

Kerala Rural Water Supply and Sanitation Agency (KRWSA)

Department of Water Resources
Government of Kerala



Annual Administration Report (AAR) - 2022-23

Kerala Rural Water Supply & Sanitation Agency
III Floor, PTC Towers, S S Kovil Road, Thampanoor,
Thiruvananthapuram, Kerala

INDEX

Chapter	Title	Page Number
1	KRWSA - A Profile	5
2	Organisation Structure	6-12
3	Vision, Mission, Action Plan and Milestones	13-14
4	Schemes Implemented by KRWSA	15-24
5	Financial Performance	25-27
6	Computerisation & IT Initiatives (E-Governance Initiatives)	28
7	Establishment	29-31
8	Training and Capacity Building Programme	32-42
9	Implementation of Right to Information Act – 2005	43-47
10	Grievance Redressal Mechanism (GRM)	48
11	Water Quality Monitoring (WQM)	49-55
12	Jalanidhi Success Stories	56-60
	Annexures	
1	Annual Accounts 2022-223	61-82

ABBREVIATIONS

AAP	-	Annual Action Plan
BG	-	Beneficiary Group
BC	-	Beneficiary Committee
DDWS	-	Department of Drinking Water and Sanitation
DPR	-	Detailed Project Report
DWSM	-	District Water and Sanitation Mission
FC	-	Fully Covered
FHTC	-	Functional Household Tap Connection
FTK	-	Field Test Kit
GoI	-	Government of India
GoK	-	Government of Kerala
GBS	-	Gross Budgetary Support
GIS	-	Geographic Information System
GP	-	Grama Panchayat
GPAT	-	Grama Panchayat Action Team
GP LAC	-	Grama Panchayat Level Activity Committee
HRD	-	Human Resource Development
HR	-	Human Resources
IMIS	-	Integrated Management Information System
IEC	-	Information, Education and Communication
IFD	-	Integrated Finance Division
IPC	-	Inter Personal Communication
ISA	-	Implementation Support Agency
JJM	-	Jal Jeevan Mission
LPCD	-	Litres Per Capita/Day
M&E	-	Monitoring & Evaluation
MVS	-	Multi-village Scheme
NE	-	North East
NGO	-	Non-Governmental Organization
NJJM	-	National Jal Jeevan Mission
NRDWP	-	National Rural Drinking Water Programme
O&M	-	Operation and Maintenance
PPP	-	Public Private Partnership
PMU	-	Project Management Unit
PPR	-	Preliminary Project Report
PRI	-	Panchayati Raj Institutions
R&D	-	Research and Development
RPMU	-	Regional Project Management Unit
RWH	-	Rain Water Harvesting
RWS	-	Rural Water Supply
SDG	-	Sustainable Development Goals
SO	-	Support Organisation
SHG	-	Self Help Group
SLC	-	Scheme Level Committee

SLEC	-	Scheme Level Executive Committee
SVS	-	Single Village Scheme
SWSM	-	State Water and Sanitation Mission
ToR	-	Terms of Reference
UC	-	Utilization Certificate
VAP	-	Village Action Plan
VO	-	Village Organization
VWSC	-	Village Water and Sanitation Committee
WASMO	-	Water and Sanitation Management Organisation
WQM&S	-	Water Quality Monitoring & Surveillance

CHAPTER-1

KERALA RURAL WATER SUPPLY & SANITATION AGENCY – A PROFILE

About KRWSA

Government of Kerala was a signatory State in the Cochin Declaration that brought in reforms in rural water supply sector in the Country. Subsequent to Cochin Declaration in 1999, Government of Kerala has established an autonomous institution “Kerala Rural Water Supply and Sanitation Agency (KRWSA)”- as a Special Purpose Vehicle to implement the World Bank aided, community-managed rural water supply and environmental sanitation project named as "Jalanidhi". KRWSA was registered on 17-11-1999 under Travancore Cochin Literary, Scientific and Charitable Societies Registration Act 1955 (Act XII of 1955) with Registration No.T.1812.

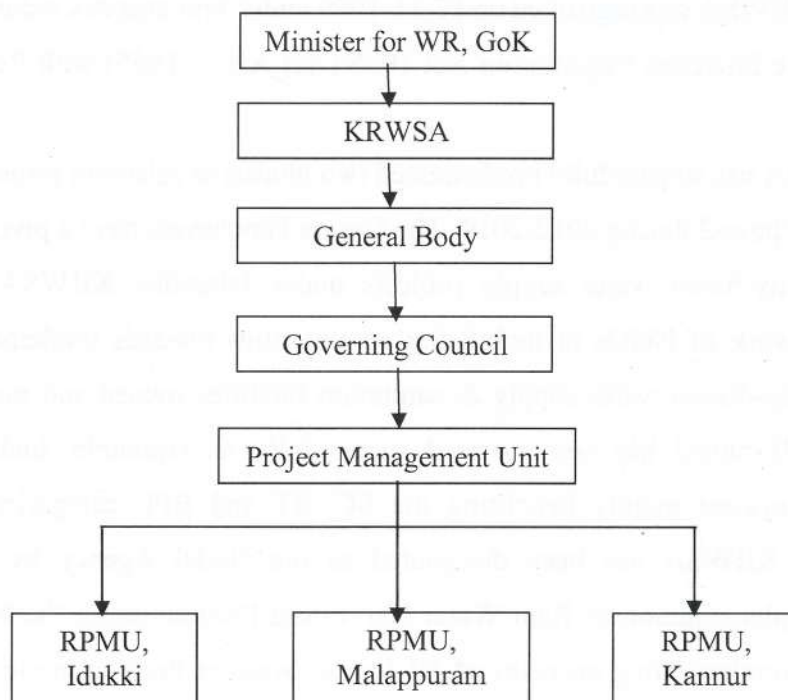
KRWSA has successfully implemented two phases of Jalanidhi project; Phase-1 during 2000-2008 & Phase-2 during 2012-2019. The Grama Panchayats have a pivotal role in implementing community-based water supply projects under Jalanidhi. KRWSA has also established a wide network of NGOs in mobilising communities towards implementing the participatory, community-driven water supply & sanitation facilities owned and managed by them. The JALANIDHI model has demonstrated successfully an equitable, inclusive and decentralised delivery system mainly benefiting the SC, ST and BPL categories of rural households in Kerala. KRWSA has been designated as the Nodal Agency by the State Government for the implementation of Rain Water Harvesting Programme in the State. Also KRWSA is one of the implementing agencies of Jal Jeevan Mission Programme in the State. KRWSA is also implementing state plan schemes since 2019-20.

CHAPTER-2

ORGANISATIONAL STRUCTURE

Institutional and Implementation Arrangements

Kerala Rural Water Supply and Sanitation Agency (KRWSA) is a registered society established for the implementation of community based water supply and sanitation projects. This Society is registered under Travancore Cochin Charitable Societies Registration Act of 1955. KRWSA funded by Water Resources Department, Government of Kerala. KRWSA has its General Body and Governing Council. Hon'ble Minister for Water Resources is the President of the General Body. Secretary, Water Resource Department is the Chairman of Governing Council and it has the delegation to manage day to day affairs of the Agency.



The General Body of KRWSA consists of the following members:

1. Minister-in-charge of Water Resources, Government of Kerala as President
2. Secretary to Government, Water Resources
3. Secretary to Government, Local Self Government (Rural)
4. Secretary to Government, Planning Department
5. Secretary to Government, Finance Resources Department
6. Executive Director, CWRDM, Kozhikode
7. Managing Director, Kerala Water Authority
8. Director, Ground Water Department
9. Executive Director, Socio Economic Unit Foundation
10. Three Presidents of Project GPs, one of whom shall be a woman to be nominated by the Government.

11. One President of a District Panchayat where in the project is implemented to be nominated by the Government.
12. Two representatives of NGOs which have acted as SOs in the KRWSA project to be nominated by the Government.
13. Two eminent health and hygiene experts one of whom shall be a woman to be nominated by the Government.
14. The Executive Director KRWSA as Member Secretary
15. In addition, three persons not below the age of 21 years, who is in agreement with the aims and objectives of the Society, as set out in the Memorandum of Association, nominated by Government upon a majority decision of the General Body provided it is duly recommended by the Governing Council. Each application for membership should be proposed and seconded by members of the Society.

Number of General Body meetings convened during Phase I : 9
 Number of General Body meetings convened during Phase II : 2

The Governing Council consists of the following members:

1. Chairman – Secretary to Government, Water Resources (Ex-officio)
2. Executive Director of KRWSA (Ex-officio) – Member Secretary
3. Secretary to Government (Finance – Resources) (Ex-officio)
4. Secretary to Government (Local Self Government) (Ex-officio)
5. Managing Director, Kerala Water Authority (Ex-officio)
6. One President of a project GP nominated by Government.
7. One representative of an NGO which has acted as Supporting Organization in the KRWSA project nominated by Government.
8. One eminent health and hygiene expert duly nominated by Government.

Number of Governing Council meetings convened during Phase I : 42
 Number of Governing Council meetings convened during Phase II : 22
 Number of Governing Council meetings convened after Phase II : 2

Functions of the General Body

1. Review the progress of the society during the year and suggest improvements/modifications in furtherance of organizational objectives.
2. Elect members of the Governing Council as and when necessary.
3. Consider and approve accounts and the auditors report therein.
4. Appoint auditors for the audit of the accounts for the next financial year and fix their remuneration.
5. Consider and decide the appropriation of surplus/deficit.
6. Seek advice on any emergency matter related to the functioning of the Society.

Functions of the Governing Council

The major responsibilities of the Governing Council are to approve the Annual Action Plan, budget for every year, Grama Panchayat selection, recommendation for staff service extension sourced on deputation or on contract, Support Organization list approval, Annual Audit Report and approval of project estimates beyond the powers of the Executive Director.

The Governing Council– the apex policy making body of KRWSA has met 64 times since its inception and has been functioning as an effective board overseeing the project implementation.

KRWSA has a Project Management Unit and three Regional Project Management Units.

A. Project Management Unit (PMU)

The PMU is headed by an Executive Director (an officer from Indian Administrative Service) for general coordination and effective administration of the project. Apart from that, 5 operational units under each Director: Operations, Technical, Finance and Administration, HRD and M&E, and having about 139 key professional staff. The staff are multi-disciplinary including specialists in Operations, Water Supply, Sanitation, Environment, Social Development, Finance & Administration, HRD, M&E, Procurement and Communication disciplines.

Functions

- Overall programme management for improved and sustainable rural water supply and sanitation services in Kerala, including Information, Education and Communication (IEC), and monitoring and evaluation of activities, outcome and impacts.
- Arranging social, technical, management and capacity building support to GPs, community-based organizations and beneficiary groups (BGs), for all single-GP schemes and Multi GP rehabilitation schemes
- Guiding the functioning of the Regional Project Management Units (RPMUs)
- Consolidation of annual work plans
- Consolidation of periodic progress reports
- Liaison with GoI, GoK and other agencies
- Financial Management and Audit
- Human resource development, including hiring of specialists
- Fund flow management and fund release
- State-level IEC campaigns
- Monitoring, learning, impact evaluations and MIS
- Quality control of works
- Developing Project Implementation Guidelines
- Framing of policies

B. Regional Project Management Units (RPMUs)

KRWSA's project activities are implemented across the state through Regional Project Management Units (RPMUs) located at Idukki, Malappuram and Kannur districts. Each RPMU will cover 3–7 districts and will be headed by a Regional Project Director, an officer not below the rank of Deputy Development Commissioner.

RPMU staff will travel to Project GPs and give advice, guidance, and on-the-spot approvals as and when needed by GP Support Teams (GPSTs). Strong linkage with grass root level institutions and effective supervision of project activities can be ensured through this arrangement.

