reconstruction of dilapidated man holes at Ambujavilasom, malloor road, Chettikulangara, Athani, Amba nagar, Mullassery, Chirakkulam, Thengapura, Mulluvilakom, Pettah, Rishimangalam, Palkulangara, Chempakassery, Kaithamukku, Pattooretc under Sewerage Section I, Kuriyathy</i>			0.31	<i>Work completed.</i>
2	16-17	<i>AMRUT -TSS Rehabilitation - Increasing the size of existing sewer main using 400mm dia RCC NP3 pipe from Edappazhinji towards CSM Nagar I Reach Ch.0 M to 379m</i>			0.83	<i>Work completed.</i>
3	16-17	<i>AMRUT-TSS Rehabilitation -Increasing in size of existing sewer main using 400mm dia RCC NP3 pipe from Edappazhinji towards CSM Nagar II Reach Ch.379M to 817m</i>			0.72	<i>Work completed.</i>

4	16-17	<i>AMRUT-TSS Rehabilitation - Dismantling existing damaged 100mm dia SW sewer line and laying 200mm dia SW pipe and construction of manholes at Madathuvila Lane Edappazhinji</i>			0.02	<i>Work completed.</i>
5	16-17	<i>TSS - AMRUT -Rehabilitation -- Dismantling of damaged brick manhole and re-constructing with RCC manhole at Attara lane, Kannammoola under Sewerage Section Sasthamangalam</i>			0.04	<i>Work completed.</i>
	17-18	Providing new network in the missing areas of core city	G.O(Rt) No: 5/2018/LSGD	01-01-18	9.95	Work split into 46 packages and 43 completed. Out of this 14 completed in 2020-21
6	17-18	<i>TSS - Reconstruction of dilapidated manholes in Manacaud, Sreevaraham, Kalippankulam, Enchakkal area under Sewerage Sn 1</i>			0.21	<i>Work completed.</i>
7	17-18	<i>TSS - Reconstruction of dilapidated manholes in Chalai, Fort, Chenthitta, Attukal, Pazhavangadi, Powerhouse area under Sewerage Sn 1</i>			0.21	<i>Work completed.</i>
8	17-18	<i>TSS - Reconstruction of dilapidated manholes in Vanchiyoor, Pulimoodu, chirakulam, Uppidamoodu, Pallimukku area under Sewerage Sn 1</i>			0.21	<i>Work completed.</i>
9	17-18	<i>TSS- Rehabilitation of damaged sewer network in Amma Residents area, Palkulangara</i>			0.09	<i>Work completed.</i>
10	17-18	<i>TSS- Rehabilitation of sewer line from Pettah to Railway hospital road</i>			0.50	<i>Work completed.</i>
11	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Thakaraparambu, Sreekanteswaram Manacaud Aiswarya Nagar Area</i>			0.40	<i>Work completed.</i>
12	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Enchakkal area</i>			0.40	<i>Work completed.</i>

13	17-18	<i>AMRUT SAAP -2017-18-TSS Rehabilitation and up gradation of Existing sewer net work at Karamana Sathya Nagar Branch lanes of Sreedevi Nagar under Sewerage Section No.2, Kuriathy</i>			0.25	<i>Work completed.</i>
14	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Jagathy kavuvila, Karyakar lane, Valiyasalakavil temple, Arysala Vivekananda street, Vilayil lane, Erakkam road</i>			0.35	<i>Work completed.</i>
15	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Kala vihar, Kunnukuzhy</i>			0.50	<i>Work completed.</i>
16	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Thittakudi temple lane, Vadakkekottah, Puthunagar area</i>			0.56	<i>Work completed.</i>
17	17-18	<i>AMRUT SAAP 17-18 - TSS- Rehabilitation and up gradation of Existing sewer net work at TRWA area, Podiyadi lane, BRWA area Anil Nagar, Ayilliathu Finance road In Thalial area under sewerage Section No:2 Kuriathy.</i>			0.40	<i>Work completed.</i>
18	17-18	<i>TSS-Rehabilitation and upgradation of existing sewer network at Punnen road near secratariat and Mele Thampanoor area</i>			0.14	<i>Work completed</i>
19	17-18	<i>TSS- Rehabilitation of sewer line at Thoppil lane, Valiyasala, Sasthrinagar West, cherukodu, Thelunguchettitheruvu area</i>			0.16	<i>Work completed</i>

Annexure 11

JICA Project Progress

Sl. No.	Schemes	Planned Progress %	Achieved Progress %
1	Thiruvananthapuram Scheme	100	98
2	Meenad Scheme	100	98
3	Cherthala Scheme	100	100
4	Kozhikkode Scheme	100	96
5	Pattuvam Scheme	100	100

JICA Physical progress achieved as on 31.03.2021

Scheme	Package	Description	Status of completion	Remarks
Thiruvananthapuram	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Thiruvananthapuram	II	Treated Water Transmission Pipeline	100%	Completed
Thiruvananthapuram	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII -R1
Thiruvananthapuram	IIIR1	Distribution Systems-Balance works	100%	Completed
Thiruvananthapuram	IV	Service Reservoirs	100%	Completed
Thiruvananthapuram	V	Rehabilitation Works of Existing System	95%	Work terminated due to breach of contract and rearranged
MND	I	Intake, Raw Water Pipeline and WTP	100%	Completed
MND	II	Treated Water Transmission Pipeline	100%	Completed
MND	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII -R1
MND	IIIR1	Distribution Systems-Balance works	43.15%	Terminated due to poor progress. Balance work re-tendered and arranged as new contract P3RR1
MND	IIIRR1	Distribution Systems-Balance works	75%	Work closed as per KWA Board Resolution dated 03.01.2020
MND	IV	Service Reservoirs	100%	Completed
Cherthala	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Cherthala	II	Treated Water Transmission Pipeline	100%	Completed
Cherthala	III	Distribution Systems	100%	Completed
Cherthala	IV	Service Reservoirs	100%	Completed
Kozhikkodu	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Kozhikkodu	IIA	Treated Water Transmission Pipeline	100%	Completed
Kozhikkodu	IIB	Treated Water Transmission Pipeline	100%	Completed
Kozhikkodu	III	Distribution Systems	Work terminated	Contract terminated and rearranged as PIII

			&Contract closed	-R1 & R2
Kozhikkodu	IIIR1	Distribution Systems - Balance works	64%	Contract closed as on 31.03.2020
Kozhikkodu	IIIR2	Distribution Systems- Balance works	74%	Contract closed as on 31.03.2020
Kozhikkodu	IV	Service Reservoirs	100%	Completed
Kozhikkodu	IVR1	Service Reservoirs at Thalakulathur	100%	Completed
Kozhikkodu	IVR2	Service Reservoirs at Kakkur	100%	Completed
Kozhikkodu	IVR3	Service Reservoirs at Narikunni	100%	Completed
Kozhikkodu	V	Rehabilitation Works of Existing System	100%	Completed
Pattuvam	I	Intake, Raw Water Pipeline and WTP	100%	Completed
Pattuvam	II	Treated Water Transmission Pipeline	100%	Completed
Pattuvam	III	Distribution Systems	Work terminated & Contract closed	Contract terminated and rearranged as PIII -R1 , R5 & R6
Pattuvam	IIIR1	Distribution Systems - Balance works	100%	Completed
Pattuvam	IIIR5	Distribution Systems- Balance works	100%	Completed
Pattuvam	IIIR6	Distribution Systems - Balance works	100%	Completed
Pattuvam	IV	Service Reservoirs	100%	Completed

Annexure 12

PPD Regional Office, Thiruvananthapuram

SI No	Description	Panchayaths / Municipality	Details of work	Name of office for which the work is carried out	Remarks
A	WATER SUPPLY WORKS				
	(1) DER COMPLETED				
	2020-21				
	District: Thiruvananthapuram				
			Nil		
	District: Kollam				
1	WSS to Airanelloor village	Distribution Network	Distribution network	Project Division, Kollam	DER submitted
2	WSS to Sasthamcotta Pt	Sasthamcotta	Distribution network	Project Division, Kollam	DER submitted
3	WSS to Thevalakkara Panchayaths	Thevalkkara	Distribution network	Project Division, Kollam	DER submitted
4	WSS to Thekkumbhagam Panchayaths-	Thekkumbhagam	Distribution network	Project Division, Kollam	DER submitted
	District: Pathanamthitta				
1	WSS to Kozhenchery	Kozhenchery		Project Division, Adoor	DER submitted
2	WSS to Ranni, Angadi, Kottanad	Ranni, Angadi, Kottanad		Project Division, Adoor	DER submitted
3	WSS to Mallapally, Anicad & Kottangal	Mallapally, Anicad, Kottangal (Part)		Project Division, Adoor	DER submitted
4	WSS to Aruvappulam panchayath (part) in wards 1,2,14&15 .	Aruvappulam panchayath (part)		Project Division, Adoor	DER submitted
	District: Kottayam				
1	CWSS to Ramapuram and Adj.Panchayaths	Ramapuram,	Production Component	Project Division, Kottayam	Soft copy of Draft DER submitted
2	WSS to Akalakunnam & Mutholi, Kozhuvanal Panchayath	Akalakunnam panchayath	Distribution network	Project Division, Kottayam	DER submitted
3	WSS to Ayarkunnam, Kooroppada and Pampadypanchayths	Ayarkunnam Panchayath	Distribution network	Project Division, Kottayam	DER submitted
	(2) SURVEY WORK				
	District: Thiruvananthapuram				
	2020-21				

1	CWSS to Vamanapuram,Nellanadu and Manickal GPs	Vamanapuram,Nellanadu and Manickal Pt	Production components & Distribution network	Project Division, Thiruvananthapuram	Survey work & Drawing completed.
2	WSS toVithuraTholicode and adjoining villages- Feasibility study for extension of distribution network to 14 tribal colonies of Tholicodu village	Tholicodupt	Extension of Distribution net work	Project Division, Thiruvananthapuram	Survey work completed & Drawing submitted
3	Drinking Water Project in the Coastel area of Chirayinkeezhu constituency	Chirayinkeezhu	Distribution Network	Project Division, Thiruvananthapuram	Survey work completed (outsourced). Drawing submitted to Project Division for aslaid marking
District: Kollam					
2020-21					
1	Augmentation of Water Supply Scheme to Kollam Corporation Phase –III-Distribution system	Kollam Corporation	Survey work supervision	Project Division, Kollam	Work stopped on 05-01-2021 due to delay of getting time extension and no response from the contractor after repeated request and Randam checking for first 10 KM is Completed
2	WSS to Kottarakkara&Neduvathoor - Phase II Distribution	Kottarakkara Municipality / Neduvathoor Panchayath	Distribution Network, Kottarakkara -68.26 km, Neduvathoor -172.77 km	Project Division, Kollam	Survey completed, Site for WTP change in and OHSR to be finalised Land issues is still pending reported to Project Division and oral direction of SE the drawing for Kottarakkara municipality submitted to Project division on 09-05-2021 through mail.
3	WSS to Sooranad South	Sooranad South	Distribution network	Project Division, Kollam	DER to be submitted on or before 01-07-2021

4	WSS to West Kallada	WestKallada	Distribution network	Project Division, Kollam	DER to be submitted on or before 01-07-2021
5	WSS to Chithara and adjoining Pts.	Chithara	Distribution network	Project Division, Kollam	DER preparation in Progress drawing send to section office for marking existing pipelines DER to be submitted on or before 15-07-2021.
District : Pathanamthitta					
2020-21					
1	WSS to Pallickal	Pallickal	Production component	PH Division, Pathanamthitta	Survey work completed
2	WSS to Thannithode	thannithode panchayath	Production component	PH Division, Pathanamthitta	Pumping main survey work in progress
3	WSS to Chittar	chittar panchayath	Production component	PH Division, Pathanamthitta	Survey work completed
District : Kottayam					
2020-21					
1	WSS to Karukachal, Kangazha, Nedumkunnam Pts		Pumping main	Project Division, Kottayam	Survey work completed
2	WSS to KaduthuruthyKallaraKuravilangad Panchayaths		Pumping main	PH Division, Kaduthurithy	Survey work completed
3	WSS to Kidangoor, Kadaplamattom, Marangattupilly Panchayaths		Pumping main	Project Division, Kottayam	Survey work completed
B	SEWERAGE WORKS				
(1) PER SUBMITTED					
2020-21					
Thiruvananthapuram					
1	Prefeasibility assessment on proposed sewerage scheme to Thiruvananthapuram district excluding Thiruvananthapuram Corporation area	Thiruvananthapuram district	Sewerage/ Septage Network	PPD & WASCON	PER submitted
2	SBM-2-Sewarage scheme to Neyyattinkara Municipality	NeyyattinkaraMunicipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
3	SBM-2-Sewarage scheme to Varkkala Municipality	Varkkala Municipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
Kollam					

1	Prefeasibility assessment on proposed sewerage scheme to Kollam district excluding sewerage treatment plant and its network	Kollam district	Sewerage/ Septage Network	PPD & WASCON	PER submitted
2	SBM-2-Sewerage scheme to Paravoor Municipality	Paravoor Municipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
3	SBM-2-Sewerage scheme to Kottarakkara Municipality	Kottarakkara Municipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
Pathanamthitta					
1	Prefeasibility assessment on proposed sewerage scheme to Pathanamthitta district	Kollam district	Sewerage/ Septage Network	PPD & WASCON	PER submitted
2	SBM-2-Sewerage scheme to Pandalam Municipality	Pandalam Municipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
3	SBM-2-Sewerage scheme to Thiruvalla Municipality	Thiruvalla Municipality	Sewerage/ Septage Network	PPD & WASCON	PER submitted
(2) ONGOING WORKS					
Thiruvananthapuram					
1	Preparation of DPR/DER for rehabilitation of the existing sewerage system and providing sewerage/ septage management system for uncovered areas of Thiruvananthapuram Corporation	Thiruvananthapuram Corporation	Sewerage/ Septage Network	PPD & WASCON	Supervision of ongoing Survey work (Out sourced)

Annexure 13

PPD Regional Office, Kochi

SI No.	District	Name of Scheme	Remarks
1	THRISSUR	Chazhur, Anthikkad and Thannyam Drinking Water project- Phase-II	Distribution System
		Drinking Water Projects for Kodassery, Pariyaram and Athirappally GPs	Design of distribution network-KIIFB
		WSS to Thrissur Corporation and adjoining GPs - Phase-II	Transmission and Distribution-KIIFB
		WSS to Chelakkara, Panjal, Mulloorkkara&Wadakkanchery Municipality	Hydraulic analysis of proposed WTP, clear water pumping main, raw water pumping and design
		WSS to Thiruvilwamala, Kondazhi&Pazhayannur	Hydraulic analysis of proposed WTP, clear water pumping main, raw water pumping and design
		Structural design verification of proposed OHSR at Kallettunkara for PH Division Irinjalakuda	The structural design verification of the proposed OHSR
		WSS to Kunnamkulam Municipality, Orumanyur, Kadappuram and Chowannur GPs-JJM	Production components and distribution networks
		Design of distribution network for GPs-JJM	Distribution networks
	Ernakulam	Karumallur GP-Fresh Water Distribution Project - Phase II	Distribution-KIIFB
		Extension of Angamaly Drinking Water Supply project - Phase-II	Distribution-KIIFB
		WSS to Perumbavoor M, Rayamangalam and Vengola GPs	design of the water supply distribution system
		143MLD WTP for augmentation of Kochi WSS-phase-II	
		WSS to Uliyannur-Kunjunnikkara GP	design of the water supply distribution system
	Idukki	WSS to Karunapuram, Vandanmedu and Chakkupallam (Part)-JJM	design of the production components
	Alappuzha	WSS to Harippad Municipality and adjoining 13 GPs-	revision of transmission design-JJM
		CWSS to Harippad and adjoining 13 GPs-	Design of distribution network-JJM
		WSS to Kurattissery, Mannar, Chennithala&Thripperumthura Villages	design of the water supply distribution system
	Sewerage circle, Thrissur	Preparation of the Preliminary Engineering Reports for Thrissur, Malappuram and Palakkad Districts	A comprehensive district plan for sewerage and septage management units were prepared for the Districts of Thrissur, Palakkad and Malappuram

Annexure 14

PPD Regional Office, Kozhikode

<u>Sl.No</u>	<u>District</u>	<u>Name of Scheme</u>	<u>Remarks</u>
<u>Survey work</u>			
1	Malappuram	WSS to AMU	2457m survey done
2	Malappuram	Areekode scheme	2821m survey done
3	Malappuram	Urgattiri scheme	1693m survey done
4	Malappuram	WSS to kondoty -JJM	10 km
5	Malappuram	WSS to kodur -JJM	6 km
6	Malappuram	WSS to Mampad	6.8 Km
7	Malappuram	WSS to Thiroorangadi&Parappanangadi Municipality	17.197Km
8	Palakkad	WSS to Thiruvegapura, Parathur, Muthuthala	RWPM
9	Palakkad	WSS to Muthalamada and Kollengode	RWPM/CWPM
10	Palakkad	GPS	Geotrack of distribtion system
11	Palakkad	WSS to Thiruvegapura, Parathur, Muthuthala	CWPM/GM
12	Palakkad	WSS to Cherpulassery Municipality and adj Gps	Geotrack of distribtion system
13	Palakkad	WSS to Keralassery A&Mannur	Geotrack of distribtion system
14	Palakkad		CWPM
15	Palakkad	WSS to Pallassana and adj pj	Geotrack of distribtion system
16	Palakkad	WSS to Vandazhy and adj Gps	RWPM
17	Palakkad	WSS to IIT, PKD	RWPM
18	Palakkad	WSS to Walayar	RWPM to Mayanpallam
19	Kozhikode	WSS to Eramala and adj pjs	
20	Kozhikode	WSS to Payyoly and adj. pjs	Ph.I& II Completed
21	Kozhikode	CWSS to koyilandy and adjoining	
22	Kozhikode	Water supply scheme to Nadapuram Arts College	Gravity main
23	Kozhikode	WSS to Chekiad panchayaths	Chekkiad panchayath
24	Kannur	WSS to EramamKuttur	Balance survey work
<u>Pumping Main/ Transmission Main design</u>			
1	Kozhikode	WSS to Eramala and adj pjs (JJM)	Transmission main
2	Kozhikode	CWSS to koyilandy and adjoining	Transmission Main design
3	Kozhikode	Nadapuum Arts college	Transmission Main design
4	Kozhikode	Payyoli coastal Area	Transmission Main redesign
5	Kozhikode	Chekkiad panchayath	Transmission Main redesign
6	Palakkad	WSS to Agali and adj. Pj. Water quality effected habitation	Gravity main
7	Palakkad	WSS to Pirayiri, Mathur,Kottayi	Transmission main
8	Palakkad	WSS to Pallassana and adj pj	CWPM
9	Palakkad	WSS to Muthalamada and Kollengode GPS	Transmission Main design
10	Palakkad	WSS to Thiruvegapura, Parathur, Muthuthala	Transmission Main design
11	Palakkad	WSS to Malampuzha and adj pj. Zone (2) at ThekkeMalampuzha	Transmission Main Revised design
12	Malappuram	WSS to Ponnani and adj. 9Pjs	Transmission Main design

13	Malappuram	WSS to Ramanchadi, AMU	Transmission Main design
<u>Distribution design</u>			
1	Kasaragod	WSS to Chengala, MuliyaMadur and MogralPuthur Pjs	distribution design
2	Kasaragod	central University Kasaragod	distribution design
3	Kozhikode	WSS to Koyilandy and adj pjs	Naduvannurpanchayth
4			Kotturpanchayth
5	Kozhikode	WSS to toKunnummal and adj pjs	Chekkiad panchayath
6	Palakkad	WSS to Cherpulassery Municipality and adj Gps	distribution design
7	Palakkad	WSS to Mannur, Keralassery and Mankara Panchayath	distribution design
8	Palakkad	WSS to Pallassana and adj pj	distribution design
9	Palakkad	WSS to Muthalamada and Kollengode GPS	Design of distribution system to Chemmanapathy area (30% of Muthalamadagp
10	Palakkad	WSS to Malampuzha and adj pj. Zone (2) at ThekkeMalampuzha	Distribution Revised design
11	Palakkad	WSS to Pirayiri, Mathur,Kottayi	distribution design
12	Palakkad	WSS to Vandzhy and and adj	distribution design
13	Malappuram	WSS to Ponnani and adj. 9Pjs	design done for project Division, Malappuram
<u>Sewerage Works</u>			
1	Wayanad	PER of Mananthavady (M) –	Sewerage Work
2	Kozhikode	PER of Vatakara (M)	
3	Kasaragod	PER of Kasaragod(M)-	
4	KANNUR	PER of Kannur Corporation-	
<u>Vetting</u>			
1	Malappuram	Improvements to WSS to Kondotty (M)- PH.II	vetting
2	Malappuram	WSS to Morayur, Pulpatta and Pookkottur	vetting
3	Malappuram	SAGY- WSS to Nannambragg	vetting
4	Malappuram	WSS to A R Nagar Grama panchayath. Ph.II	Revised hydraulic design
5	Malappuram	WSS to Ramanchadi, AMU	vetting
5	Palakkad	AMRUT Palakkad Municipality	vetting
<u>PER</u>			
1	Kozhikode	WSS to Eramala and adj pjs	PER
2	Malappuram	WSS to University of Calicut	PER
<u>Other works</u>			
1	Kasaragod	Thrikkaripur, Padanna,Peelikkode, Cheruvathur, Valiparamba	outsourced survey drawing checking
2	Kasaragod	Kasaragod &chemmanad	
3	Malappuram	WSS to Moorkanad and adj pjs	Survey drawing checking
4	Kasaragod	Thrikkaripur, Padanna,Peelikkode, Cheruvathur, Valiparamba	outsourced survey drawing checking
5	Kasaragod	Kasaragod &chemmanad	
6	Malappuram	JJM Scrutiny Ernakulam District	17 Pjs
7	Malappuram	WSS to KARULAI-JJM	EPANET -digitilization of survey map
8	Malappuram	WSS to MUTHEDAM-JJM	

9	Malappuram	WSS to AMARAMBALAM-JJM	
10	Malappuram	WSS to CHUNKATHARA-JJM	
11	Malappuram	WSS to POTHUKAL-JJM	
12	Malappuram	WSS to EDAKKARA-JJM	
13	Malappuram	WSS to VAZHIKADAVU-JJM	
14	Malappuram	WSS to MUTHEDAM-JJM	
15	Malappuram	WSS to TRIKALANGODE-JJM	outsourced survey drawing checking
16	Malappuram	WSS TO PROUR -JJM	outsourced survey drawing checking

Annexure 15

NABARD Ongoing Schemes 2020-2021-Rural (Schemes in Operation, under Execution/Construction)