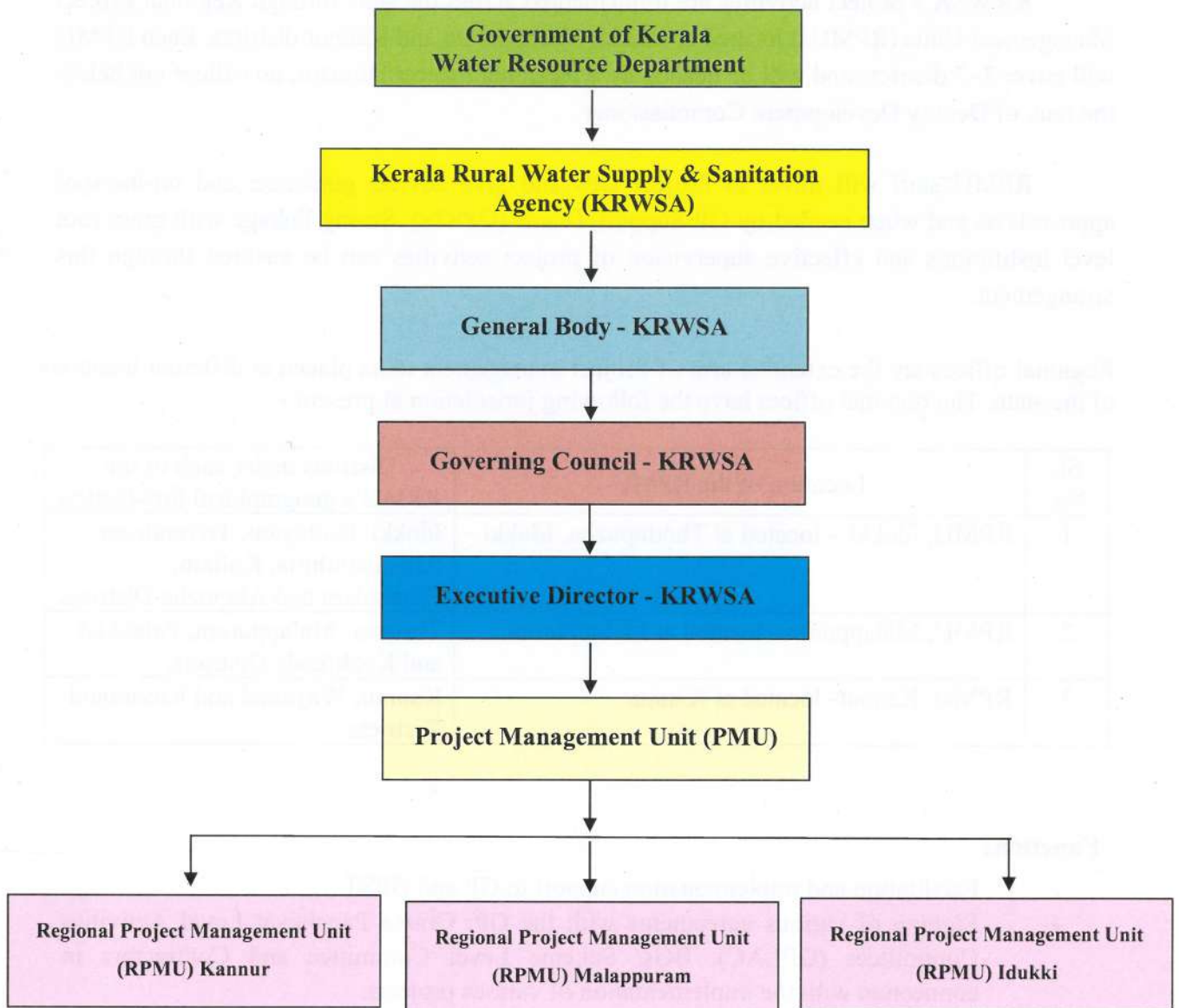
Regional offices are the extended arm of Project management units placed at different locations of the state. The regional offices have the following jurisdiction at present:-

Sl. No.	Location of the RPMU	Districts under each of the RPMU's geographical jurisdiction
1	RPMU, Idukki – located at Thodupuzha, Idukki	Idukki, Kottayam, Trivandrum, Pathanamthitta, Kollam, Ernakulam and Alapuzha Districts
2	RPMU, Malappuram- located at Malappuram	Thrissur, Malappuram, Palakkad and Kozhikode Districts.
3	RPMU, Kannur- located at Kannur	Kannur, Wayanad and Kasaragod Districts

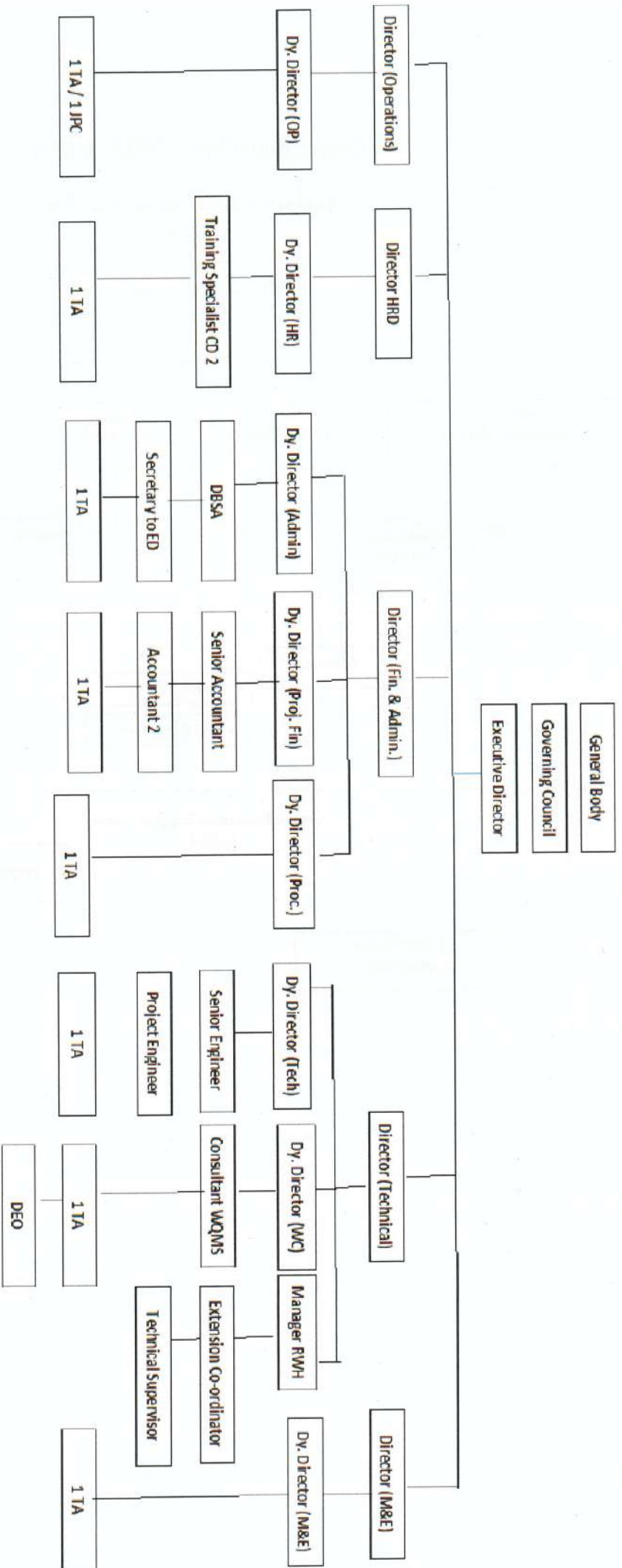
Functions

- Facilitation and implementation support to GP and GPST
- Signing of various agreements with the GP, Grama Panchayat Level Activities Committees (GPLAC), BGs/ Scheme Level Committee and Contractors in connection with the implementation of various projects.
- Capacity building support for the GP, GPST, GPLACs, BG/SLEC teams to ensure that stakeholders perform their functions effectively during Project implementation
- Maintenance of a Project bank account (an account linked to the PMU bank account), fund management at the regional level and timely transfer of these funds to the stakeholders
- Random supervision and monitoring of various components, during Project implementation
- Ensuring timely and satisfactory completion of Project components at par with the scheme cycle
- Completion of project closing formalities at the GP level

Organisational Chart for KRWSA Jalanidhi

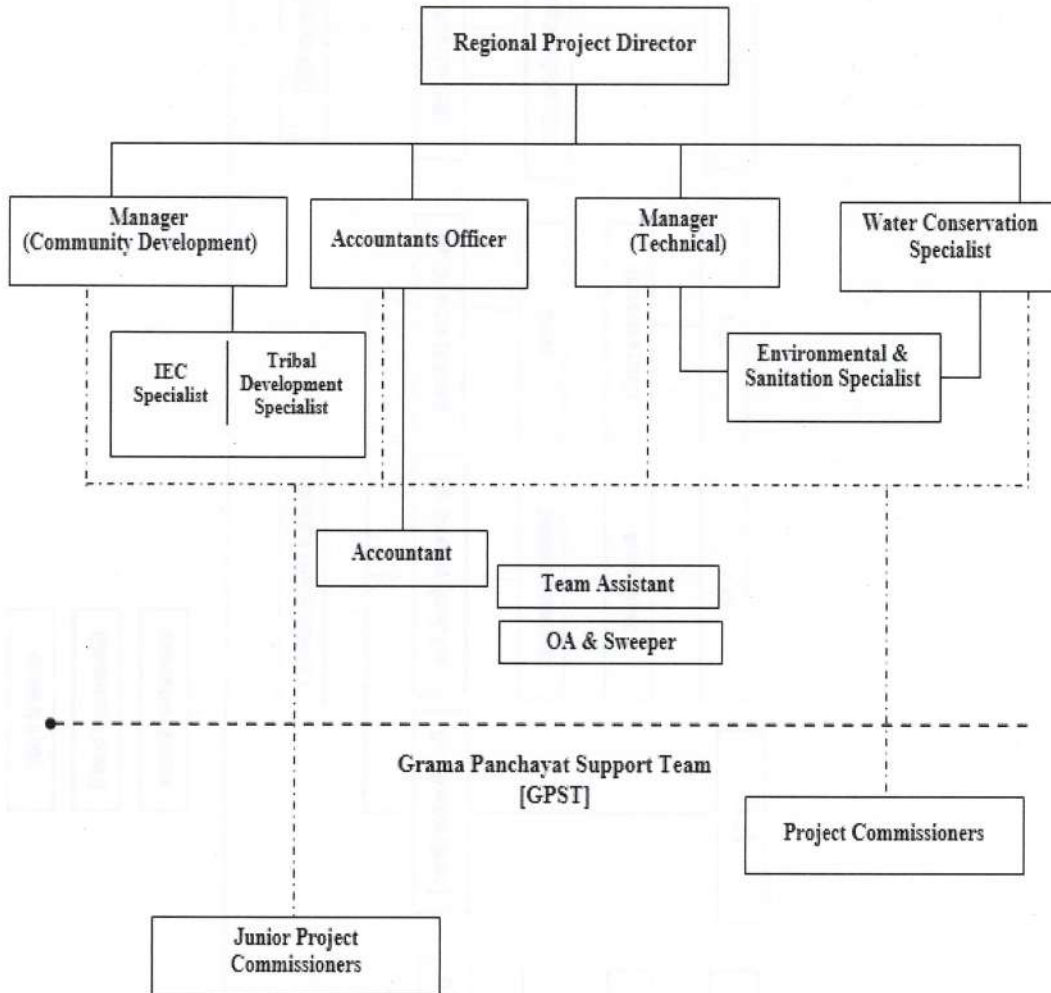


Organisational Chart of PMU



Organizational Chart of RPMU & GPST

Regional Project Management Unit [RPMU]



CHAPTER - 3

VISION, MISSION, ACTION PLAN AND MILESTONES

Vision

Assured access to safe and sustainable water supply and sanitation services to every household in the State.

Mission

Synergise the strength of Community and Local Governments to build sustainable water supply & sanitation services to reach the unreachable through appropriate technology and resources.