Sl No:	Name of District	Name of Division	RIDF TRANCHE	Name of Scheme	AS Amt. (In lakh)	Population
1	Palakkad	Project Division,Palakkad	XX	WSS to Ongallur and Vallappuzha	1500.00	74374
2	Thiruvananthapuram	Project Division,Thiruvananthapuram	XX	RWSS to Edakode, Keezhethonnackal, Melethonnackal, Veyiloor, Pallippuram Panchayaths	735.00	91643
3	Thiruvananthapuram	Project Division,Thiruvananthapuram	XXII	CWSS to Pallichal, Balaramapuram&Vilavoorkkal Pt.	1024.00	53000
4	Idukki	Project Division,Kattappana	XXII	WSS to Valiyamattom&Alakkode villages	558.63	23070
5	Eranakulam	Project Division,Kattappana	XXII	RWSS to Arakuzha&Palakuzha Pts.	1350.00	33350
6	Eranakulam	Project Division,Kattappana	XXII	Mini WSS to Inchathotti in Kuttampuzha Pt.	92.00	1750
7	Kannur	W S Division,Thaliprambe	XXII	Mini WSS to Pattuvam& adj. villages - Balance works in Phase I	1495.00	101000

8	Kannur	Project Division,Kannur	XXIII	WSS to Kottiyoor,Kelakam and Kanichar in Iritty Taluk.(Phase-1).	3525.00	58150
9	Palakkad	Project Division,Palakkad	XXIII	Comprehensive Water Supply Scheme (CWSS) to Agali& adjoining Panchayaths in Mannar Taluk.	2500.00	84813
10	Palakkad	Project Division,Palakkad	XXIII	Comprehensive Water Supply Scheme (CWSS) to Mannur,Keralasery&ManakaraPanchyaths(Phase-I)	2530.00	70636
11	Pathnamthitta	Project Division,Adoor	XXIV	WSS to SeethathodePavchayath&NilackalPlappally area in perinat Pt.-Phase II	12000.00	17320+2.2 lakh floating
12	Pathnamthitta	Project Division,Adoor	XXIV	CRWSS to Nedumbram, Niranam, Kadapra&Peringara Pt. Laying Distrbn in Niranam&Kadapra Pt.	2000.00	21640
13	Kottayam	Project Division,Kottayam	XXIV	WSS to Erumeli- Laying Disbn in Zone I & Zone VI	1260.00	11621+80000pilgrims
14	Thiruvananthapuram	Project Division,Thiruvananthapuram	XXV	CWSS to Vithura and Tholicode Villages-Phase II	3150.00	60014
15	Thiruvananthapuram	Project Division,Thiruvananthapuram	XXV	WSS to Poovar Panchayath	1475.00	116801
16	Kollam	Project Division,Kollam	XXV	WSS to KulakkadaPanchayth	2931.98	68561

17	Idukki	Project Division,Kattappana	XXVI	WSS to Muttam,Karimkunnam and Kudayathoor Panchayaths	6114.00	37209
18	Kollam	Project Division,Kollam	XXVI	WSS to Melila Panchayaths	1040.10	23599
	Total				45280.71	

Annexure 16

NABARD - Completed Schemes-2020-2021

SI No:	Name of District	Name of Division	RIDF TRANCHE	Name of Scheme	AS Amt. (In lakh)	Population	Status
1	Palakkad	Project Division, Palakkad	XX	WSS to Koppam and Vilayur Pt. in Pattambi taluk	2000.00	53558	Completed
2	Pathanamthitta	Project Division, Adoor	XX	WSS for proposed Konni Medical College in Pathanamthitta Dist.	1398.00	10000	Completed & Commissioned on 14.09.2020
3	Kozhikkode	P H Division, Vatakara	XX	RWSS to Kallanode in Koorachundu Panchayath	50.00	500	Completed
4	Idukki	Project Division, Kattappana	XXII	WSS to Karimannoor, udumbannoor, Kodukulam and Vannapuram Pts.	1200.00	110000	Work completed.
5	Kollam	Project Division, Kollam	XXIV	WSS to Thrikkovilvattom & Nedumpana Panc-Phase II Part I -Distn. In Thrikkovilvattom Pt.	1292.00	61296	Completed
	Total				5,940.00	235,354	

Annexure 17

State Plan-Ongoing works in the year 2020-21 Above 1CR (Urban)

Sl No	District	Division	Name of work	AS Amount in Lakh	Population Benefitted
1	TVPM	Sewerage Division, Patoor	TSS D Block - Zone II - Supplying Conveying and Laying 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam to Kannamoola- Ch 0 to 342m	102.40	11250
2	TVPM	Sewerage Division, Patoor	Tss- E Block Zone II - Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common manhole ch 512m to 785m	190.00	20410
3	TVPM	Sewerage Division, Patoor	TSS- Zone II- Laying 600 mm dia RCC NP3 pipe sewer main towards EdappazhanjiChithranagar(IV-Reach) Ch. 2738 to 2908 M in connection with the commissioning of Jagathy - Koottamvila scheme	142.50	20410
4	TVPM	Sewerage Division, Patoor	SS - Procurement of sewer cleaning machine and safety equipments for sewer maintenance(Auto mounted desilting machine- 3nos., Medium vehicle mounted high pressure jetting machine - 2 nos., Heavy vehicle mounted high pressure jetting cum sucking machine - 1 no., vaccum operated suction machine - 1 no., self priming potable diesel dewatering pumpset - 4 nos., safety equipments for labourers - 15 set, other safety equipments - 9 set)	317.00	400000
5	TVPM	Sewerage Division, Patoor	TSS - E Block Zone II - Laying 600mm dia RCC NP3 pipe sewer main from Edappazhinji Chitra Nagar Ist reach - 292m (Ch: 1841 - 2133)	125.00	20410
6	TVPM	Sewerage Division, Patoor	TSS - D Block Zone II - Laying 700mm dia RCC NP3 pipe sewer trunk main II from Murinjapalam towards Kannammoola (Ch: 342m - 952m)	291.00	11250
7	TVPM	Sewerage Division, Patoor	Plan 30 - 2018-19 - TSS- Rehabilitation of Existing Sewerline near Thaliyal Pump house to avoid sewage overflow to Killi river	103.00	5000
8	TVPM	Sewerage Division, Patoor	Plan 30 - 2018-19 - TSS-Upgradation of Thaliyal pump house- Construction of New well and Grit chamber with 3nos of Submersible pumpset etc.	160.00	21000

9	TVPM	Sewerage Division, Patoor	Thiruvananthapuram Sewerage Scheme - Tertiary treatment of sewage at STP, Muttathara	500.00	Above 5 lakh
10	TVPM	Sewerage Division, Patoor	TSS Laying 300mm dia SW Sewer main line and 250mm&200 mm dia SW pipe sewer branch lines from KannammoolaAyyankali road proposed common MH towards Padinjattil lane	350.00	2000
11	TVPM	Sewerage Division, Patoor	E- Block Zone II -Laying 700mm dia RCC NP3 pipe sewer main from Jagathy towards common manhole Ch.512m to785m & Interconnection of 700mm dia DI pipe between Jagathy Chadiyara sewer main and parallel main across Killi river and constructing 450 mm dia bored cast in situ piles inside of river and connected works.Ch.649M to 679M	163.20	2000
12	TVPM	Sewerage Division, Patoor	TSS - Providing and laying 300mm dia main and 200mm SW branch sewer line towards Sreekrishna Nagar in front of Jagathy School in Jagathy Kochar Road	113.00	200
13	TVPM	Project Division, TVPM	Providind additional 100 MLD to TVPM and 20 MLD to adjoining panchayaths- Construction of 120 MLD WTP at Neyyar	6000.00	above 5 lakh
14	TVPM	Project Division, TVPM	Improvements to WSS in TVPM municipal Corporation and adjoining panchayaths (Major Works)	2038.10	above 5 lakh
15	TVPM	PH Division, TVPM (N)	Pipe replacment in Peroorkada- Sasthamangalam Road in Thiruvananthapuram- 20% Budget allocation	368.50	2375
16	Kollam	Project Division, Kollam	Improvements of Kollam corporation with Kadapuzha as source	1450.00	372596
17	Kollam	PH Division, Kollam	Source improvement of Sasthamcotta Water Treatment Plant- Construction of Recycling plant at Sasthamcotta in kollam district.	261.72	50000
18	Kottayam	PH Division, Kottayam	Improvement of WSS for Specified Institutions - Kottayam Medical College	132.50	25000
19	Pathanamthitta	PH Division, Pathanamthitta	UWSS to Adoor& Adj. Panchayaths - Replacing old and damaged 300mm AC DM & DL with 300mm DIK9 from Parakodu to HS Junction Adoor (10000m)	404.00	125000

20	Alappuzha	Project Division, Alappuzha	CWSS to Harippad and adjoining ten panchayaths-Phase II	3500.00	225300
21	Ernakulam	PH Division, Muvattupuzha	UWSS to Piravom& adjoining panchayaths - Replacing old and damaged pumping main 80mm GI pipe with 150mm DI pipe from Kalanimattom to Koorumala (2850m)	140.00	5000
22	Ernakulam	PH Division, Muvattupuzha	UWSS to Muvattupuzha& RWSS to Arakuzha - Replacing old and damaged distribution main (125, 150 & 160 mm (AC, CI10 & PVC 4kg)) with 160mm, PVC 10 kg at Muvattupuzhamunicipality&Pandapilly (6650m)	150.00	8200
23	Ernakulam	PH Division, Kochi	KMRL - Shifting utilities from Edappally to Kaloor in connection with improvements and upgradation and modernisation of Edappally High Court road (600mm DI - 1000 M, 500mm DI - 1500 M, 450mm DI - 5500 m and 160mm PVC - 11000 M)	1250.00	210000
24	Ernakulam	PH Division, Kochi	Replacement of old and damaged 700mm Premo pipe(pumping main to Karuvelippady) by 700mm DI K9pipe from Perumanoor pump house to Thevara long old Thevara road for a length of 2220m	725.00	123000
25	Ernakulam	PH Division, Kochi	EMWSS - Replacing old and damaged (DM) 200mmCI with 250mm DI K9 pipe along Kaloor Jn. to Puthiya road Jn. Perandoor/LFC Road (710m)	109.10	320
26	Ernakulam	W.S. Division, Kochi	Water supply scheme to Maradu Municipality - Strengthening distribution system	2316.00	44704
27	Ernakulam	W.S. Division, Kochi	WSS to Thiruvankulam zone in TripunithuraMunicipality- Replacement of old and damaged 125mm CI pumping main with 200mm DI K9 pipes from Karingachira 15.5LL GLSR to 0.8LL OHSR at Irumpanam 4450m, replacement of old and damaged 110mm PVC distribution main with 160mm PVC 1400m, extension of super structure of Karingachira pump house and strengthening of columns of OHSR at Irumpanam and allied works	334.50	18000
28	Ernakulam	PH Division, Aluva	Remittance of cash deposit and power allocation charges to KSEB for commissioning the 110 KV substation at HW Aluva	350.00	NA

29	Ernakulam	PH Division, Aluva	UWSS to Aluva - Replacement old damaged 500/400mm premo Pipe with 500mm DI K9 from pump junction to bye pass and 100mm AC pipe with 160mm PVC pipe Premo - 1.46km AC - 4.00km	575.00	28000
30	Ernakulam	PH Division, Aluva	EMWSS - Supply erection testing and commissioning of 110 KV additional bay with consumer structure and metering units including constructin of additional yard and allied works for commissioning 110 KV sub station at HW Aluva including rehabilitation of sub station building	315.00	1000000
31	Ernakulam	Project Division, Perumbavoor	Interim Augmentation of WSS to Kochi city and adjoining panchayaths - Laying 1400mm MS pumping main and construction of staff quarters	5000.00	1662724
32	Thrissur	PH Division, Thrissur	Guruvayoor drainage scheme	1250.00	33850
33	Thrissur	PH Division, Thrissur	Guruvayoor drainage scheme	125.00	33850
34	Thrissur	PH Division, Thrissur	Improvements to the existing WSS to Chavakkad municipality - Strengthening of distribution network Replacing existing 350mm AC gravity line - 1500m with 350mm DIK9	180.00	39098
35	Thrissur	PH Division, Thrissur	TWSS - Replacing damaged Filter Media for 36 MLD water Treatment plant	300.00	315000
36	Thrissur	PH Division, Irinjalakkuda	UWSS to Marthakkara Census Town - Gap connection using 250mm & 200mm DI K7 pipe	135.00	2000
37	Palakkad	PH Division, Shornur	UWSS Ottapalam - Replacing old and damaged DL AC/GI 80mm-300mm using 300mm DI-k9 -1250m, 160mm PVC -20290m, 150mm GI - 4020m at various locations	605.00	50000
38	Malappuram	PH Division, Malappuram	UWSS to Perinthalmanna - Dedicated powerline to WTP at Cherukara	160.00	NA
39	Malappuram	PH Division, Malappuram	Improvements to RWSS to Manjeri-Water Supply to Veettikunnu area -Phase 2- Providing Distribution Line in Ward No.28,29,30&32 of Manjeri Municipality	132.00	3000

40	Malappuram	PH Division, Edappal	UWSS to Tirur Package 1 Replacement of old premoraw water pumping main from Codakal junction to water treatment plant at Tirur	2000	80000
41	Malappuram	PH Division, Edappal	UWSS to Ponnani& ARWSS to Ezhivathiruthy and adj. pts. - Replacing old 150HP CF pumpset with 200 HP pumpset at Chamravattam Booster Station	109.56	50000
42	Malappuram	PH Division, Edappal	RWSS to Kottakkal-Parappur - Replacing old damaged 200mm AC distribution main with 200mm DI K9 pipe at Khurbani Jn. in Kottakkal Municipality	118.00	600
43	Kozhikode	Project Division, Kozhikode	Water supply scheme to Payyoli coastal areas	3500	30636
44	Kannur	W.S. Division, Kannur	WSS to Thalassery Municipality-Morakkunnu zone-Replacing old distribution pipes along Thalassery-Kodiyeri PWD road using PVC pipes for utility shifting of work	125	1200
45	Kannur	W.S. Division, Kannur	Thalassery Water Supply Scheme and WSS to Mahe region - Supply and erection of 300HP VT Pumpset-2Nos at Keezhallur pumphouse.	115.00	181275
46	Kannur	W.S. Division, Kannur	WSS to Edakkad Zone 1 Replacing old damaged 140/110mm PVC pipe line with 160mm PVC pipe from chala Temple to Nambolanmukku in ChalaPadinharekkara road	100.00	2000
47	Kannur	Project Division, Kannur	WSS to Payyannur municipality - Balance work - Construction of intake well cum pumphouse, supply and erection of raw water pumpsets and supply and erection of transformers	610.00	60000
48	Kannur	Project Division, Mattannur	SAARK - WS Improvements to Thalassery Municipality and adjoining towns.	4950	139780

Annexure 18

State Plan- Ongoing works in the year 2020-21 Above 1CR (Rural)

Sl No	District	Division	Name of work	AS Amount in Lakh	Population Benefitted
1	TVPM	W.S.Division, Neyyattinkara	CWSS to Amboori - Replacing old and damaged 200mm AC Class 20 distribution main with 200mm DI K9 from Kallimoodu to Kiliyoor in Vellarada Panchayath (1000m)	110.90	400
2	TVPM	W.S.Division, Neyyattinkara	RWSS to Thevupara - Replacing old and damaged 140mm PVC 6kg/cm ² pumping main, 110 mm PVC 4kg/cm ² distribution main with 160, 110mm PVC from Thevupara to Manjadi Jn in Malayinkeezh Panchayath (2500m)	103.70	500
3	TVPM	W.S.Division, Neyyattinkara	RWSS to PoovarKarichal - Replacement of existing damaged 100 mm AC pipe with 160mm PVC pipe at Arumanoor near school junction to Soolankudy in front of fire station	133.20	7000
4	TVPM	HW Division, Aruvikkara	Modernisation of Aruvikkara Pumping Station	1000.00	500000
5	TVPM	Project Division, TVPM	CWSS to Parassala and adjoining Villages and MarukilMaranalloor Villages	13640.00	67201
6	TVPM	Project Division, TVPM	WSS to Vilappil panchayath	1600.00	120912
7	TVPM	Project Division, TVPM	CWSS to Kalliyoor, Venganoor Panchayaths in Thiruvananthapuram District-Phase III	1466.00	25714
8	TVPM	Project Division, TVPM	CWSS to Anadu,Palode&Kurupuzha villages -(Phase II) in Thiruvananthapuram District.	1600.00	35347
9	TVPM	Project Division, TVPM	RWSS -Mini WSS to Kodikunnu in Njandoorkonam Division Thiruvanthapuram and 1500 FHTCs to IroorparaMailadamukkal and Panthayakkodu wards in Vembayam Grama Panchayath	950.00	11000

10	Kollam	PH Division, Kottarakkara	BAWSS to Kundara and adjoining panchayaths - Replacement of frequent leaking 500mm CI TM	396.00	230000
11	Kollam	Project Division, Kollam	RWSS to Kulathupuzha and adj. villages - Phase II- Construction of Clear water sump and Pump house-3.4 LL at Thottamukku with compound wall, and Distribution Zone III	410.00	145479
12	Kollam	Project Division, Kollam	Water supply improvements to Mynagappally- Phase I- S/L clear water 200mm and 300mm DI K9 pumping main from Sasthamkottah WTP to ICS OHSR and Public Market OHSR at Mynagappally, Construction of 15.2 LL OHSR at Public Market compound, S/E of 40HP(one stand by) clear water pump and motor, additional power allocation to KSEB, interconnection works at TP site solar and automation charges, road restoration charges and LS provision for demolishing old Anganvadi building and similar works	510.00	15000
13	Kollam	PH Division, Kollam	RWSS to Perinad Replacement from OHSR Nanthirikkal to Elampallor and OHSR Nanthirikkal to Vellimonmukku& from starch to kaithakodi 140/90mm PVC with 200mm DIK9/160/110/90mm PVC - 5800m	107.90	4000
14	Kollam	PH Division, Kollam	RWSS to Thazhava - Replacement of old and damaged (PM) 200mm AC (11000m) pipe with 160mm PVC CL5 (22000m) from Manappally to Aramathumadom AVHS (4850m), from Manappally to MullasseryVadimukku Jn (3250m), from Manappally to Pavumba bridge (1800m), from Pavumba bridge to Palamoodu (1100m)	415.00	18000
15	Kottayam	PH Division, Kaduthuruthy	ARWSS to Kallara panchayath - Replacement of old and damaged 200 mm AC pipe (DL) with 200 mm(1402m), 250 mm(500m) DI pipe in Puthenpally Junction to Ethakuzhy Jn. in Kallara Pt.	110.00	1400
16	Kottayam	PH Division, Kottayam	ARWSS to Lalam - Vallichira - Laying 200mm DI pumping main from Kadappattoor (New well cum pumphouse) to Nelliyanai GL tank	218.00	20986

17	Kottayam	PH Division, Kottayam	WSS to Kumaranalloor - Replacing old and damaged 300mm AC Gravity main with 300mm DIK9 from Incherikkunnu to OH Tank at SH Mount (2700m)	253.00	30000
18	Kottayam	PH Division, Kottayam	WSS to Kumaranalloor - Replacing old and damaged 300mm AC & 250 mm AC distribution main with 300mm DIK9 (650 m) & 250mm DIK9 (1750m) from OHSR at Incherikkunnu to Chathukulam Area	184.00	28000
19	Pathanamthitta	PH Division, Pathanamthitta	UWSS to Adoor& Adj. Panchayaths - Replacing old and damaged 300mm AC DM & DL with 300mm DIK9 from Parakodu to Killkodu, Parakodu to Paruthipara, Parakodu to Ezhamkulam (7500m)	170.00	148883
20	Kottayam	Project Division, Kottayam	WSS to Erumeli Panchayath	5300.00	55621
21	Kottayam	Project Division, Kottayam	WSS Akalakunnam, Mutholi&Kozhuvanal - Supply and erection of Raw Water & Clear Water Pump set for new scheme (50 HP VT - 2 Nos., 125 HP - C/F - 2 Nos., 35 HP - C/F - 2 Nos., 15 HP - C/F - 2 Nos., 20 HP - C/F - 2 Nos.)	150.00	53332
22	Pathanamthitta	PH Division, Thiruvalla	RWSS to Vazhappally- Augmentation of water supply to Thuruthy	360.00	25000
23	Pathanamthitta	PH Division, Thiruvalla	RWSS to Vazhappally- Augmentation of water supply to Thuruthy - laying 350mm DI K9 pipe, 3500m from Cherukarakunnu OH Tank to Thuruthy - to remit PWD, Municipality and railway charges - additional amount	161.00	19000
24	Pathanamthitta	Project Division, Adoor	Comprehensive RWSS to Mallappally,Anicadu&Kottangal panchayaths in Pathanamthitta District under RWSS scheme	2400.00	49461
25	Pathanamthitta	Project Division, Adoor	WSS to Perunadu&Athikkayam Phase I	331.00	29973

26	Pathanamthitta	Project Division, Adoor	CWSS to, Puramattom, Kalluopara, Ezhumattoor and Kunnanthanam, Eraviperoor, Koippuram and Thottappuzhassery Panchayaths in Pathanamthitta district - Phase I	4235.00	163625
27	Alappuzha	PH Division, Alappuzha	RWSS to Nooranad - Replacing of old damaged DL 150/100mm AC pipeline from Edapon towards Para Junction with 160mm (6Kg) PVC pipe (6000m)	131.00	4000
28	Alappuzha	PH Division, Alappuzha	RWSS to Thamarakulam - Relaying of distribution main with 250mm DI K9 pipe instead of old and damaged 250mm AC pipeline from Pachakkad tank to both Nediyanickal temple and towards north(2500m)	120.40	19000
29	Alappuzha	Project Division, Alappuzha	Jica Assisted Kerala Water Supply project to Cherthala Municipality and adjoining villages – Replacing of existing GRP Raw water transmission line with MS pipe at maravanthuruth panchayath	2175.00	510000
30	Alappuzha	Project Division, Alappuzha	SAGY: WS Augmentation of RWSS in Aryad Panchayath	499.00	12000
31	Idukki	PH Division, Thodupuzha	RWSS to Kumily - Replacing old and damaged 80, 50, 40 mm distribution main (7500m) GI with 80mm, 50 mm, 40mm GI (7500m) at Rosapookandam	105.50	3050
32	Ernakulam	W.S. Division, Kochi	Replacement of old pipe- CWSS to Kadungalloor, Karumalloor and Alangad Panchayaths- Replacing worst affected AC pumping main from treatment plant at Muppathadam to ManjaliKunnumpuram with 300mm DI(K9) pipe	260.00	20000
33	Ernakulam	W.S. Division, Kochi	Replacement of old pipe- CWSS to Kadungalloor, Karumalloor and Alangad Panchayaths- Replacing worst affected AC pumping main from treatment plant at Muppathadam to Alangad OH Tank with 300mm DI K9 pipe	140.00	45000
34	Thrissur	PH Division, Thrissur	CWSS to Wadakkanchery and adj Pt. -Replacing and old damaged 250mm AC Gravity main and 150mm AC distribution line by DI and PVC pipes	500.00	10000