Aims

- Be the lead agency extending support services like community mobilization, capacity building and IEC to the local bodies and implementing agencies for achieving 100% saturation of FHTCs in the state.
- Promote water security by protecting traditional sources, Ground Water Recharge and Rain Water Harvesting.
- Achieve 24 x 7 water supply through smart network management and reducing Non-Revenue Water (NRW).
- Minimize stress on water resources by adopting 3 R concept.
- Capacitate and Empower communities for sustainable Operation and Maintenance of water and sanitation assets.
- Backstopping support to ensure sustainability of investments.
- Ensure safe water through Water Quality Monitoring and Surveillance activities.
- Make sustainable water use a way of life.

Objectives

- Capacity building and awareness creation at community, local body level synergising the strength of Support Organisations, local bodies and sector organisations.
- Build mini/micro water supply schemes using appropriate technology and resources in remote, difficult and forested areas suitable for community management.
- Promote non-conventional energy sources in water supply systems.
- Work as an Agency complementing other sector organisations.
- Recharge and protect traditional sources for water security.

- Community management of Operation and Maintenance for ensuring long-term sustainability of water and sanitation services.
- Provide technical and managerial support to all community-managed water supply schemes.
- Water Quality Monitoring and Surveillance by training volunteers at community level.
- Promote water literacy and a culture of valuing water.
- Develop an ecosystem of institutions for promoting innovation in the sector.

Targets

- Achieve 1 lakh FHTCs under Jal Jeevan Mission by the year 2024.
- Manage the activities of the Implementation Support Agencies under Jal Jeevan Mission in all 941 GPs.
- Achieve 50,000 Open Well Recharges and Rain Water Harvesting structures by 2024.
- Ensure sustainability and functionality of all 5291 Jalanidhi schemes by the year 2024.
- Establish 500 Jalasree clubs in schools to promote water literacy by 2025.

CHAPTER - 4
SCHEMES IMPLEMENTED BY KRWSA

4.1 World Bank assisted Jalanidhi Projects

Introduction

KRWSA has successfully implemented two phases of Jalanidhi Project, i.e. Jalanidhi Phase-1 during 2000-2008 & Phase-2 during 2012-2019. KRWSA had implemented 5884 water supply schemes under Jalanidhi Phase-1&2 projects covering 227 GPs benefiting 4.52 lakhs households. 1.04 lakhs individual latrines, 24194 latrine conversion, 96703 environment management plan units (soak pit, compost pit, vermin compost etc) and 1916 bio gas units were also completed under Jalanidhi project. After commissioning of the schemes, the assets created were handed over to the user group - Beneficiary Groups (BG) for Operation and Maintenance (O&M) all by themselves. The schemes in Phase 1 that were commissioned first have been operational for more than 20 years.

The details of Jalanidhi Phase I & II projects are furnished in the table below.

Jalanidhi Phase I & II Projects			
Description	Phase I	Phase II	Total
Effective Date	28.02.2001	01.01.2012	
Closing Date	30.09.2008	28.06.2019	
Project Cost-outlay (Rs. Cr.)	381.50	1358.53	1740.03
Project Expenditure (Rs. Cr.)	411	1360	1771
No. of Panchayaths	112	115	227
No. of schemes completed	3710	2174	5884
No. of HH Covered	1,91,865	2,59,912	4,51,777

KRWSA with the support of NGOs, have established a system of small/large and Multi GP, beneficiary community-run rural water supply models under the Jalanidhi Project. KRWSA intends to play a meaningful complementary role (together with KWA) in establishing sustainable rural water supply and sanitation infrastructure in the state. The World Bank assistance to Jalanidhi project was over on 31.12.2019 and since then the Spill Over projects are being implemented under state plan.

Meanwhile, the State Planning Board had identified that about 35% of the Jalanidhi Schemes implemented under Jalanidhi Phase I are either defunct or only partially functional due to various reasons. Based on the findings, a proposal for rehabilitating these schemes was made and a new head of account “Sustainability support to Community Managed Water Supply Scheme” was sanctioned under State Plan.

Also KRWSA is the Nodal Agency for the implementation of Rain Water Harvesting Programme in the State and there is a budget head “Scaling up RWH and GWR activities” with regular budget allocation. Besides the above, KRWSA is one of the implementing agencies for the Jal Jeevan Mission project in the state during the period 2020-2024.

On completion of the World Bank assistance to KRWSA, the organisation has taken up the schemes under state plan.

4.2 Schemes under State Plan:

- i) Completion of Jalanidhi Phase-II Projects
- ii) Sustainability Support to Community Managed Water Supply Schemes.
- iii) RWH & GWR

New schemes sanctioned in 2022-23

- iv) Conversion of Homestead Wells into Protected and Sustainable Drinking Water Sources
- v) Water Quality Monitoring and Surveillance & Grey Water Management
- vi) R&D in Rural Water Technologies and Management
- vii) IEC, Capacity Building and Training & Jalasree club

The budget allocation of the above projects and its physical targets & achievements for the FY 2022-23 are presented below.

Plan Scheme Details 2022-23					
Sl. No.	Name of the Scheme	Head of Account	Budget Outlay- Rs in lakhs	Physical Target	Physical achievement as on 31.03.2023
1	Completion of Water Supply Schemes under the World Bank Aided - Jalanidhi II-Project	4215-01-800-85(P)	125	1	1

2	Sustainability Support to Community Managed Water Supply Scheme	2215-01-102-80(P)	3000	718	484
3	Scaling up of Rain Water Harvesting and GWR measures through KRWSA	2215-01-800-64(P)	1000	3408	1645
4	Conversion of Homestead Wells into Protected and Sustainable Drinking Water Sources	4215-01-800-85(P)	400	531	218
5	Water Quality Monitoring and Surveillance & Grey Water Management	4215-02-102-99(P)	350	86	11
6	R&D in Rural Water Technologies and Management	4215-01-800-84(P)	6	0	0
7	IEC , Capacity Building and Training & Jalasree club	2215-01-003-99(P)	15	0	0
	Total		4896		

Government of Kerala (GoK) has provided budget provision of Rs.48.96 Crores for implementing various plan schemes by KRWSA during the year 2022-23. Rs.29.098 Crores has been received from GoK against this for the purpose. KRWSA has expended Rs.28.79 Crores in 2022-23 including the utilization of previous year's balance fund. Apart from this KRWSA has also involved in the implementation of JJM programme in the state.

Achievements against each of the plan head components and JJM activities by KRWSA during the year 2022-23 are detailed below,

a) Sustainability support to Community Managed Water Supply Scheme

Once the Jalanidhi schemes are commissioned the assets created are handed over to the BGs for Operation and Maintenance (O&M) by themselves. Neither the WRD nor the LSG is rendering any post exit support. The schemes that were commissioned first have been operational for more than 20 years without any support. The performance assessment conducted by CAG found that nearly 35% of the schemes have become partially or fully non-functional since being handed over to the BGs in 2008 with technical, social & financial issues cropping up during continued operation for more than a decade. In order to ensure sustainability of investments made, Government of Kerala has initiated a project named sustainability project to reinstate all partially / fully defunct community driven schemes to functional schemes and allocated budget provision from 2018 onwards. KRWSA could reinstate 1145 schemes so far as on 31.03.22 under this project.

Sustainability support works



Before the project



After the project



Government of Kerala has provided a budget provision of Rs.30 crore and released Rs.19.92 Crore during the year for this component. Rs.19.30 crores have been expended including carried over funds from previous years. Out of the 718 partially /fully defunct schemes taken up for restoration during the year, 484 schemes have been restored as on 31.03.23 to functional schemes.

b) Scaling up of Rain Water Harvesting & Ground Water Recharge programme

Rain Centre functioning as part of KRWSA was constituted in the year 2004 to promote Rain Water Harvesting and Ground Water Recharge activities in the State. Scaling up of roof top Rain Water Harvesting programme with the component of Ground Water Recharge is found suitable for the individual households as alternative method for providing drinking water and gradually improving the water table. The programme is well accepted by the people in State, especially those who are living in hilly, coastal and remote areas with limited access to potable water. The programme is implemented utilizing the Plan provision provided in the State Budget of every Financial Year. Many of the Grama Panchayths, especially the Grama Panchayths belonging to hilly and coastal regions are seriously implementing Rain Water Harvesting as a technology option to solve the drinking water issues of their GPs. The programme named as 'Jala Sowhrudha Vidhayalayam' is implemented on State wide by financially assisting the selected Government/Aided schools to construct RWH structures. 840 structures have been constructed under this programme. The need and importance of Rain Water Harvesting programme under the light of severe flood hit all over the State in 2018 has once again accelerated. 10178 Rain water harvesting structures of 10,000 ltr capacity and 2630 open well re charge structures have been completed as on 31.03.23.

Roof Top Rain Water Harvesting with a component of Ground Water Recharge is found suitable for the individual households as an alternative method for providing drinking water and at the same time improving the groundwater table. Government of Kerala has provided a budget provision of Rs.10 crore and released Rs.5.80 Crore during the year for this component. Rs.5.86 crore has been expended. 1645 RWH systems has been completed during the year as on 31.03.23.



c) Spill over works of Jalanidhi-Phase-II Project

All schemes taken up under Jalanidhi-II project have been completed. Government of Kerala has provided a budget provision of Rs.1.25 crore for the settlement of pending bills and released Rs.1.25 Crore during the year for this component. Rs.3.34 crores was expended including carried over funds from previous years. Munniyur LWSS in Malappuram GP benefitting 5534 households which was left uncompleted in Jalanidhi Phase-II, has been completed during the period utilising the fund under this head.

d) Conversion of domestic wells into protected and sustainable drinking water sources

The dug wells are excellent means of ground water recharge and if properly protected and recharged, well can serve as reliable sources of drinking water and at the same time replenish the decreasing ground water table.

GoK has made budget provision from 2022-23 onwards against proposal submitted by KRWSA to convert wells into protected and sustainable drinking water sources. As the quality of living has improved a lot in the state, water demand is high. 100 LPCD ensured by Kerala State Water Utility is insufficient to cater the demand of people. So this programme is highly important to protect the traditional sources to maximum to ensure future water security.



Government of Kerala has provided a budget provision of Rs.4 crore and released Rs.2Crore during the year for this component. Rs.0.25 crore has been expended. 218 domestic wells have been converted into protected and sustainable drinking water sources as on 31.03.23

e) Water Quality Monitoring & Surveillance of community managed water supply schemes & Grey water management

Access to safe drinking water is essential to health, a basic human right and component of effective policy for health protection. Regular testing of water supplied by Government and other institutional agencies is a prerequisite of potable water supply to households and public institutions. To test water



samples and surveillance of water sources as well as water at delivery points in homes and alerting people about possible contamination's to prevent water borne diseases are the most critical steps of Water Quality Monitoring and Surveillance (WQM&S). One of the major issues facing the community managed small water supply schemes is the absence of a mechanism to regularly test and monitor water quality. Being a public water supply, though small in capacity, needs regular monitoring and timely mitigation in case of Water Quality issues. KRWSA wants to fill this gap and function as the Water Quality Monitoring and Surveillance (WQM&S) agency for all rural community managed water supply schemes.

Government of Kerala has provided a budget provision of Rs.3.50 crore and no fund was released during the year for this component.

f) IEC , Capacity Building & Training and Jalasree Club

Information Education and Communication (IEC) activities in water sector aims at building capacities of different stakeholders especially local communities, responsible and leadership to own, manage, operate and maintain in-village water supply systems. Capacity building and Training activities for the sustainability support programme is envisaged to rebuild/ reorient/ reenergize the existing institutional setup to effectively and scientifically manage the water supply schemes so as to serve at the desired level. The objective of the scheme is to sensitize the importance of water conservation, environment sanitation for safe drinking water, water quality testing, safe drinking water etc. and to promote water conservation

activities, water quality improvement activities, activities to control water born and communicable diseases etc.

Jalasree Club is a school-level project on water conservation which is an initiative of Kerala Rural Water Supply and Sanitation Agency (KRWSA). Water literacy promotion programmes are the only way to promote water conservation & water quality improvement in our state. The state government as well as Local-Self Governments have given high priority for water conservation. Since children are the citizens of tomorrow, water literacy campaign should start from school. Moreover, children have great influence over their parents.



Awareness creation among students and involvement of students in water conservation as well as water quality improvement programmes can change the belief and attitude of the general public. Jalasree Club will organise various programmes on water conservation that included campaigns, surveys, camps, field trips, and rallies. The clubs will take up field trips to conduct water quality testing in all the houses and nearby areas in schools.

The Jalasree Club focuses on the development of life skills and mobilization of parents, communities, governments and institutions to work together to improve ground water level by water conservation techniques and also to improve hygiene and environmental sanitation by promoting best practices.

KRWSA with the help of Jal Jeevan Mission, Implementation Support Agencies (ISAs) has facilitated the formation of 125 Jalasree clubs in schools during the year 2022-23.

Government of Kerala has provided a budget provision of Rs.15 lakhs and released Rs.9.30lakhs during the year for this component. Rs.3.38 lakhs has been expended. Jalasree clubs were formed in 125 schools and trainings were given to teacher coordinators.

g) R&D in Rural Water Technologies and Management

KRWSA had observed that one of the reasons for the failure of the Water Supply Schemes implemented under the Jalanidhi I & II (world bank aided project), is the water quality issues developing after a course of time. To provide water quality mitigation solutions using appropriate and innovative technologies and successful O&M models to habitations away from the reach of large water supply schemes to the under privileged and vulnerable sections of the population various activities have been proposed under the R&D program. KRWSA proposes to collaborate with reputed academic / management / R&D institutions to address the emerging issues in community managed water supply schemes.

Proposed activities are listed below,

R&D and Piloting LORA (a Low Power, wide Area networking protocol designed to wirelessly connect battery operations to the internet, to connect sensors, gateways, machines, devices etc. wirelessly to the cloud) based wireless water level controller cum pump operation.

For water quality mitigation measures, frequent testing/ monitoring of water sample is essential for the commonly varying water quality parameters such as turbidity, pH and iron. It is proposed for in house testing of water samples for which procurement of Turbidity meter, digital pH meter and TDS meter are suggested and included under this head

Continued Researches for developing appropriate, cost effective, and efficient & community manageable technologies /water quality mitigation models for the existing water supply schemes for the uncovered water supply areas located in remote and difficult terrain with no perennial water supply sources are to be taken up in the successive years under this program. Government of Kerala has provided a budget provision of Rs.6 lakhs and released Rs.3.72 lakhs during the year for this component. No activities were done under this component as the fund was received during fag end of March'23.

4.3 Jal Jeevan Mission

Jal Jeevan Mission announced by the Hon'ble Prime Minister of India on 15th August 2019 is envisioned to provide safe and adequate drinking water through Functional Household Tap Connections (FHTC) to all rural households in India by 2024. The programme will also implement source sustainability measures as mandatory elements, such as water conservation, rain water harvesting, ground water recharge, grey water management etc. The Jal Jeevan Mission is designed with community and GP at the centre and includes extensive Information, Education and Communication (IEC) as a key component of the mission. JJM aims to create a Jan Andolan for water, thereby making it everyone's priority. KRWSA along with KWA and

GWD is one of the implementing agencies of the JJM projects. 21,661 household level functional tap connections and 2236 household tap connections have been provided by KRWSA as on 31.03.23 under JJM. BG has also provided 5329 connections by themselves after the exit of KRWSA from Jalanidhi project.

Jal Jeevan Mission Activities – FY 2022-23

KRWSA has taken up the following responsibilities under JJM.

- i. Providing FHTCs from existing Jalanidhi Schemes which has spare capacity.
- ii. New schemes in those GPs which have decided KRWSA as the implementing agency.
- iii. Management of Implementation Support Agencies (ISAs) in all GPs.
- iv. Water Quality Monitoring & Surveillance.

Unlike KWA schemes, the Jalanidhi schemes are owned and operated by the communities. The KRWSA has therefore to convince the existing beneficiaries to get their willingness to include new beneficiaries. Also the number of connections per scheme being small, it is difficult to attract resourceful contractors..

7396 functional household tap connections have been provided during the FY 2022-23 as on 31.03.23. Information, Education and Communication (IEC) activities were conducted in all Jal Jeevan Mission projects. Management of Implementation Support Agencies for facilitating the JJM project implementation was also done by KRWSA during this period

CHAPTER-6
FINANCIAL PERFORMANCE

For the Year 2022-23 a total amount of Rs.4896.00 lakh was allocated in the State Budget in favour of the agency for the seven State Plan Schemes. Out of this a total amount of Rs.2909.84 lakh was released to KRWSA for implementation of the schemes. Out of this a total amount of Rs.2607.53 lakh was incurred as expenditure for implementation of various schemes. A total amount of Rs.266.38 lakh was resumed by Government on 31/03/2023 from the total grant amount released, leaving a total amount of Rs.35.93 lakh as balance in the PSTSB Accounts of PMU and RPMUs with Treasuries concerned.

Plan Expenditure

(Amount Rs. in Lakh)

Sl. No	Name of the Scheme	Budget Allocation	Amount released from Govt.	Expenditure from previous year's balance and Interest and other Miscellaneous receipts	Expenditure re from the current year's release	Total Expenditure	Balance from the budget release as at the end of the year	Fund resumed on 31/03/2023
1	Completion of Water Supply schemes under World Bank aided Jananidhi – II	125.00	125.00	210.50	123.37	333.87	0.00	1.63
2	Sustainability support to community managed Water Supply Scheme	3000.00	1991.82	30.67	1899.74	1930.41	11.55	80.53
3	Scaling up of Rain Water Harvesting & Ground Water Recharge programme	1000.00	580.00	28.31	557.86	586.17	10.00	12.14
4	Conversion of domestic wells dug into protected and sustainable drinking water sources	400.00	200.00	2.14	23.18	25.32	12.13	164.69
5	Water Quality Monitoring and Surveillance and Grey Water Management	350.00	-	-	-	-	-	-
6	Research and Development in Rural Water Technologies and Management	6.00	3.72	-	-	-	-	3.72

7	IEC, Capacity Building and Training & Jalashree Club	15.00	9.30	-	3.38	3.38	2.25	3.67
	Total	4896.00	2909.84	271.62	2607.53	2879.15	35.93	266.38

During 2022-23 a total amount of Rs.2879.15 lakh was spent in connection with the implementation of the schemes, including establishment and administrative expenses by utilizing Rs.2607.53 from the budget allocation and a total amount of Rs.271.62 lakh which was available as previous years balance, interest & miscellaneous receipts evolved during the year 2022-23.

Even though an amount of Rs 350 lakh was allocated in the state budget for the year 2022-23, for the scheme "Water Quality Monitoring and Surveillance & Grey Water Management", no amount was released from Government, as the works awarded were not completed till the end of the financial year. Hence no expenditure could be incurred under the scheme during the year under report.

Similarly no amount was incurred during the year 2022-23, under the scheme "Research & Development in Rural Water Technologies & Management". The planned activities couldn't be implemented under this scheme as envisaged.

The total establishment and administrative charges for the year 2022-23, is Rs.672.92 lakh excluding depreciation on assets. This has been charged under item of expenditure for implementation of the scheme 'Sustainability Support to Community Managed Water Supply Scheme' (Rs.442.92 lakh) and 'Completion of Jalanidhi II Schemes'(Rs.230.00 lakh).

During the year 2022-23, a total amount of Rs.169.19 lakh was utilized from the balance amount of fund received as SDRF grant during the years 2018-19 and 2019-20, for restoration partially/fully damaged Water Supply Schemes due to the flood during the years 2018 and 2019. An amount of Rs.106.17 lakh is remaining as balance under this head as on 31.03.2023.

As the agency is not generating income of its own, and implementation of the schemes, is being done only by utilizing Government Grants, the "Accounting Standard-12" of the Institute of Chartered Accountants of India is being followed for the accounting treatment of Govt. grants in the books of Accounts of KRWSA. As such the annual accounts of the agency will not disclose any surplus or deficit as financial results. A total amount of Rs.6.56 lakh is charged under depreciation and it has been shown as a deduction from the Capital Grant.

Internal Audit

Internal Audit of Accounts of the Agency is being carried out by an in-house team constituted periodically for the purpose. The team is usually comprising of the Consultant (Finance) who will be a Chartered Accountant, Dy. Director (Finance), Senior Accountant

and Accountants of PMU and RPMU in accordance with the administrative convenience. The Consultant (Finance) was acting as the team leader and the audit was being carried out under the control and active involvement of the Consultant. During the year 2022-23, the Consultant (Finance) was not in position as the consultancy was terminated on completion of the credit period in respect of the financial aid from the World Bank for Jalanidhi-II project. The Internal Audit of the Year 2020-21 to 2022-23 is yet to be carried out.

Statutory Audit

M/s Ramanda Iyer & Associates, Ernakulam are the statutory Auditors of the Agency for the Year 2022-23. The Auditors have completed the work and the certified statements of accounts (as noted down) for the year 2022-23 and bestowed the audit report thereon, which are attached herewith:-

1. Balance Sheet as on 31-03-2023
2. Income and Expenditure Account for the year 2022-23

CHAPTER-6

COMPUTERISATION & IT INITIATIVES (E-GOVERNANCE INITIATIVES)

KRWSA had implemented the following IT based solutions as part of its e-governance programme.

- Internet based online MIS system named JIMS & Online Financial module (FMIS) had been used for field level data collection and monitoring of Physical and Financial progress of the Jalanidhi Phase-II project activities.
- E-office system “Sujalam” has been implemented in all KRWSA offices. The e-Office system is an integrated file and records management system that allows employees to manage content, search for data internally and collaborate. The file system also enables the electronic movement and the tracking of files, archival and retrieval of data.
- Assets created under Jalanidhi are now mapped in GIS platform. Assets created in 63 GPs have been mapped in GIS & uploaded in Jalanidhi website.
- Grievance Redressal mechanism is functional at KRWSA with the toll-free number 1800-425-5031. Besides web based complaint registration and tracking system attached to Jalanidhi website is also operational.
(www.jalanidhi.kerala.gov.in)
- Document Management System (DMS) has been implemented in KRWSA for organizing, securing, capturing, digitizing, tagging, approving, and completing tasks of Documents in the office.
- All KRWSA activities are being uploaded in website under the URL: jalanidhi.kerala.gov.in regularly. (Details of completed projects, ongoing projects, success stories, latest news, grievance redressal system, tender details, GIS/MIS platform, GOs/Guidelines, Project Photos etc are now available in website)
- Video conferencing facility arranged in PMU as well as all RPMUs.
- Initiated a “mobile app“ based functionality survey of all community managed schemes in a GP and survey data with geo referred asset pictures are published in Jalanidhi website for public use. Survey of 978 schemes in 78 GPs have been completed as on 31.03.2023.

CHAPTER – 7
ESTABLISHMENT

Kerala Rural Water Supply and Sanitation Agency {KRWSA} has four offices across the state, a State level Project Management Unit (PMU) in Thiruvananthapuram and three Regional level Regional Project Management Units (RPMU) in Idukki, Malappuram and Kannur Districts. The PMU has five organizational units: one each for Operations, Technical, Finance and Administration, Human Resources Development (HRD) & Monitoring and Evaluation (M&E). The KRWSA is headed by an Executive Director (IAS Officer). During the period it is held additionally by the Managing Director of Kerala Water Authority. The staffs are multi-disciplinary and include specialists in Operations, Water Supply, Sanitation, Environment, Social Development, Finance and Administration, HRD, M&E, Procurement and Communication.