35	Thrissur	PH Division, Thrissur	RWSS to Adat Pt - Replacing existing Gravity main from Chaithannya Junction at Sankaraya Road to Puzhakkal Sump	194.00	15000
36	Thrissur	PH Division, Thrissur	KGWSS - Replacing old GM 250mm AC pipe with 400mm DI K9 pipe from Veterinary junction to Kunnamkulam Section office compound (2250m)	300.00	4800
37	Thrissur	PH Division, Irinjalakkuda	CWSS to KPCTA - Replacing the damaged 250 mm AC pumping main with 350 mm DI K9 pipes from Illickal pump house to Chazhur plant	390	68000
38	Thrissur	Project Division, Nattika	Water Supply Scheme to PavarttyMullassery Panchayaths - Supplying,laying,testing and commissioning 300mm/250mm/ 200mmm DI K9 gravity main from Chattukulam to Pavartty and Mullassery OHSR - Package-I.	561.76	52081
39	Thrissur	Project Division, Nattika	Augmentation of Pavaratty and adjoining Panchayaths	476.00	325118
40	Thrissur	Project Division, Nattika	WSS to Pavaratty and Mullassery panchayaths in Chavakkadu taluk of Thrissur district. - Construction of 6.70 LL capacity OHSR at Pavaratty panchayath, Construction of 5.50 LL capacity OHSR at Mullassery panchayath	350.00	52081
41	Palakkad	PH Division, Palakkad	Puthussery Water Supply Scheme- Shifting of Distribution main passing through railway coach factory Palakkad -160 mmPVC - 3000m	100.00	15000
42	Palakkad	PH Division, Palakkad	Augmentation of NenmaraAylloor&Melarcode Water Supply Scheme in Chittur and Alathur taluk in Palakkad district.	1460.00	131619
43	Palakkad	Project Division, Chittoor	XX th SLSSC 2014- CWSS to Vandazhy,Kizhakkenchery, Vadakkenchery and Kanambra panchayath Water quality affected habitation-Phase I-Part-I	1795	153350

44	Palakkad	Project Division, Chittoor	WSS to Quality affected habitation of Vandazhy, Kizhekkenchery, Vadakkencherry and Kannambra Grama Pt.	200.00	174254
45	Palakkad	Project Division, Chittoor	CWSS to resolve the scarcity of water in various panchayaths of Malampuzha constituency- Laying raw water pumping main	560	172354
46	Palakkad	PH Division, Shornur	CWSS to Anakkara&Pattithara - Replacing old and damaged 100/80mm AC with 110mm PVC from Kokkad to Othallur (20000m)	300.00	16000
47	Palakkad	PH Division, Shornur	CWSS to Anakkara, Pattithara and Kappur Panchayath - Replacing old and damaged DM AC-150mm,100mm & 80mm, PVC – 63mm,50mm using DI-K9 – 250mm-1545, 200mm -2060, PVC 160mm- 20, 140mm -1200, 110mm -90, 90mm -1040, 150mm GI-6, 125mm GI-120, 100mm GI -18, 80mm GI -114 (Total 6213m) Muktottajn to Chirattakkunnu, Kumbidi High school to Union shed Road - Anakkara panchayath.	300.00	12650
48	Palakkad	PH Division, Shornur	RWSS to Vaniyamkulam Grama Panchayath - Replacing old 250 mm AC pumping main with new 350mm DI pipe from Koonathara sump to Vellarampara GLSR (4300 m)	288.00	37310
49	Palakkad	PH Division, Shornur	RWSS to Vaniyamkulam Grama Panchayath - Replacing old and damaged 200mm AC class10 gravity main with 350mm DI K9 pipe from Kulappully to Koonathara (3200m)	216.00	37310
50	Malappuram	PH Division, Malappuram	ARWSS to Wandoor-Replacing old AC 150/125 mm distribution main - 4000m with 140/160 mm PVC along Kalikavu-and Nilambur Road under PH Section Wandoor.	100.00	10000
51	Malappuram	Project Division, Malappuram	CWSS to Thiruvai and adj. villages-Electromechanical Works.	200.00	32500

52	Malappuram	Project Division, Malappuram	WSS to Kavanur Village in Malappuram District- (Phase III)	1080.00	58720
53	Malappuram	Project Division, Malappuram	Water Supply scheme to Cheekode and Adjoining villages	4000.00	92847
54	Kozhikode	PH Division, Kozhikode	ARWSS Kodanchery - Replacing old and damaged GM 200mm AC/PVC using 110 to 250mm DI/PVC at KaithappoyilAgasthyamuzhi road	229.00	1220
55	Kozhikode	PH Division, Kozhikode	CWSS - Replacing old 300 mm AC pipe gravity main with 300 mm DI pipe from the RCC weir at Kandappanchalil natural source to Narangathodu tank in Kodencherypanchayth (3000m)	200.00	1645
56	Wayanad	PH Division, SulthanBathery	ARWSS to Thirunelly - Replacing old and damaged PM 150mm GI using 150mm DI K9 pipe from GL sump at Karthikulam to Anappara (4860m)	188.00	3100
57	Kozhikode	Project Division, Kozhikode	WSS to Ambalavayal by laying distribution line from ARWSS to Krishnagiri, Purakkady and Ambalavayal villages	500.00	30420
58	Kozhikode	Project Division, Kozhikode	WSS to Kunnummal Panchayath in Kozhikkode district.	1800.00	23346
59	Kasargod	PH Division, Kasargod	ARWSS to Vorkady& adjoining panchayaths - Renovation of vented weir across Uppala river at Anakallu	100.00	38565
60	Kannur	PH Division, Kasargod	RWSS to Kanhangad - Replacing old and damaged 200mm AC distribution main with 200mm DI K9 pipe (2850m) from Ambaluthungara to Chemmattomvayal	100.00	1000

Annexure 19

State Plan - Completed works in the year 2020-21 Above 1CR (Urban)

SI No	District	Division	Name of work	AS Amount in Lakh	Population Benefitted
1	TVPM	PH Division, TVPM (S)	Providing Solar Panels on the Roof Top of 7.98 ML GLSR at Thirumala	112.36	NA
2	Ernakulam	PH Division, Kochi	Replacing damaged 600mm MS pumping main (from Perumanoor pumphouse to Karuvelipady pump house)with new 600mm MS pipe underside of old Mattanchery bridge for a length of 550m	207.00	193370
3	Ernakulam	PH Division, Aluva	UWSS to Parur Municipality and adjoining panchayaths including Vypeen Areas, 63 MLD Water Treatment Plant at Head Works Chowara- Supply and erection of 600 HP Vertical Turbine Stand by pumpset at RWP.	102.00	200000
4	Palakkad	Palakkad	Puthussery Water Supply Scheme- Shifting of pumping main passing through railway coach factory palakkad -350 mm DI K9 - 2000m	200.00	10000
5	Malappuram	PH Division, Malappuram	Improvements to RWSS to Manjeri - Water Supply to Veetikunnu Ward No. 28,29,30,31 and 32 of Manjeri Municipality	280.00	10267
6	Malappuram	PH Division, Malappuram	UWSS to Anakkyam - Laying 250/200/140/90mm DI K9/PVC, 2220m from Irumbuzhi to Konikkal - remitting road restoration charges - additional amount	102.00	12000
7	Ernakulam	SRI,Nettoor	Procurement of EZ-fluo rapid detection system with accessories such as Vaccum pump, Manifold (filter assembly), Coliform Agar Reagents, Membrane and Digital Colony counter.etc. for SRI, QC Division, Trivandrum and QC Division, Kozhikode.-(PART C: Additional Proposal for Instruments required at SRI, Nettoor-Microbiological)-Kozhikode, Kochi, Thiruvananthapuram	105.00	Floating Population

Annexure 20

State Plan - Completed works in the year 2020-21 Above 1CR (Rural)

Sl No	District	Division	Name of work	AS Amount in Lakh	Population Benefitted
1	TVPM	W.S.Division, Neyyattinkara	CWSS to Amboori - Replacing old and damaged 250mm AC Class 20 distribution main with 250mm DI K9 from Thudiyankonam to Kuttappu to Kulavankuzhy in Amboori Panchayath (1500m)	166.19	300
2	TVPM	HW Division, Aruvikkara	RWSS to Aruvikkara- Replacement of 200AC main from Farmers Bank Jn. AVK to Erayamkode PH	117.37	4200
3	Kollam	PH Division, Kottarakkara	Supplying and laying 200mm DI gravity main from JICA nedumpana OHSR to Thrikkoikkal OHSR in Elampalloor Panchayath	142.00	32000
4	Kottayam	PH Division, Kaduthuruthy	Construction of sump cum office building at Kaduthuruthy- Phase I	105.00	NA
5	Kottayam	PH Division, Kottayam	WSS to Nattakom - Replacing old and damaged 300mm AC & 225 mm PVC distribution main with 300mm DIK9 (300m) & 250mm DIK9 (1500m) from Pakkil To Mooledom	175.00	400
6	Pathanamthitta	Project Division, Adoor	CWSS to Ayroor-Kanjettukara in Pathanamthitta-Phase II	2800.00	21797
7	Idukki	Project Division, Kattappana	CRWSS to Elappara and adjoining villages- Providing distribution lines in Peermade panchayath.	1535.00	17727
8	Idukki	Project Division, Kattappana	Arwss to Erattayar - Replacing of old damaged DL 250mm, 200mm and 100mm AC pipeline from Kurisumootilpady GLSR to Jayanthikavala (877m), from Jayanthikavala to BSNL jn (1715m), from Mangattuoykappady to Paravalavu (800m) with 250mm DI K9, 200mm DI K10 and 125mm GI(M) (Total length 3392m)	245.00	18647

9	Thrissur	PH Division, Irinjalakkuda	RWSS to Pariyaram - Replacing old DM 100mm AC, CI 10 Pipe with 200mm DI K-9 pipe from Pariyaram Junction to Munipara (9150m)	484.11	18698
10	Malappuram	Project Division, Malappuram	WSS to Thirunavaya and adjoining Villages-Providing 700mm MS pipe for railway crossing near Thirunavaya railway station at K.615/300-400 including intelinking with existing line using 600mm DI K9 pipe	177.00	250000
11	Kannur	W.S. Division, Kannur	WSS to Kottayam CT - Replacing old gravity main 200 mm AC -6480 m, 250 mm AC - 2100 m with new 200/250mm DI (7780m) from Vattappara to GLSR at AsarikkunnuMouveri	545.00	22829
12	Kannur	W.S. Division, Kannur	WSS to Eruvatty village in Pinarayi Panchayath of Talassery Taluk in Kannur district- Laying Distribution network-250mm to 200mm DI pipe (3125m) and 160mm to 90mm PVC pipes (67973m) (Total length- 71 kms) and a rider main (90mm,PVC pipes) along the DI pipe for a length of 3125m, Maintenance of existing OH tank at Mullankunnu and BMBC crossing by HDD	1000	12000
13	Kannur	W.S.Division, Thaliparamba	Water supply scheme to Pattuvam and adjoining villages	5250.00	221482

Annexure 21

JNNURM Ongoing Works - 2020-21

Sl. No.	AS No	AS Amount in Lakh	Head	Name of work	Cumulative Expenditure in lakh	Expenditure during the year 2020-21 in lakh	Status of the work as on 31-3-2021	Year of AS	Population benefitted	District	Division
1	AS no.G.O (Rt) No.2484/07/ LSGD dated 14/09/2007 for Rs.87.16 crore	8716	JNNURM	Improvement to water supply system to Trivandrum Corporation and adjoining 3 panchayaths	5818.56	3.83	Ongoing	2007	700000	TVPM	JNNURM TVPM
		8716.00		TOTAL	5818.56	3.83			700000		

Annexure 22

UIDSMAT Ongoing Works 2020-21

Sl.No.	AS No.	AS Amount In Lakhs	Head	Name of work	Cumulative Expenditure in lakhs	Expenditure during the year 2020- 2(in lakhs)	Status of the work as on 31/03/2021	Year of AS	Population benefitted	District	Division
1	AS No .G.O (Rt) 2875/2009/LSGD dtd.04/11/2009.	4120	UIDSSMT	WSS to Thalassery	3483	0	Ongoing	2009	229053	Kannur	Water Supply Division, Kannur
		4120		Total	3483	0					