Sl. No.	Designation	Office	Approved staff strength	Present staff strength	Remarks
1	Executive Director	PMU	1	1	
2	Director	PMU	3	1	
3	Regional Project Director	3 RPMUs	3	1	
4	Deputy Director	PMU	8	5	
5	Accounts Officers	3 RPMUs	3	0	
6	Manager (Technical)	3 RPMUs	5	6	C-4 DW-2
7	Manager (CD)	3 RPMUs	3	3	
8	Manager	PMU	1	1	
9	DBSA	PMU	1	1	DW
10	Senior Engineer	PMU & 3 RPMUs	5	2	
11	Tribal Development Specialist	3 RPMUs	2	2	
12	IEC Specialist	RPMU	1	0	
13	Training Specialist	PMU	2	0	
14	Consultant (WQMS)	PMU	1	0	
15	Extension Co-ordinator	RPMU	1	1	
16	Sr. Accountant	PMU	1	1	
17	Accountant	PMU & 3 RPMUs	7	6	
18	Team Assistant	PMU & 3 RPMUs	10	11	D-1 C-8 DW-2
19	Project Engineer / Project Commissioner	PMU, RPMUs & GPST	23	25	C-14 DW-11
20	Technical Supervisor	PMU	3	2	

21	Jr. Project Commissioner	PMU, RPMUs & GPST	34	25	
22	Data Entry Operator	PMU	1	1	
23	JJM Technical Consultant	RPMU		1	DW
24	PC Consultant	RPMU		2	DW
25	JJM Volunteer	RPMU		26	DW
26	Office Attendant	PMU & 3 RPMUs	7	8	C-7 DW-1
27	Sweeper	PMU & 3 RPMUs	4	3	C-1 DW-2
28	Driver	PMU	3	3	C-1 DW-2
29	Security	PMU	1	1	
	Total		134	139	

Address of Project Management Unit

Kerala Rural Water Supply and Sanitation Agency
SS. Kovil Road, PTC Towers, 3rd FLOOR, Thampanoor, Thiruvananthapuram – 695001.

Address of Regional Project Management Units

<i>Sl.No.</i>	<i>Name of Offices</i>	<i>Address</i>
1	Regional Project Management Unit (RPMU), Idukki	RPMU, KRWSA I st Floor, Matha Arcade, Thodupuzha, Idukki - 685 584.
2	Regional Project Management Unit (RPMU), Malappuram.	RPMU, KRWSA MMC-X/102-112, II nd Floor, UMK Tower, Jubilee Road, Uphill, Malappuram - 676505.
3	Regional Project Management Unit (RPMU), Kannur	RPMU, KRWSA II nd Floor, Building No.III/253, Near AKG Hospital, Thalap, Kannur – 670 002.

The present organisation structure, staff pattern, etc. of KRWSA are as per the Jananidhi Project Implementation Plan approved vide G.O. (Ms) No.71/2011 WRD Dated 25/11/2011. Towards the closure of the World Bank assisted Jananidhi Project, the staff strength was also curtailed. The approval for the current strength of 134 staff is up to 31.03.2021 as per sanction issued vide G.O (Rt) No. 774/2020/WRD dated 24/12/2020. 134 is the total staff strength of KRWSA upto 31/03/2022.

During 2022-23 the following Officers were functioned as Chairman & Executive Director of KRWSA.

<i>Name</i>		<i>Period</i>
Shri. Pranab Jyothinath IAS	Chairman, KRWSA	10-10-2022 to 20-03-2023
Shri. Ashok Kumar Singh IAS	Chairman, KRWSA	20-03-2023 onwards
Shri. Venkatesapathy S IAS	Executive Director, KRWSA	02-08-2021 to 29-04-2023
Smt. Veena P	Director (Fin. & Admin.) i/c Additional charge of ED, KRWSA	29-04-2023 to 15-05-2023
Smt. Bhandari Swagat Ranveerchand IAS	Executive Director, KRWSA	15-05-2023 to 24-05-2023
Dr. Dinesan Cheruvat, IAS	Executive Director, KRWSA	24-05-2023 onwards

CHAPTER-8

TRAINING AND CAPACITY BUILDING PROGRAMME

During the financial year 2022-2023 KRWSA has organised several training programmes mainly based on the requirements emerging from the Grama Panchayaths and Regional Project Management Units. These training programmes are requested by the field staff identified during the field visits and also on review meetings. During this financial year Govt has allocated budget provision for four new heads other than the following plan heads.

1. Spillover works for Jalandhi-II,
2. Rain Water Harvesting and Ground Water Recharge and
3. Sustainability Support to Community Managed Water Supply schemes.

Following new plan allocations also made during the financial year.

1. Conversion of domestic well into protected source of drinking water ,
2. Water Quality Mitigation measures and Grey Water Management,
3. Research and Development in Rural Water Technologies and
4. IEC, Capacity Building, Training and Jalandhi Club programmes.

Sustainability Support to Community Managed Water Supply Schemes:-

KRWSA implemented water supply schemes from the year 2000 to 2020 with participation of the user community. User community have shared the capital cost and fully operated and owned during the operation phase. During Jalandhi phase 1 and 2 projects KRWSA had completed 5886 schemes across the state. The schemes executed in participatory mode, were handed over to the community (beneficiary groups) for operating and maintaining the system. An evaluation study has been conducted by Accountant General and find out that about 30 % of the schemes implemented are either fully defunct or partially defunct due to various reasons such as source issues, water quality issues, management issues, social issues, other technical issues and leadership issues etc. Considering this Govt has approved plan allocations to revive these partially and fully defunct schemes to ensure continued supply of water as well as ensuring sustainability of investments. Govt has allocated plan funds from the financial year 2019 onwards and so far we have taken up and rejuvenated nearly 1090 schemes and restored water supply.

This financial year KRWSA has identified nearly 290 partially or fully defunct community managed schemes including Jalandhi across 69 Grama Panchayats.

Various training and capacity building programmes has been organised for various stakeholders to bring back the scheme in its functional status. Following table shows number of training programmes organised by various unit offices of KRWSA.

Sl. No.	Name of the training programme	Target Group	No.of Programmes	Number of persons attended for the programme	Expenses if any
1	GP level orientation on sustainability support programme	GP Members	30	412	Nil
2	Beneficiary Group Federation training for ensuring sustainability	Office Bearers of BG Federations	4	139	Nil
3	Training for GP Level Activity Committee members on procurement and project management	GPLAC	1	23	Nil
4	Operations and maintenance training for BG office bearers	BG office bearers	50	1586	Nil
	Total		85	2160	

Rain Water Harvesting and Ground Water Recharge Programme:-

The State of Kerala is considered to be water surplus State with plenty of rain but continue to face shortage of water during the summer months. Rainwater, which is abundantly available can be harvested and used for summer months. This will be a viable solution in Kerala for solving the shortage of drinking water. Even if a small portion of the huge volume of rainwater is effectively harvested, it can solve the problem of drinking water scarcity in the State especially in the summer months. One of the major drawbacks is that we do not adopt proper water management practices and water conservation measures.

The phenomenon of shortage of water in summer months is the inspiration for taking up various

rain water harvesting and water conservation programmes under Plan Scheme.

The schemes envisage providing alternative source of drinking water facility and improve the ground water table. Under this plan construction of Rain Water Harvesting Units and Ground Water Recharge in individual households, institutions etc.

Various training and capacity building activities have been organised under this head to sensitise the beneficiary households and Grama Panchayat in facilitating and supervising the construction of RWH structures, its quality monitoring and also operation and maintenance of structures etc

Sl.No	Name of the training programme	Target Group	No.of Programmes	Number of persons attended for the programme	Expenses if any
1	Orientation to RWH beneficiaries for O & M	RWH beneficiaries	15	441	Nil

Conversion of Domestic Well into protected and sustainable drinking water sources;

The dug wells are excellent means of ground water recharge. If properly protected and recharged, wells can serve as reliable sources of drinking water. Also, at the same time they can replenish the dwindling ground water table. Service level adopted for rural water supply by KWA is 100 lpcd, but the consumption (wherever sufficient supply is available) is not less than 200 lpcd. People will have to depend on alternate sources to bridge the gap in supply. KRWSA plans Conversion of homestead open wells into Protected, Sanitized and Sustainable drinking water sources along with Rain water Harvesting and Open well Recharge in Financial Year 2022-23 which is the easiest and cost effective water conservation method. It is easy to install, requires less labour, materials, money, less time but huge benefit. These can be a reliable back up to piped water supply besides being an excellent means of ground water recharge. Creation of accurate knowledge and their by creating awareness is the main aim of this soft component. KRWSA have been organised various programmes to sensitise the beneficiary households are detailed below;

Sl.No	Name of the training programme	Target Group	No.of Programmes	Number of persons attended for the programme	Expenses if any
1	Orientation to Individual house hold on need of protection of traditional sources and make it as protected drinking water sources	Beneficiaries	8	144	Nil

Water Quality Monitoring and Surveillance of Community Managed Water Supply Schemes and Grey Water Management in colonies of vulnerable groups:

Under this plan head KRWSA have been organised various training programmes as detailed below

Sl.No	Name of the training programme	Target Group	No.of Programmes	Number of persons attended for the programme	Expenses if any
1	Orientation for Water Quality Mitigation measures	GP level and BG office bearers	14	164	Nil
2	Water Quality Testing training {ToT} for source testing using FTKS	Staff of KRWSA, BG office bearers, JJM Volunteers etc	42	514	Nil

Information Education and Communication {IEC}, Capacity Building & Training and Jalaree Club:

Information Education and Communication {IEC} activities in water sector aims at building capacities of different stakeholders especially local communities, responsible and

responsive leadership to own, manage, operate and maintain in-village water supply systems. Therefore, IEC strategies, planning and their effective implementation will be the key to success of Community Managed Water Supply Schemes. IEC activities include PRA activities, Inter Personal Communication (IPC), Behavioral Change Communication (BCC) and all other related communication activities. The Information Education and Communication component in the programme involves the development and dissemination of IEC materials at interpersonal level, mass media level. The inter personal level includes materials like brochures, flip charts, manuals, stickers, etc. and mass media products include folk programme, wall paintings, posters, audio visuals, to be disseminated through All India Radio, audio, video spots, movies, and through various visual medias. Developing of IEC materials and dissemination of awareness through appropriate media is the key success behind any development project.

Capacity building and Training means the process of upgrading knowledge, skills and management practices together with development of requisite attitude to plan, implement, maintain and manage rural water supply schemes. Capacity Building and IEC activities for the sustainability support programme is envisaged to rebuilt/ reorient /reenergize the existing institutional set up to effectively and scientifically manage the water supply schemes so as to serve the desired level.

Kerala with its plentiful rainfall has a habit of indiscriminate use of water. In reality this is only a false belied and we now face recurring floods and droughts almost every year. We need to change our habits and encourage judicious use of available water, creating awareness among population especially in the younger generation is critical to achieve this goal. Since children are the citizens of tomorrow, water literacy campaign should start from school. Moreover, children have great influence over their parents. Awareness creation among students and involvement of students in water conservation as well as water quality improvement programmes can change the belief and attitude of the general public. Jalasree Club will organise various programmes on water conservation that included campaigns, surveys, camps, field trips, and rallies. The clubs will take up field trips to conduct water quality testing in all the houses and nearby areas in schools.

The Jalasree Club focuses on the development of life skills and mobilization of parents, communities, governments and institutions to work together to improve ground water level by water conservation techniques and also to improve hygiene and environmental sanitation by promoting best practices.

Under this head printing of four set of brochures, guidelines on Jalasree club and Modified guidelines of Sustainability Project Implementation etc have printed and distributed to various stake holders.

Training programme for teacher coordinators and students and competition for students have been held as detailed below;

Sl.No	Name of the training programme	Target Group	No.of Programmes	Number of persons attended for the programme	Expenses if any
1	Training Programme for Teacher and Student Coordinators	Teacher Coordinator, Student leaders of Jalasree Clubs, Students etc	4	353	300000

During the financial year 2022-2023, KRWSA staff has been sent out various capacity building and training programmes organized by various agencies as detailed below:

1. Release event for compendium:

Centre for Science and Environment has studied various successful projects in India and compiled the success stories into a compendium. They have studied various community managed water supply projects across the country. They have studied our Nadathara and Nenmeni Community Based Water Supply Schemes. CSE has published the compendium. Mr.A.Yohannan, Tribal Specialist, RPMU Kannur attended the function and shared the success stories of Jananidhi Project. Participants attended the programme was very impressive and expressed their eager to visit the project.

2. Stakeholder Workshop to address the research requirements of Govt. Departments.

Centre for Water Resources Development and Management (CWRDM) has organised a one day interactive workshop for assessing the research requirements of water sector institutions.

This workshop was organised at Kovalam, Thiruvananthapuram on 31st August 2022. The aim of the workshop is find out the gap between field problems and research. On the occasion of this workshop Hon. Minister for WRD, Shri.Roshi Augustine launched “ Kerala Water Resources Information System”{ KWIRS}. This system will be a comprehensive data base for the institutions under water resources department, Govt. of Kerala. Shri.K.Pramod, In charge of Monitoring and Evaluation Director has attended the programme.

3. Training Programme on Grey Water Management.

Centre for Science and Environment {CSE}, New Delhi contracted by Govt. of India as Key Resource Centre {KRC} to capacitate various stakeholders for the implementation of Jal Jeevn Mission Programme. CSE has organised a training programme on Grey Water Management at their training centre, Anil Agarwal Environmental Training Institute, Nimili, Alwar District at Rajasthan. Following Engineers of KRWSA has attended the training programme.

1. Shri.Eldho Jose, Project Commissioner, RPMU Kannur,
2. Shri.Sweegesh, Project Commissioner, Do
3. Shri.Ganeshan, Project Commissioner, RPMU, Idukki.

This has helped the participants to understand the technologies used in Grey Water Management. After the training programme the participants were able to design grey water treatment systems both institutional and household level. They have implemented Grey Water Treatment System in two tribal hostels associated with Govt. Higher Secondary Schools in Noolpuzha and Edavaka in Wayanadu District. Household level Grey Water treatment system magic pit has been designed and implemented by our trained engineers in Maryoor Grama Panchayat in Idukki District. Both the systems are functional.

4. One Day Workshop on “Sustainable Development Goal {SDG} document vetting workshop.

Planning Department has organised one day workshop for vetting vision document prepared in connection with the “SDG Vision 2030”. KRWSA has also took part in the vetting workshop. Shri.K. Pramaod, Director in charge of Monitoring and Evaluation attended the workshop organised at Centre for Management and Development {KCMD} 26th October 2023 at Thiruvananthapuram. The workshop was very useful to identify the priorities of water sector in future.

5. Training Course on “ Water Supply and Sanitation”

Centre for Water Resources Development and Management {CWRDM} has organised a three days residential training programme on “Water Supply and Sanitation “ for the officers working in various departments of water sector. The aim of the training is to impart knowledge on planning of water supply schemes, collection, transportation and distribution of water and

treatment systems. KRWSA has nominated six Assistant Engineer level officers {Project Commissioners} for the programme. Feedback received from the participant's shows that the programme was very effective and give them inputs on water supply planning and designing.

6. Training Programme on Advanced Techniques in Water Quality Management.

Centre for Water Resources Development and Management {CWRDM} has organised a three days residential training programme on "Advanced Techniques in Water Quality Management. "for the officers working in various departments of water sector. The aim of the training is to impart knowledge on various methods of water quality assessment, water quality parameters and its significant, water quality regulations, modern techniques in water testing, application of GIS, remote sensing in water quality monitoring, water purification methods, health and hygiene aspects etc. KRWSA has nominated six officers from both engineering stream and also general stream. Feedback received from the participants shows that the programme was very effective and helped the participants for a better understanding in water quality issues and its mitigation measures.

7. Training Programme on Functionality of Water Supply Schemes;

Rajagiri College of Social Sciences contracted by National Jal Jeevan Mission as Key Resource Centre has organised a training programme on Functionality of Water Supply Schemes. Three Engineers of KRWSA has participated in the three days residential training programme organised at Kozhikode. The programme helped the participants to have a better understanding on how to ensure the functionality of a water supply schemes, factors affecting the functionality etc.

8. Training Programme on Leadership and Management Skills;

Rajagiri College of Social Sciences contracted by National Jal Jeevan Mission as Key Resource Centre has organised a Training Programme on Leadership and Management Skills. Five officers of KRWSA has participated in the programme. Feedback shows the managerial training has helped our participants to improve their leadership skills, how to overcome stress, how to resolve the complicates issues effectively etc.

Functionality of Water Supply Schemes. Three Engineers of KRWSA has participated in the three days residential training programme organised at Kozhikode. The programme helped the participants to have a better understanding on how to ensure the functionality of a water supply schemes, factors affecting the functionality etc.

9. Training Programme on Laying and Testing of Pipe lines ;

Rajagiri College of Social Sciences contracted by National Jal Jeevan Mission as Key Resource Centre has organised a Training Programme on Laying and Testing of Pipe lines. Five

Engineers of KRWSA has participated in the programme. Feedback shows the programme helped them to give a better understanding of technical aspects.

10. Training Programme on “ Quality Monitoring and Participatory Surveillance {EPANET}.

Rajagiri College of Social Sciences contracted by National Jal Jeevan Mission as Key Resource Centre has organised a Training Programme on Quality Monitoring and Participatory Surveillance. Nine Engineers of KRWSA has participated in the programme. Feedback shows the programme helped them to give a better understanding of technical aspects and software aspects. Participants can gain the knowledge on EPANET software.

Training and Workshops organised by KRWSA

1. Annual Planning and Reflections for Organisational Effectiveness;

KRWSA has organised two days residential workshop on “ Annual Planning and Reflections for Organisational Effectiveness’. The programme held on 12th and 13th of April 2022 at Centre for Water Education, KWA. Detailed report of the workshop and its outcome is attached as Annexure -1

2. Two days’ workshop on Strategy formulation and micro planning of activities undertaken by KRWSA for the FY 2022-2023.

KRWSA has organised two days residential workshop on “Strategy formulation and micro planning of activities undertaken by KRWSA for the FY 2022-2023. The programme held on 25th and 26th of July 2022 at Kerala Institute of Local Administration, Trissur. Detailed report of the workshop and its outcome is attached as Annexure -2

3. Training Programme on Water Quality testing;

Under Jal Jeevan Mission programme, KRWSA organised water quality testing training to Kudumbasree office bearers to conduct the test in Grama Panchayath. Special programmes organised in Kattakada LA constituency as per the request of MLA. Training programme conducted using Field Test Kits {FTKs} to Kudumbasree volunteers, teachers and student coordinators of schools in Kattakada.



4. Trainings given by KRWSA for various Stakeholders;

During this FY KRWSA has given trainings to beneficiary groups, GP level Committee members on the following topics.

- a. Reformulation of Beneficiary groups, record keeping etc.
- b. Procurement related training to GPLAC.
- c. Water Quality Mitigation measures training to Kudumbasree volunteers and BG members.
- d. Operation and maintenance of the water supply systems.
- e. JJM activity training and orientation to ISA

Information Education and Communication Activities during 2022-2023. During the FY KRWSA has developed and published different IEC materials and organised various IEC programmes.

1. Printing of Brochures

During this financial year KRWSA has developed and printed four sets of brochures for helping the implementation of various components.

- a. Brochure on KRWSA in general.
- b. Brochure on Domestic Well Conversion into protected and sustainable drinking water sources.
- c. Brochure on Rain Water Harvesting
- d. Brochure on Jalasree club

Two hand books were also printed and circulated for use of public.

- a. Guideline on Jalasree club for the use of teachers and students.
- b. Guidelines for Project Implementation.

2. State level observation World Water day

World water day is observed in state level. KRWSA has organised various programmes at the Grama Panchayats across the state with the support of ISAs for JJM. Hon. Minister for WRD Shri. Roshi Augustine has inaugurated the state level programme at Thiruvananthapuram, various ministers, MPs, MLAs, Local Government Institutions representatives inaugurated various programmes on the day across the state. The programme are public meetings, seminars on water issues and water literacy, rallies, flash mobs, street plays, exhibitions, river water collections, competitions on water and sanitation among school children's, pledge on water protection and conservation etc are conducted across the state.

IEC MATERIALS



3. Regular updating of KRWSA website;

KRWSA has revamped its website and made it more user friendly. The bi-lingual website is transparent and all the information regarding its projects, progress and plan of actions, current events news etc has been uploaded in the website regularly.

4. Training programme on Jalasree Club:

KRWSA has organised training programmes for teacher coordinators and students of various districts. Competitions were held for the students of Jalasree club in various schools across the state.



CHAPTER – 9
IMPLEMENTATION OF RIGHT TO INFORMATION ACT – 2005

Right to Information Act 2005 that assured the common man the right to know has been a mile stone in the history of India in bringing transparency in governance.

The main objective of the Right to Information Act, 2005 is to ensure transparency and accountability in the working of every Public Authority in the country and to eliminate the scourge of corruption. The Act mandates a legal-institutional framework for setting out a practical regime of right to information for every citizen to secure access to information held by or under the control of Public Authorities.

The Kerala Rural Water Supply and Sanitation Agency (KRWSA) took initiative to implement the Act in the same year itself by issuing necessary Orders and Circulars. The list of Public Information officers designated from PMU and RPMU as follows:-

Sl. No	Department	Appellate officer Designated	Public Information Officers Designated	Asst. Public Information Officers Designated
1	KRWSA - PMU office	Director (Technical)	Director (Operations)	Team Assistant (Operations)
2	KRWSA -RPMU Kannur	Regional Project Director	Manager (Community Development)	Junior Project Commissioner
3	KRWSA - RPMU Malappuram	Regional Project Director	Accounts Officer	Team Assistant
4	KRWSA - RPMU Idukki	Regional Project Director	Accounts Officer	Manager (Community Development)

(Form -I)

The following tables showing the Status of RTI - REPORTING YEAR :2022-23

Sl. No	Department	No. of Public Authorities	No. of Public Authorities in which published the 17 manuals under Sec.4(1)(b)	No. of Public Authorities which updated the 17 manuals during the year	No. of Public Authorities which displayed the 17 manuals on line
(1)	(2)	(3)	(4)	(5)	(6)
1	KRWSA - PMU office	1	1	0	1
2	KRWSA -RPMU Kannur	1	1	0	
3	KRWSA - RPMU Malappuram	1	1	0	
4	KRWSA - RPMU Idukki	1	1	0	
	Total	4	*1	0	1

*Krwsa published all the details in a common jalandhi website.PMU and RPMU's details put in this site. So the total number remains one.