Annexure 23

Details Of Vigilance committee held during 2020-21

SL No	Date	File discussed	Subject	Recommendations	Action Taken
1	26.08.2020	8605/19	Money misappropriation Mannarkkad	1) Show cause notice should be issued to Sri.Anoop AE and Sri.Noushad, LDC 2) Disciplinary action against Sri. Babu.M.S, AEE and Smt.Habeeba.N.V (HC) may be finalised by barring one increment without cumulative effect for 3 months. Also suspension period should be regularised by eligible leave in their credit. 3) Direction should be issued to Smt.Indulekha.T.P for formal Enquiry so as to finalise the disciplinary action against Sri.Biju.T.V, UDC and Smt.Baby,O.A.	1.Show Cause Notice issued to Sri.Anoop AE and Sri.Noushad, LDC. 2. Handed over to Establishment section to take further necessary action as per Vigilance Committee Recommendation. 3. Orders issued for appointing Smt.Indulekha T.P as enquiry officer.
2	26.08.2020	KWA/JB/E6(B2)/14411/2016	Complaint regarding tendering at PH Dn,Kottarakkara	The Vigilance Committee observed that the tendering process of the subject work was done by the EE as per the norms and rules hence decided to drop further action.	Reply given to Sri.Gopalakrishnapillai, petitioner. File closed.
3	26.08.2020		Complaint against plumbers for taking high charges from consumers		Site visit was again conducted to hear the complainants directly. Asked to contact all petitioners and resubmit the report
4	26.08.2020	2574	Renewal of BG of M/s.Thoshiba, Kozhikkodu	Show cause notice should be issued to U.K.Mohanan, EE, Vipin Chandran, AEE, Santhosh Kumar, EE, Kamalasanan, EE, Shaji.N.B, EE, Sasidharan, UDC	Show Cause Notice issued.
5	13.10.2020	KWA/JB/E6(A1)/15646/2018	Complaint received from Sri. Suresh Kumar Balaramapuram regarding water connection.	1) Initiate action against the Overseer for lapse of duty. 2) Direction to be issued to AE for finding the missing connection file. 3) Decision regarding the replacement of pipeline should be done after finalising the court cases.	1) Memo of charges issued to Smt. Stella J L.Overseer. 2) Aee was directed to find out the file and retain the existinf pipe lines of the subject water connection till the finalisation of the court case.
6	20.10.2020	KWA/JB/E6(A1)/19899/16	Misappropriation of revenue money at Kattakkada Section.	1) A major penalty of barring one increment with cumulative effect for one year for three years should be awarded to Smt.Subhasree. 2) Suspension period of Smt.Subhasree may be regularised as eligible leave in her credit and balance as LWA as per rules. 3) Strict direction should be given to EE, Neyyattinkara for submitting the reports as called from VigialnceSection.	1).Final proceedings issued. 2).Direction given to EE NTA to submit details.

7	09.11.2020	KWA/JB/E6(A1)/2606/2019	Complaint received from Smt. Smitha against Sri. Krishnankutty MI	Since Sri.Krishnankutty was retired from service, the Committee decided to drop further action against him.	Further action dropped.
8	09.11.2020	KWA/JB/E6(A1)/5917/18	Misbehavior and suspension of Sri. Anil Jose LDC.	Disciplinary action for major penalty should be initiated against Sri. Anil Jose, LDC	Handed over to Establishment section to take further necessary action as per Vigilance Committee Recommendation.
9	07.12.2020	KWA/JB/E6(A1)/7551/2018	Surprise check at Kanjiramkulam Sub division	Minor penalty of censure should be awarded to Sri.Bibin, Smt.Valsala.P,Smt.Bindhu.Y.R, Smt.Shabi, Sri.Saji.S.L, Sri.Stanley. Y,Sri.Christudas	Final proceedings issued.
10	11.12.2020	KWA/JB/E6(C1)/7546/19	Dereliction of duty of SmtBushraBeevi JS P H Division Pathanamthitta	1) The serious lapse of Smt.BushraBeevi will report to Govt since she was retired from service. 2) Direction should be given to Internal Audit Wing to verification of documents within specific interval. 3) Direction should be given to controlling officer to keep the register properly.	1).Report submitted to Govt to finalize the disciplinary action against Smt. BushraBeevi. 2). Directions were issued to IA Wing and EE Pathanamthitta.
11	4.01.2021	KWA/JB/VIGILANCE2020/4711/2019	Alapuzha pipe bursting	1) Explanation should be collect from Sri.Swaminathan and Sri.Kishore Babu. 2) Action shall be initiated against the contractor including recovery of financial loss after the completion of replacement work and commissioning of the replaced RWPM. 3) Direction should be issued to EE, Alappuzha for taking new MS pipes which was supplied by the contractor for replacing the purma pipe. 4) Committee also recommends to drop further action against Sri.Thomas John (E6), Sri.Bijeesh (AEE), Sri.Abdul Rahim and Sri.Santhosh Kumar (D'man Grade II).	Proceeding issued to exempt all from the complaint. Show cause issued to Sri.Kishore Babu, EE, Rtd and Sri.SwaminathanRtd.
12	6.01.2021	KWA/JB/E6(B2)/19647/18	Complaint against Santhosh plumber,Sastamkotta	1)Direction should be issued to AE for site inspection at the time receiving complaint. 2)If Santhosh have completed 3 years of service in same post, may be transferred out. 3) Direction should be issued to AEE to regularise the consumer no. SAS/4877 ND 2) consumer no.KNC/385/D 3) No PVY/1510/D. 4) The action taken report should be furnished to SC-ST Commission.	Report submitted to SC/ST Commission and directions were issued to AEE,AE.

13	11.01.2021	KWA/JB/E6(B2)/704/17	Ambedkar water supply scheme - providing water supply to Paipad Grama Panchayath	1) Show cause notice should be issued to Sri.Biju Jose Eappen, AEE and Sri.Vipin Das, Overseer. 2) Incumbency details of officers who are worked in Thiruvalla PH Division office. 3) Direction should be issued to PH Division, Thiruvalla EE, for issuing the payment to the contractor who have executed the work of laying of pipe line from ArunoorilPuthuval junction to Perumpuzhakkadavu Palam. Also transmit the balance amount of deposited fund to concerned authorities.	1) Action is being taken to issue show cause notice to concerned EE, AEE, AE and Overseer. 2)Incumbency details collected. 3)Direction has been issued EE Thiruvalla.
14	13.01.2021	10122	Complaint from Sri Saravan, Peerumedu construction of temporary bund	Vigilance committee discussed the report from SE Muvattupuzha and decided to issue showcause notice to AEE P.H.SubdivisionPeermedu and AE P.H.SectionPeerumedu and to collect a specific report from EE P.H.DivisionThodupuzha.	Report obtained from EE, Thodupuzha. Show cause notice issued to AEE, AE and reply obtained and submitted to VC.
15	30.01.2021	KWA/JB/E6(B1)/486/13	Water connection to flats &mutistoried buildings - Pathanamtitta	It was suggested to conduct a site inspection and assess the availability of water	Site inspection conducted and report submitted
16	30.01.2021	12708	Alapuzha inauguration - complaint from Pramoj.S.Dharan	Discussed the matter and suggested a site visit and to submit report	Got clarification from the Ex-Chairman. Asked Action taken report from secretary's unit about the previos VC recommendation.
17	22.02.21	KWA/JB/E6(B1)/15634/2019	Complaint by P.V.Sanu 24 news	Discussed the enquiry reports and recommendations are. 1) There is no mistake from the part of KWA officials for providing Casing pipe or Utility Duct before road restoration works and the same will helps to avoid public protest in future 2) There is no mistake found from the part of KWA officials in the enquiry conducted by SRI Director. 3) A report may submitted to Govt.	1&2) No action required. 3) Modified report under preporation
18	22.02.2021	KWA/JB/E6(B1)/3131/12	Rehalitation work UWSS to Nedumangadu - Renovation works of WTP Perumala.	Decided to submit report to the Govt	Report submitted to Govt.
19	24.02.2021	KWA/JB/E6(A1)/15646/2018	Surprise chech at Kanjiramkulam Sub division	1)Committee decided to finalise the disciplinary action against Smt.Stella.J.L, Overseer, by imposing a minor penalty of barring one increment without cumulative effer for 3 months 2)Explanation should be asked from the then AE, WS section, Kanjiramklam and AEE,WS Sub Division, Kanjiramkulam regarding the missing of	1) Final proceedings issued. 2) Explanations were called for from the AEE, AE.

				file.	
20	24.02.2021	12857/VIGILANCE/2020	Complaint from Ansar vallakkadavu	1) Issue a circular to controlling officer to ensure that officers are not consuming liquor during office hours. 2) Decided to give direction should be given to AEE, Kuriathy for changing the route of meter readers within the stipulated time including Kudumbasree Meter Readers.	1) Circular issued 2) Direction issued to AEE.
21	24.02.2021	2424/E6(B2)/2016/KWA	Sheeba.A, II Grade D'man - unauthorised absent and foreign journey	1) Committee decided to impose a major penalty against Smt.Sheeba as per KCS (CC&A) Rules 1960. 2) Direction should be issued to Sr.Administrative Officer to enquire the matter regarding the declaration of probation of Smt.Sheeba. 3) Explanation should be collect from AE, PH section Kayamkulam for allowing Smt.Sheeba to sign in attendance register during absence.	Disciplinary action initiated against Smt.Habeeba to be clarified. (file with Establishment wing)
22	1.03.2021	16486/VIGILANCE /2020/KWA	remitting amount to Contractors a/c instead of the A/c of KFC- Thrissur	1) Disciplinary action for major penalty may be taken against Smt.Bindhu.T.B, Sri.M.Sukumaran, Smt.Mini.T.SSmt.K.G.Sheeja, Smt.Sabitha.A, Sri.Sibin.K.S (LDC) 2) Expanation may be asked from the officers at Circle Office, Thrissur 3) Strict action to be taken against the contractor Sri.Paulose Abraham, Contractor 4) ATR should be sent to Kerala Fiancial Corporation	1) MoC issued and reply obtained and all of them are requested for a personal hearing further actions in progress. 2) Showcause notice issued to SE and A O of PH.Circle Thrissur and 3) The work of this contractor already terminated. 4) ATR Prepared.
23	1.03.2021	KWA/JB/VIGILANCE/3967/2019	Water supply through Tanker Lorries Choozhattukotta	Vigilance Committee recommended to transfer all the operators working in Choozhattukotta pump house to other pump house.	Direction has been issued to DCE (Gl) to transfer all the operators working in Choozhattukotta Pumphouse.
24	1.03.2021	16407/Vigilance/2020/KWA	Surprise ckeck at P H Division Kolam by the SE Kollam	Vigilance Committee recommended to ask explanation from the custodian of Attendance register and the staffs who were absent at the time of inspection.	Explanations were called for from the Officers.
25	1.03.2021	KWA/JB/E6(A2)/430/2017	Dereliction of duty done by Sri. Prem Bahadur Khadka Meter Reader W S Sub Division Aruvikkara	Sri.Prem Bahadur Khadka was retired from service on 30.04.2018. Hence the Committee recommends to report the matter to Govt to finalise the Disciplinary action initiated against him.	Report submitted to Govt to finalize the disciplinary action.

26	1.03.2021	KWA/JB/E6(B2)6784/16	Misappropriation of revenue money- Punalur - Sreekumar	<p>1) Sri.M.M.Sreekumar may be reinstated in service in a non sensitive post out the district after remitting the liability amount with interest. Interest should be assessed by FM & CAO.</p> <p>2) Smt.Sheeja.A.R, EE, Vigilance is appointed as the Enquiry Officer for conducting formal enquiry.</p> <p>3) Disciplinary action for supervisory lapse may be taken against Smt.Archana.K, AEE, then AEE Smt. Sindhu (HC) and Smt.Elizabeth (HC).</p> <p>4) Direction to be issued to DA and RAO for regular verification of the Revenue collection.</p> <p>5) EE, Kottarakkara may be directed to received the charges in separate form while ABACUS is not available.</p>	<p>1) Direction has been issued to calculate the interest amount recovered from Sri. M M Sreekumar</p> <p>2) Proceedings has been issued to appoint formal enquiry officer</p> <p>3) Memo of Charges have been issued to the 3 officers.</p> <p>4) Direction issued to DA & RAO</p> <p>5) Direction given to EE Kottarakkara.</p>
27	1.03.2021	KWA/JB/VIGILANCE/2020/2163/13	SC colony arakkalam Chengal	The Vigilance Committee recommends to award a minor penalty of censure as per KCS (CC&A) Rule, 1960 to Sri.GireeshBabu.K.A, then AE Water Supply Project Division, Kasaragod.	Handed over to Establishment section to take further necessary action as per Vigilance Committee Recommendation.
28	18.03.2021	KWA/JB/16486/Vig/2020/KWA	remitting amount to Contractors a/c instead of the A/c of KFC- Thrissur		As suggested by the committee a revised note has been submitted before the next VC

Details of Pending Vigilance cases and its status 2020-2021

No	VC No.	Case registered against	Status
Registered during the year 2020-21			
1	VC2/2020/ERK	Sri. Ajith K Thankachan AEE	Suspended and reinstated in service
Registered up to 2020			
1	VC 04/14 EKM	Sri. Varghese M Samuel (Retd EE)	Pending(Prosecution Sanction not required because the employee retired)
2	VC 05/13/ IDK	Sri. Varghese M Samuel (Retd EE)	Pending(Prosecution Sanction issued)
3	VC 05/15/ SCE	Sri.E.N.Surendran and Eight others	Enquiry is in progress Memo of Charges not given
4	VC 11/10/PKD	Vigilance case against the officials of KWA in implimentation of works under DFID scheme	Sri. V.M.Praveenkumar expired
5	VC 2/16/SIU-II	Sri. RenjithKumar J S Overseer Gr III	Memo issued
6	VC 2/12/SRT	Sri. Radhakrishnan D AEE (Rtd)	Pending(Prosecution Sanction issued)
		Sri. Babu A AE (Rtd)	
		Sri.Premachandran Nair Overseer Gr III (Rtd)	
7	VC 4/10/KTM	Sri. Subramanyan R AEE (Rtd)	Pending(Prosecution Sanction issued)
		Sri.Gopalakrishnapillai AE(rtd)	
8	VC 2/2001/ERK	Sri. Suresh Kumar C AEE (Rtd)	Investigation under process
		Sri.K K Raman AE (Rtd)	
		Sri. Santhosh Philip DA (Rtd)	
9	VC 1/04/ERK	Sri. Suresh Kumar C AEE (Rtd)	Investigation under process
		Sri.K K Raman AE (Rtd)	
		Sri. Santhosh Philip DA (Rtd)	
10	VC 2/14/SRT	Sri. Kunjumon (JS-Rtd)	Investigation under process

11	VC 9/98/SIU	Sri. Raveendran Nair. K, AEE (Rtd)	Permission sought for from Govt to recover the liability amount from the pensioners
		Sri. P. Madhavan Pillai, AEE (Rtd)	
		Sri. Lingon, AEE (Rtd)	
		Sri. Devakumar, AEE (Rtd)	
		Sri. Govinda Prasad, EE (Rtd)	

Details of disciplinary actions taken in Vigilance wing during 2020-21

Sl.No	Name & Designation	Present Status	Action
1	Rishi.K.S, Operator	Disciplinary Action is Pending	memo issued
2	Stella.J.L, Over seer Grade II	Disciplinary Action is Pending	memo issued
3	Nelson.P, AEE	Disciplinary Action is Pending	memo issued
4	Remya.K.M, Overseer Gr III	Disciplinary Action is Pending	memo issued
5	Prasad.V, SE	Disciplinary Action is Pending	memo issued
6	Bibin.M.K., Watchman	Disciplinary Action is Pending	memo issued
7	Subin.K.Balan, OA	Disciplinary Action is Pending	memo issued
8	Valasala.P, D'man	Disciplinary Action is Pending	memo issued
9	Bindhu.VR, UDC	Disciplinary Action is Pending	memo issued
10	Saji.S.L, Worker	Disciplinary Action is Pending	memo issued
11	Stanley.Y, Meter Reader	Disciplinary Action is Pending	memo issued
12	Christudas.R, Meter Reader	Disciplinary Action is Pending	memo issued
13	RenjithKumar.J.S, Overseer Gr III	Disciplinary Action is Pending	memo issued
14	Jessy Thomas, AE	Disciplinary Action is Pending	memo issued
15	Aneesh Kumar.S, Overseer Gr III	Disciplinary Action is Pending	memo issued
16	Shabi.M.R, OA	Disciplinary Action is Pending	memo issued
17	Baby.OA	Disciplinary Action is Pending	memo issued
18	Sheeba.A, D'man Gr II	Disciplinary Action is Pending	memo issued
19	Shihas UDC	Disciplinary Action is Pending	memo issued
20	Vinodh C R HC	Disciplinary Action is Pending	memo issued
21	Sandhya VS UDC	Disciplinary Action is Pending	memo issued
22	M M Sreekumar UDC	Disciplinary Action is Pending	memo issued
23	Darwin HC	Disciplinary Action is Pending	memo issued
24	Shajin Prakash D/Man	Disciplinary Action is Pending	memo issued
25	Vineeth T Meter Reader	Disciplinary Action is Pending	memo issued
26	Bushrabeevi JS (Rtd)	Disciplinary Action is Pending	memo issued
27	Pem BahaduKhadka Meter Reader (Rtd)	Disciplinary Action is Pending	memo issued
28	Bijuraj T V Operator	Disciplinary Action is Pending	memo issued
29	Ajith K Thankachan AEE	Disciplinary Action is Pending	memo issued
30	Biju.T.V, HC	Disciplinary Action is Pending	memo issued
31	Abhilash.G, LDC	Disciplinary Action is Pending	memo issued

32	T.K Balakrishnan , AEE	Disciplinary Action is Pending	memo issued
33	Bipinlal.G AE	Disciplinary Action is Pending	memo issued
34	Pramod. UDC	Disciplinary Action is Pending	memo issued
35	Tiji Joseph UDC	Disciplinary Action is Pending	memo issued
36	Manoj. K Watchman	Disciplinary Action is Pending	memo issued
37	Benbright , AE	Disciplinary Action is Pending	memo issued
38	Beena.D.AOversear Grade III	Disciplinary Action is Pending	memo issued
39	Anirudhan , EE	Disciplinary Action is Pending	memo issued
40	Sajeev.P.M, AE	Disciplinary Action is Pending	memo issued
41	Pushpa.N ,AE	Disciplinary Action is Pending	memo issued
42	Archana.K AEE	Disciplinary Action is Pending	memo issued
43	Rajeshkumar.R.D AE	Disciplinary Action is Pending	memo issued
44	Jomon John. UDC (HG)	Disciplinary Action is Pending	memo issued
45	Sheeba. Oversear	Disciplinary Action is Pending	memo issued
46	Pramod Nambiar, AE	Disciplinary Action is Pending	memo issued
47	Rajesh S.R , AE	Disciplinary Action is Pending	memo issued
48	Babu. G , Meter reader	Disciplinary Action is Pending	memo issued
49	Jagajevan.V Telephone operator	Disciplinary Action is Pending	memo issued
50	Ajith K Thankachan AEE	Disciplinary Action is Pending	memo issued
51	Ajith Kumar.V.SD'Man	Disciplinary Action is Pending	memo issued
52	Bijuraj.BOversear	Disciplinary Action is Pending	memo issued

Details of Punishment awarded by Govt during the year 2020-2021

Sl no	Name of the incumbent	Nature of punishment
1	NistharAhammadSait AE (Rtd)	Reduction of 5% basic pension for 6 months
2	G Sudakaran AE(Rtd)	Reduction of 5% basic pension for 6 months
3	Sadanandan M D/Man	Reduction of 5% basic pension for 6 months
In addition to this Prosecution sanction has been issued by Govt to the following incumbents during 2020-21		
1	M.T.Musthafa	
2	Sri.M.N.Suresh, EE (Rtd)	

3	Smt.Valsamma, AEE (Rtd)
4	E.R.Mohanan, AEE (Rtd)
5	D.Chandra Babu, AE (Rtd)

Annexure 24

RKI-Status of works as on March 2021

SL No	Scheme	District	Division	AS Amount Rs. in Crore	Details of A.S	Progress of Work	Physical Progress as on March 2021 (in %)	Expenditure during 2020-21 (Rs. in Cr)	Cumulative Expenditure as on March 2021 (Rs. in Cr)
1	Improvement of WSS to Cheranalloor Panchayat	Ernakulam	Jnnurm Project division, Kochi	21.00	GO (Rt)123/2020 P&EA Dtd 3.3.2020	<p>Out of 9072m pipe, 6440.5m supplied by the Contractor so far. Casing pipe laid at the railway crossing portion along with the subway construction.</p> <p>Sanction from Railway crossing is pending (Railway-Online application id SR-TVC-2020-132 DTD. 2/9/2020 Railway Division office,TVM, Smt Susan Reji Samuel,SSE)</p> <p>Casing pipe laid at the railway crossing portion along with the subway construction. Sanction from Railway is pending to lay the pipe. Vide letter no: KWA/JB/P3/36/2017 dated 12.03.2021 and 30.03.2021 of MD, KWA, addressed the matter to DRM, Southern Railways,Divisional Office, Works Branch, Trivandrum.</p> <p>Sanction from NHAI is pending. (NHAI-Online application dtd 12/10/20, by SE,PH Circle ,Kochi,(NH 47 chainage 332.6-349) NHAI,Ernakulam, Project Director,Sri.J.Balachandar) NHAI insisted to construct a RCC duct in service road for laying pipe line, which is expensive. Higher level intervention is required to get permission from NHAI.</p>	19%	5.34	5.34
2	Distribution network for RWSS to TV Puram Panchayat	Kottayam	P H Division, Kaduthuruthy	10.30	GO (Rt)123/2020 P&EA Dtd 3.3.2020	<p>Work divided in to 2 packages</p> <p>Package 1 - Out of 42 km distribution line, 4.12 km laid. (9%)</p> <p>Package 2 - Road restoration, pipe laying and interconnection works are additionally required in 'ARWSS to Thalazhazham and adjoining villages- Distribution network for RWSS to TV puram Panchayat'. The same has been arranged separately and started the work (10%).</p>	10%	1.07	1.07
3	WSS to Kaduthuruthy and Adjoining Villages	Kottayam	P H Division,Kaduthuruthy	23.00	GO (Rt)123/2020 P&EA Dtd 3.3.2020	<p>Earth Work excavation started for OHSR and GLSR work.</p> <p>PWD road cutting sanction to be received.</p>	1%	0.65	0.65