[Form – II]

DESIGNATION OF INFORMATION OFFICERS/APPELLATE OFFICERS**REPORTING YEAR:2022-23**

Sl.No	Department	No. of Public Authorities	No. of Public Information Officers Designated	No. of Asst.Public Information Officers Designated	No. of Appellate officers Designated
(1)	(2)	(3)	(4)	(5)	(6)
1	KRWSA - PMU office	1	1	1	1
2	KRWSA -RPMU Kannur	1	1	1	1
3	KRWSA - RPMU Malappuram	1	1	1	1
4	KRWSA - RPMU Idukki	1	1	1	1
	Total	4	4	4	4

DISPOSAL OF INFORMATION REQUESTS BY PUBLIC INFORMATION OFFICERS
REPORTING YEAR: 2022-23

Name of the Department	No. of requests pending at the end of last year	No. of request received during the year	Total No. of requests	No. of requests disposed	No. of requests rejected	No. of requests deemed to be refused 7 (2)	% of case access to informatio deneied
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KRWSA - PMU office	0	9	9	8	0	0	
KRWSA - RPMU Kannur	0	2	2	2	0	0	
KRWSA - RPMU Malappuram	0	11	11	11	0	0	
KRWSA - RPMU Idukki	0	10	10	10	0	0	
Total	0	32	32	31	0	0	

(Form - IV)

INFORMATION REQUESTS REJECTED BY PUBLIC INFORMATION OFFICERS
REPORTING YEAR: 2022-23

Name of Department	Total No. of request rejected	No. of request rejected Sec-8	No. of requests rejected Sec.-9	No. of requests rejected Sec.-11	No. of requests rejected Sec.-24	No. of requests rejected other sections
(1)	(2)	(3)	(4)	(5)	(6)	(7)
KRWSA - PMU office	0	0	0	0	0	0
KRWSA - RPMU Kannur	0	0	0	0	0	0
KRWSA - RPMU Malappuram	0	0	0	0	0	0
KRWSA - RPMU Idukki	0	0	0	0	0	0
Total	0	0	0	0	0	0

DISPOSAL OF FIRST APPEALS BY DESIGNATED APPELLATE OFFICERS**REPORTING YEAR:2022-23**

Name of Department	No. of 1st appeals pending with appellate officers	No. of 1st appeals preferred during the year	Total No. of 1st appeals with Appellate officer	No. of 1st appeals disposed	No. of 1st appeals rejected	% of 1st appeals rejected	No. of 1st appeals pending for more than 45 days
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
KRWSA - PMU office	0	2	2	2	0	0	0
KRWSA - RPMU Kannur	0	0	0	0	0	0	0
KRWSA - RPMU Malappuram	0	0	0	0	0	0	0
KRWSA - RPMU Idukki	0	0	0	0	0	0	0
Total	0	2	2	2	0	0	0

Form - VI

PENALTIES IMPOSED & COLLECTED**REPORTING YEAR :2022-23**

Name of Department	Details of Penalties imposed by Information Commission under section 20 (1)		Details of penalties collected	
	(1)	(2)	(3)	(4)
KRWSA - PMU office	0	0	0	0
KRWSA -RPMU Kannur	0	0	0	0
KRWSA - RPMU Malappuram	0	0	0	0
KRWSA - RPMU Idukki	0	0	0	0
Total	0	0	0	0

**DISCIPLINARY ACTION TAKEN AGAINST OFFICERS IN RESPECT OF
ADMINISTRATION OF RTI ACT
REPORTING YEAR :2022-23**

Sl. No.	Name of 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 IC)
1	KRWSA - PMU office	Nil	Nil	Nil
2	KRWSA -RPMU Kannur	Nil	Nil	Nil
3	KRWSA - RPMU Malappuram	Nil	Nil	Nil
4	KRWSA - RPMU Idukki	Nil	Nil	Nil

Form -VIII

**SUMMARY COSTS,FEES & CHARGES COLLECTED BY PUBLIC
AUTHORITIES
REPORTING YEAR :2022-23**

Name of Department	Cost collected - section 4	Fee collected* section 6(1)	Fee collected section 7(1)	Fee collected section 7(5)	Other charges collected (specify)	Total collection
KRWSA - PMU office		40	0	0	0	40
KRWSA - RPMU Kannur		15	0	0	0	15
KRWSA - RPMU Malappuram		110	0	285	0	395
KRWSA - RPMU Idukki		100	0	36	0	136
Total		265	0	321	0	586

*Court fee stamp applications are also accepted

CHAPTER – 10

GRIEVANCE REDRESSAL MECHANISM (GRM)

Grievance redressal mechanism is functional at KRWSA with the toll-free number 1800-425-5031. Besides web-based complaint registration, tracking system attached to Jalanidhi website is also operational. (www.jalanidhi.kerala.gov.in)

The grievance redressal mechanism consists of a web-based complaint registration and tracking system and a toll-free telephonic system, accessible to all stakeholders. A total of 221 complaints have been received during the FY 2022-23 and all of them have been resolved. All the complaints received in Chief Ministers Public Grievance Redressal Cell (CMO portal) have also been addressed during the period. Nodal officer and charge officer for handling petitions in CMO portal were also assigned and published in PMU and RPMUs.

Sl. No.	Name of the Grievant	Category	Date of Receipt	Date of Resolution	Status
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

CHAPTER – 11

WATER QUALITY MONITORING AND SURVEILLANCE (WQM&S) OF COMMUNITY MANAGED WATER SUPPLY SCHEME

Inadequate access to sufficient and safe drinking water affects Human health, a basic human right and a component of effective policy for health protection. Drinking water governance improvements may be one way to better drinking water quality. Regular testing of water supplied by Govt. and other institutional agencies is a prerequisite of potable water supply to households and public institutions. To test water samples and surveillance of water sources as well as water at delivery points in homes and alerting people about possible contaminations to prevent water-borne diseases are the most critical steps of WQM&S.

Water quality monitoring is a fundamental tool in the management of safe drinking water supply. Surveillance is regular, specific measurement and observation for the purpose of water quality management and operational activities.

Kerala Rural Water Supply & Sanitation Agency has been making efforts to ensure supply of safe drinking water to the rural masses. Safe drinking water implies that the quality of water supply is taken care of by the beneficiaries to get potable water. The issue of Water Quality Monitoring & Surveillance has been given due emphasis. The monitoring and surveillance results from the habitations are also to be put on the database of KRWSA & Jal Jeevan Mission(JJM) Water Quality Monitoring Information System(WQMIS) and monitored to ensure drinking water security at the household level.

JJM emphasises a particular focus on water quality monitoring and surveillance. Water quality testing is important, for constant monitoring to ensure the portability of drinking water supplied; as a validation process; monitoring the operation of water supply systems; investigation of disease outbreaks; and undertaking preventive measures. Surveillance activities for the purpose of water quality management are undertaken to identify and evaluate factors associated with drinking water which could pose a health risk. It is also both about detecting & preventive risks, so that, remedial action can be taken before public health problems occur and identifying the contaminated water sources to take prompt corrective action. Periodic pre and post monsoon water quality testing, monitoring and surveillance gives assurance that supplied water to every rural household is safe, and water can be consumed directly from a tap instead of using point-of-use treatment systems available in the market.

Field Test Kit used for WQMS gives an indicative result, it helps in ascertaining whether the water supplier is fulfilling the mandated obligations or not. The multi-parameter FTK is used

for examination of physico-chemical contamination as initial screening. The Bacto Vial is used to indicate presence or absence of coliforms in water samples. As a part of the surveillance activity, a sanitary inspection is also undertaken. It is an on-site inspection of a water supply facility to identify actual and potential sources of biological contamination. The physical structure and operation of the system and external environmental factors (such as a toilet location) are evaluated. This information may be used to decide appropriate remedial action to improve or protect the drinking water source and supply system.

Water quality of WSS refers to physical, chemical, biological characteristics of water. The Bureau of Indian Standards (BIS) has specified safe drinking water quality standards (IS 10500:2012). These standards have two limits—'acceptable limits' and 'permissible limits in the absence of an alternate source'. If any parameter exceeds the permissible limit such as chemical parameter, there will be investigation and appropriate, remedial measures are implemented or restrict the continued use of the water supply for drinking purposes until water quality is considered acceptable. It is pertinent that drinking water source(s) will be tested for chemical parameters using FTK once in a year and twice for Bacteriological characteristics using H₂S vial, as prescribed, to ensure that the supplied water meets the prescribed standards. Remedial action must be taken if the parameters tested are outside the prescribed limits. For all piped water supply schemes, new or old, design requirements of water treatment plants/ community water treatment plants should take care of supplying drinking water with quality parameters within the prescribed limits. Drinking water due to contamination from various sources, will have with disease-causing bacteria, viruses, or parasites (collectively called pathogens). Many WSS have shown microbial hazards which continue to be the primary concern. Guidance on ensuring microbial safety of drinking-water, building on principles – such as the multiple-barrier approach and the importance of source protection.

The Field Test Kits (FTKs) for the examination of physio-chemical contamination not only serves the purpose of the initial screening of contamination but also is an effective tool for generating awareness amongst the community to consume safe drinking water. The Kits are for use at grass root level i.e. at Gram Panchayats for indicative chemical and bacteriological testing, however, water quality testing laboratories may also use the same for primary investigation. The kit is used in conjunction with tablet/ reagents and colour charts to test different parameters. The kit is portable, easy to carry, easy to operate and do not require any kind of energy or power. This kit can carry out tests for the parameters listed below: i.) Turbidity by visual comparison method ii.) pH by pH strips colour comparison method iii.) Total Hardness by Titrimetric method iv.) Total Alkalinity by Titrimetric method v.) Chloride by Titrimetric method vi.) Ammonia by visual comparison method (Optional) vii.) Phosphate by visual comparison method (Optional)

viii.) Residual Chlorine by visual colour comparison method ix.) Iron by visual colour comparison method x.) Nitrate by visual colour comparison method xi.) Fluoride by visual colour comparison method xii.) Bacteriological vials (Presence/ Absence) water test kit (H₂S vial test) Regular training programme are conducted on Water Quality Monitoring & Surveillance (WQMS) to selected Kudumbasree workers (entrusted with testing of drinking water samples) of the Panchayath on using Field Testing Kit (FTK). Training to select Kudumbasree volunteers are conducted through the trained resource persons from Kerala Water Authority. These selected Kudumbasree volunteers are registered for using the WQMIS portal for uploading the tested results. The programme is organized by KWA & KRWSA in association with the GP board. The trainees are taught on the basic precautionary measures to be followed while collecting water samples from the drinking water sources and the steps and procedures to test water quality using FTKs. FTKs and bacteriological vials are distributed to the participants. The training is normally attended by about 50 women Kudumbasree members in each Grama Panchayath.

The trained and registered Kudumbashree volunteers thereafter visit the drinking water sources in each HH, economical establishments, religious and academic institutions consuming water for drinking purpose. The source of the drinking water are photographed / geotagged and tested for chemical and bacteriological parameters using the FTK & vial. The results and location of sources are uploaded to WQMIS web site of JJM-(aejaLshakti.gov.in/wqmis).

Based on the testing results, if any parameter exceed the permissible limit for portable drinking water, water quality mitigation measures for small water supply schemes (OW) is proposed such as pressure sand filters, Iron Removal Plants, pipe filters etc. and for Large water Supply Schemes(river based) conventional mitigation WTP are constructed or the existing ones upgraded.