4	WSS to Erumeli Zone (I, III&V Part)	Kottayam	Project Kottayam	5.50	GO (Rt)123/2020 P&EA Dtd 3.3.2020	Total 6.75 km pipe line laid.	62%	1.81	1.81
5	WSS to Erumeli Panchayat-Laying Distribution system in Zone 4 - Kanakapallam	Kottayam	Project Kottayam	4.00	GO (Rt)123/2020 P&EA Dtd 3.3.2020	Total 7 km pipe line laid (In panchayath roads).	58%	0.88	0.88
6	WSS to Pavaratty&Mullassery Panchayaths in Chavakkad Taluk-Phase 2	Thrissur	Project Nattika	54.80	GO (Rt)123/2020 P&EA Dtd 3.3.2020	5192m of DI Pipe supplied. Work started at Pavaratty Panchayath. But, stopped due to ban of road cutting till election, as per order No. EL1-267900/21 dated 15.03.2021 of the District Collector.	2	8.01	8.01
7	CWSS to Sulthanbathery Municipality, Noolpuzha and Muttill Grama Panchayat in Wayanad District	Wayanad	Project Kozhikode	64.00	GO (Rt)123/2020 P&EA Dtd 3.3.2020	Package 1 DI pipe supply started. Liaison work with Local Body for obtaining road cutting permission completed. OHSR design corrected and submitted for approval. Site cleared for OHSR foundation work.	3	5.67	5.67
						Package 2 DI pipe supply completed (6682.5 m), PVC pipe supplied 9000m out of 52815m. 66 m PVC out of 52815 and 137.5m DI out of 6682.5m laid.	15		
						Package 3 DI pipe supply completed(1863m), PVC pipe 21516m supplied out of 39573m. Liaison work with Local Body for obtaining road cutting permission completed. Kallupady distribution pipeline work is in progress 4560m PVC pipe laid out of 39573m. Kallupady OHSR retaining wall earth work excavation completed, PCC work first stage completed. Steel reinforcement work in progress.	12		
8	Preparation of DPR for rehabilitation of existing system and providing Sewerage/Septage management system for TVPM Corporation	Trivandrum	PPD Trivandrum	8.00	G.O. (Rt.) No.371/2020/P&EA dated 1.10.2020	DGPS survey ongoing at Thiruvallom, Palkulangara, Kesavadasapuram, Chembazhanthi, Edavacodu, Karikkakom wards. Total Kms surveyed as on 05/04/2021 is 1853.	15	0.08	0.08
9	Energy Optimisation and replacing the inefficient pumping systems		Operations H.O	0.30	G.O (Rt) No: 164/2021/WRD dated 26.02.2021	Vide G.O (Rt) No: 164/2021/WRD dated 26.02.2021 of Water Resources (Water Supply-C) Department, Administrative Sanction received for an amount of Rs.30 lakhs (Rupees Thirty lakhs only) for conducting the energy audit of the pumping stations maintained by Kerala Water Authority, as part of the project, 'EnergyOptimization and Replacing the inefficient pumping systems' under RKL. Energy Management Centre Kerala (EMC), Thiruvananthapuram is entrusted with the work of conducting energy audit and the advance amount requested by EMC (Rs. 14.16 lakh) has been paid.		0.14	0.14
Total				190.90				23.65	23.65

Annexure 25

NRDWP - List of Ongoing Schemes - 2020-21

SI No	District	Name of scheme	Sanction year	AS Amount (Rs.in lakhs)	Population
1	Kollam	CARWSS to Kulathupuzha and Adjoining Villages - Phase II & Phase II Revised	2012-13	1815.00	145479.00
2	Kollam	WSS to Thevalakkara and Thekkumbhagam Panchayaths-Part-II-Balance works(ARP)	2011-12	600.00	80738.00
3	Alappuzha	WSS to Harippad and adjoining villages Phase - I	2013-14	3500.00	149625.00
4	Kottayam	WSS to Akalakkunnam and Mutholi Panchayat	2013-14	1547.00	49979
5	Kottayam	WSS to Ayarkkunnam, Kooroppadan and Pampady panchayat-Phase I	2013-14	1946.00	92793
6	Idukki	ARWSS to Vandanmedu and Anakkara Villages	1995-96	529.00	48250
7	Malappuram	Water supply Projects for 4 Panchayaths in Nilambur constituency (Chungathara, Edakkara, Vazhikkadavu&Pothukallu Panchayaths)	2014-15	1400.00	223690
8	Malappuram	WSS to Kavanur Phase II	2014-15	1000.00	58720
9	Malappuram	WSS to Thirurangadi Pt. Phase I	2014-15	1000.00	87980
10	Kasaragod	Construction of t RCC weir across Kariankode river for the WSS to Naval Academy Ezhimala, Endosulphan WSS to KayyurCheemeniHozdurg Taluk of Kasaragod District	2012-13	1000.00	

Annexure 26

NRDWP - List of Completed Schemes - 2020-21

SI No	District	Name of scheme	Sanction year	AS Amount (Rs.in lakhs)	Population
1	Thiruvananthapuram	NRDWP-XVIII SLSSC Scheme-Source sustainability -RWSS to kakkakuzhy in Vettoorpt	2013-14	291.50	11660
2	Kollam	CWSS to West Kallada, Sooranad South and Sasthamcotta Pt. (ARP)-Phase-II	2014-15	1115.00	95015.00
3	Pathanamthitta	WSS to Kozehcherry Panchayat Phase 1	2013-14	950.00	12021.00
4	Kottayam	CWSS to Ettumanoor and adjoining villages Phase I & II	2002-03	4872.43	210000
5	Kottayam	WSS to Vakathanam	2011-12	3000.00	33550
6	Kottayam	CWSS to Meenadom, Puthuppally panchayath	2013-14	1815.40	43177
7	Kottayam	WSS to Manarcadu panchayat(Aug)- Phase I	2013-14	1475.00	27579
8	Kottayam	NRDWP- Completion of WSS to Manimala and adjoining 4 panchayats	2014-15	3250.00	55000
9	Idukki	WSS to Kumaramangalam Panchayath in Idukki District Phase-I	2012-13	1000.00	
10	Idukki	CARWSS to Kattappana&Ayyappancovil Village	2002-03	2314.00	57530
11	Idukki	ARWSS to Vellathooval&Konnathady Villages	2002-03	2524.00	55425
12	Idukki	Providing W.S arrangements to hilly areas of Peruvanthanam and Kokkayar Panchayath in Idukki district	2011-12	700.00	27230
13	Ernakulam	Construction of Check Dam across Muvattupuzha river downstream of Ramamangalam bridge near Puthumana lift Irrigation scheme for improving WSS to Thripunithura Municipality ad adjoining Panchayath.	2015-16	1100.00	
14	Palakkad	WSS to Anakkara, Pattithara and Kappur Panchayats-Phase 2	2014-15	1000.00	80892
15	Malappuram	WSS to Kannamangalam Grama Panchayath	2012-13	1000.00	39850
16	Malappuram	CWSS to Thiruvai and adjoining villages PhaseI - Thiruvai village	2012-13	1450.00	20550
17	Malappuram	CRWSS to Thiruvai& adjoining Villages Phase-II-Wandoor Village- Part-2-(Eastern side of railway line)	2014-15	593.00	

18	Malappuram	WSS to Valavannur and Kalapakancheri Panchayaths - By enhancing the capacity of on going WSS to Thirunavaya and adjoining villages - phase II - Distribution system.	2014-15	1455.00	61878
19	Wayanad	NRDWP - XIX SLSSC 2013 - CWSS to Thariyode,Pozhuthana,Kottathara ,Vengappally and Padinjarathara Panchayats - PHASE I	2013-14	1500.00	75611
20	Kasaragod	WSS to East eleri Panchayath in Hosdurg thaluk of Kasaragod district.	2011-12	1212.00	25072

ABBREVIATIONS

1.	ADB	Asian Development Bank
2.	ARP	Accelerated Rural Project.
3.	ARWSS	Accelerated Rural Water Supply Scheme.
4.	AS	Administrative Sanction
5.	ASAP	Additional Skill Acquisition Programme
6.	AUWSS	Accelerated Urban Water Supply Scheme.
7.	CPHEEO	Centre for Public Health Engineering & Environmental Organization
8.	CARWSS	Centrally Sponsored Accelerated Rural Water Supply Schemes
9.	CSC	Common Service Center
10.	CW	Clear Water
11.	CWEd	Center For Water Education
12.	CWPM	Clear Water Pumping Main
13.	CWPS	Clear Water Pumping Station
14.	CWSS	Comprehensive Water Supply Scheme.
15.	DER	Detailed Engineering Report.
16.	DRW	Drought Relief Work.
17.	DBA	Data Base Administrator.
18.	EABACUS	Enhanced Advanced Billing, Accounting & Collection Utility System
19.	GIS	Geographic Information System
20.	GoI	Government of India
21.	HUDCO	Housing & Urban Development Corporation.
22.	IMIS	Integrated Management Information System.
23.	IPD	Investigation, Planning and Design.
24.	JICA	Japan International Co-operation Agency
25.	JBIC	Japan Bank for International Cooperation
26.	JNNURM	Jawaharlal Nehru National Urban Renewal Mission
27.	KIIFB	Kerala Infrastructure Investment Fund Board
28.	KWSP	Kerala Water Supply Project
29.	KRWSA	Kerala Rural Water Supply and Sanitation Agency
30.	KSIDC	Kerala State Industrial Development Corporation
31.	KSUDP	Kerala Sustainable Urban Development Project
32.	LAC	Legislative Assembly Constituency
33.	LAC ADF	Legislative Assembly Constituency Asset Development Fund
34.	LCS	Low Cost Sanitation.
35.	LIC	Life Insurance Corporation
36.	LSGD	Local Self Government Department
37.	MARCH	Monitoring Accounting & Reporting By Centralized HR System
38.	MLD	Million Litres per Day
39.	NABARD	National Bank for Agriculture and Rural Development
40.	NC / PC	Not Covered / Partially Covered
41.	NeGP	National e-Governance Plan
42.	NRDWP	National Rural Drinking Water Programme
43.	NIT	Notice Inviting Tender
44.	NPS	National Pension System
45.	O&M	Operations and Maintenance
46.	OD	Overdraft
47.	OHSR	Over Head Service Reservoirs
48.	ORWS	Other Rural Water Supply.
49.	PER	Preliminary Engineering Report.
50.	PHD	Public Health Division

51.	PMU	Project Management Unit.
52.	PPD	Project Planning and Development
53.	PS&GL	Personal & General.
54.	PRA	Permanent Retirement Account
55.	PFRDA	Pension Fund Regulatory and Development Authority
56.	PURA	Provision of Urban Amenities to Rural Area
57.	PVC	Polyvinyl chloride
58.	RCC	Reinforced Cement Concrete
59.	RIDF	Rural Infrastructure Development Fund
60.	RW	Raw Water
61.	RWPM	Raw Water Pumping Main
62.	RWSS	Rural Water Supply Scheme
63.	SAAP	State Annual Action Plan
64.	SAARK	Special Assistance Against Recession in Kerala
65.	SAGY	Saansad Adarsh Gram Yojana
66.	S&P	Store and Purchase
67.	SCP	Special Component Plan.
68.	SDC	Sector Development Cell
69.	SLSSC	State Level Schemes Sanctioning. Committee
70.	SSDG	State Service Delivery Gateway
71.	STP	Sewage Treatment Plant
72.	TAC	Training Advisory Committee
73.	TCC	Total Cash Compensation
74.	TSP	Tribal Sub Plan
75.	TSS	Trivandrum Sewerage Scheme
76.	TW	Treated Water
77.	TWSS	Trivandrum Water Supply Scheme
78.	UIDSSMT	Urban Infrastructure Development Scheme for Small and Medium Towns
79.	ULB	Urbal Local Bodies
80.	UWSS	Urban Water Supply Scheme
81.	WASCON	Water And Sanitation Consultancy Wing
82.	WB	World Bank.
83.	WBP	World Bank Project.
84.	WGDP	Western Ghat Development Programme.
85.	WS	Water Supply
86.	WSS	Water Supply Schemes.
87.	WTP	Water Treatment Plan