WQM Status for the year 2022-23				
SL NO	DISTRICT	GRAMA PANCHAYATH	No of Sample Tested	No of Samples Uploaded
1	THIRUVANANTHAPURAM	CHIRAYINKEEZH	1000	1000
2		CHERUNNIYOOR	1400	1400
3		VETTOOR	1400	1400
4		KADAKKAVOOR	1000	1000
5		ATHIYANOOR	1700	1700
6		VENGANOOR	2000	2000
7		KOTTUKAL	1900	1900
8		KARUMKULAM	1800	1800

9		KANJIRAMKULAM	1400	1400
10		KIZHUVILAM	1600	1600
11		NAGAROOOR	1400	1400
12		AMBOORI	1000	1000
13		VELLARADA	1800	1800
14		VAMANAPURAM	1200	1200
15		PULIMATH	1600	1600
16		MADAVOOR	300	300
17		OTTOOR	300	300
18		MALAYINKEEZHU	3138	2675
19		MARANALLOOR	3211	2251
20		KATTAKKADA	3600	3420
21		PALLICHAL	2500	2350
22		VILAPPIL	1900	1707
23		VILAVOORKAL	1700	1731
24		EAST KALLADA	3000	3000
25		NEDUVATTOOR	5800	5800
26		EZHUKONE	3200	3193
27		KULAKKADA	5700	5688
28		CHAVARA	2500	2500
29		KALLUVATHUKKAL	2300	2300
30		CHIRAKKAL	1100	1100
31		POOTHAKULAM	1000	1000
32		VELINALLOOR	1200	1200
33		CHATHANOOOR	1100	1100
34		NILAMEL	1300	1300
35	KOLLAM	VELIYAM	1900	1900
36		YEROOR	1400	1400
37		VILAKKUDI	1600	1600
38		MELILA	1200	1200
39		PATTAZHI	1000	1000
40		PATTAZHI VADAKKEKARA	900	900
41		POOYAPPALLI	300	300
42		ELANAD	300	300
43		TRIKOVILVATTAM	300	300
44		NEDUMPANA	300	300
45		KUNDARA	300	300
46		ELAMPALLOOR	300	300
47		CHERUKOLE	900	900
48		ELANTHOOR	1000	1000
49	PATHANAMTHITTA	EZHAMKULAM	1700	1700
50		MALLAPPUZHASSERY	1200	1200
51		NEDUMPURAM	1000	1000

52		KUTTOOR	992	992
53		THOTTAPPUZHASSERY	1000	1000
54		MALLAPPALLY	1000	1000
55		KUNNAMTHANAM	1000	1000
56		NIRANAM	1000	1000
57		PALLICKAL	1100	1100
58	ALAPPUZHA	PULINCUNNU	1300	1300
59		ALA	1000	1000
60		VELIYANAD	900	900
61		MULAKUZHA	1185	1185
62		VAYALAR	1300	1300
63		BUDHANOOR	1400	1400
64		CHEPPAD	1100	1100
65		PANDANAD	1000	1000
66		RAMANKARY	900	900
67		CHETTIKULANGARA	1591	1591
68		NOORANAD	990	990
69		BHARANIKAVU	1183	1183
70	IDUKKI	KODIKULAM	2600	2600
71		VELIYAMATTOM	3000	3000
72	KOTTAYAM	VAKATHANAM	2000	2000
73		CHIRAKADAVU	2000	2000
74		THALANAD	300	300
75		TEEKOORY	300	300
76		POONJAR	300	300
77		POONJAR THEKKEKARA	300	300
78		PUTHUPALLY	2000	2000
79	THRISSUR	NATTIKA	300	0
80		ARIMPUR	300	250
81		ANTHIKKAD	281	0
82		THANNIYAM	213	0
83		MANALLOOR	240	0
84		THALIKKULAM	241	0
85		ENGANDIYOOR	300	0
86	PALAKKAD	PARALI	4911	4320
87		KOPAM	300	0
88		ONGALLUR	300	0
89		KULUKKALLUR	245	0
90		VADAKKANCHERRY	1693	0
91		KIZHAKKANCHERRY	1309	0
92		VILAYUR	2437	1303
93		MATHUR	100	0
94		MUTHALAMADA	100	0

95		NELLIYAMPATHI	160	0
96		NAGALASSERRY	250	200
97		THIRUMUTTAKODE	265	200
98		ALATHUR	950	855
99		KANJIRAPPUZHA	850	300
100		KODUMBU	625	0
101		THACHANATTUKARA	950	299
102		THACHANPARA	750	0
103		THENKARA	950	0
104		PULIKKAL	3250	2261
105		URANGATTERI	300	0
106		EDAVANNA	300	0
107		VAZHAYUR	2484	2291
108		KOOTILANGADI	1223	1223
109		CHERUKAVU	1392	0
110		MORAYUR	1343	487
111		CHELEMBRA	4725	796
112	MALAPPURAM	VALLIKUNNU	11316	8118
113		MANGALAM	5639	810
114		THALAKKAD	1295	0
115		TRIPRANGODE	3500	0
116		VELIYAMCODE	521	0
117		VAZHIKADAVU	3847	3847
118		KURUVA	1149	301
119		MUNNIYUR	8630	0
120		ALIPARAMBU	0	0
121		KOORACHUNDU	1538	1447
122	KOZHICODE	NADAPURAM	9423	3594
123		CHERUVANNUR	1380	838
124		ARALAM	3500	3500
125		PAYAM	3600	3600
126		AYYAMKUNNU	3200	3200
127		MUZHAKUNNU	2500	2500
128		ULIKKAL	4700	4700
129		THILLANKERI	2700	2700
130		NARATH	3500	3500
131	KANNUR	MAYYIL	3600	3600
132		KOODALI	3700	3700
133		MUNDERI	3200	3200
134		ERUVESY	1600	1600
135		NADUVIL	3800	3800
136		KOTTIYOOR	2700	2700
137		KELAKAM	1400	1400
138		PERAVOOR	2000	2000

139		KOLAYAD	1900	1900
140		CHITTARIPARAMBU	2100	2100
141		KANICHAR	1000	1000
142		KURUMATHOOR	4800	4800
143		AZHIKODE	4600	4600
144		PATTUVAM	1300	1300
145		EZHOME	2400	2400
146		MATTOOL	1000	1000
147		MADAYI	3400	3400
148		PERALASSERY	2900	2900
149	KASARAGOD	MULIYAR	3000	3000
TOTAL			271765	221296

CHAPTER- 12

JALANIDHI SUCCESS STORIES

Success stories on Grey Water Management in Marayoor Grama Panchayath, Idukki District

Grey water management initiatives play a crucial role in alleviating pressure on freshwater supplies and enhancing water availability for non-potable domestic uses. Through the implementation of appropriate policies, these activities can be expanded to effectively address water stress in rural Kerala. The Kerala Rural Water Supply and Sanitation Agency (KRWSA) is actively developing an action plan for Grey water Management, incorporating diverse policy frameworks and technologies tailored for rural areas. The successful implementation of these strategies will significantly contribute to the transformation of this sector, augmenting additional water resources.

In many rural areas of the state, untreated grey water from households often accumulates in open spaces or flows into water bodies due to the high density of habitats, creating an environment conducive to the breeding of diseases and pathogens. While grey water is less harmful than black water contaminated with fecal matter, it still contains potentially hazardous chemical and biological particles. Moreover, untreated grey water represents a wasted resource that could have eased acute water stress in various parts of the state. Harnessing grey water through scientifically sound techniques presents an opportunity for a valuable resource in non-potable applications, provided it is treated with care.

KRWSA has initiated a program to provide technical support to Gram Panchayats (GPs) for establishing Grey water treatment and management systems in Tribal hostels, residential schools, and colonies. The objective is to treat grey water using physical and biological methods, employing cost-effective and less sophisticated technologies acceptable to the beneficiaries.

Collaborating with Grama Panchayats, KRWSA identifies specific areas or "Hotspots" for intervention. In the fiscal year 2022-2023, KRWSA's Idukki Regional Unit identified Kanthalloor and Marayur Grama Panchayats for the pilot implementation. While the identified site in Kanthalloor Grama Panchayat was deemed unfeasible due to land availability issues, Marayoor Grama Panchayat, particularly the Babu Nagar colony, became a focus area. Initially planning a comprehensive grey water management system with a sewage treatment plant for all households, the high cost prompted a shift to an individual household level approach under the Swachh Bharat Gramin program, using the "Magic Pit" technology.

Despite initial challenges and drainage issues in the colony, the proposal was discussed and approved by the Local Government, Marayoor Grama Panchayat. The construction of Magic Pits for around sixty households commenced in November 2023, concluding within the month. Extensive awareness programs and hands-on training were conducted, resulting in a positive response from the households. Residents are now content with the technical aspects and construction quality, addressing their grey water issues effectively. Marayoor Grama Panchayat is now expressing the need for more systems in vulnerable areas and proposing the scaling up of the program.



Solar Based Water Control System.

KRWSA on a pilot basis developed and installed Solar Based Water Pumping Control System under the Research and Development Component of Jalanidhi State Plan. Jalanidhi water supply schemes are generally located at rural remote areas. The distance between the pumping station and service reservoirs are always more than one kilo meter. Manual control of water level in the reservoir with pumping time is not practical. There is huge water loss due to overflow in service reservoirs which leads to excess use of energy resulting increase in Operations and Maintenance Cost. Few of the user communities are at present using robotic pump operating system, but due to the high cost of large cable length and there are chances of the causing damages in long cable, majority of the user groups are not adopting the system. Under this circumstance, KRWSA under R & D component discussed with start ups to develop and appropriate technology for modernisation of water pumping control. The startup firms has expressed their interest in associating with KRWSA for supporting the user groups in simpler and cost effective operating technologies. Hence, one of the startup agency has developed a sensor based operation mechanism for small schemes for saving the cost of operator charges and water loss due to over flow there by reducing the energy consumption.

This is a Low Power, Wide Area networking protocol designed to wirelessly connect battery operated 'things' to the internet, to connect sensors, gateways, machines, devices etc. wirelessly to the cloud, based water level control using solar power and automated pump

operating system.

The suggestion was to install four each units in remote community based water supply scheme areas in the jurisdiction under each of the Regional Project Management Units. Our Kannur Regional office has piloted this system in each of the Community based water supply schemes in all four district under their control. They have installed one system in Adhur Water Supply Scheme in Delampadi Grama Panchayat in Kasargode District serving water to 530 households, Chemmannu Water Supply Scheme in Udayagiri Grama Panchayat in Kannur District serving water to 28 households, Muzhvannur Water Supply scheme in Vellamunda Grama Panchayat in Wayanadu District serving water to 750 households and Dahasamini Water Supply Scheme in Puthupadi Grama Panchayat in Kozhikode District serving water to 76 households. The system is functioning well and beneficiary communities are satisfied with remote system. This has helped the user group to get water 24 X 7 and also ensure distribution in high terrains. Solar based pump on and off automatically when the water in reservoir level falls down fixed limit.



User community is benefited on operational cost and also time for going to remote location to operate the motor. This has ensured 24 x7 Water supply in every households. They are now satisfied as the system is running in solar power and they cannot scared again for the electricity failure caused intermittently.

Solar based pumping and water control system may be replicated and scaled up to other schemes to give the user communities a low cost water tariff.

KRWSA Successfully Implements Solar-Based On-Grid Pumping System in Rural Water Supply Schemes in Tribal Grama Panchayats

The Kerala Rural Water Supply and Sanitation Agency (KRWSA) have achieved a milestone by implementing a solar-based pumping system in community-managed water supply schemes. This innovative system has been successfully piloted in the tribal areas of Noolpuzha

Grama Panchayat in Wayanad District, specifically in the Alathur and Rampilly regions, both inhabited by tribal communities.

Alathur Rural Water Supply Scheme, serving 88 households, and Rampilly Water Supply Scheme, catering to 16 households, were originally dependent on electricity for pumping water. However, due to the tribal nature of the population, they often faced challenges in paying the high electricity charges, resulting in defaults and subsequent power disconnections by the authorities. The exorbitant electricity costs were identified as a significant factor contributing to the failure of water supply schemes in tribal areas.

In response to this challenge, the Regional Project Management Unit in Kannur proposed an experimental initiative to introduce a solar-based pumping system in the most challenging areas, including Alathur and Rampilly. Collaborative discussions were held with officials from the Kerala State Electricity Board (KSEB) and the Agency for Non-Conventional Energy and Rural Technology (ANERT) to facilitate the installation of the solar-based pumping system. ANERT provided crucial technical support, and the solar-based pumping systems were successfully installed in both the Alathur and Rampilly Water Supply Schemes.

The solar power generated by these systems is supplied to the Kerala State Electricity Board, resulting in a significant reduction in electricity bills. The installation cost of the solar-based on-grid pumping system was a mere 6.69 Lakhs. The following table outlines the tangible benefits experienced by the community after the implementation of the solar-based pumping system:

Name of the Water Supply Schemes	Number of Households Benefited	Pump Installed (in HP)	Electricity Bill Amount Before (Rs)	Electricity Bill Amount After (Rs)	Savings on Energy Charges (Rs)
Alathur Rural Water Supply Scheme	88	5	3500	1200	2300
Rampilly Rural Water Supply Scheme	16	1.5	450	150	300

Benefits of the Installation of Solar-Based On-Grid Pumping System:

1. Reduced energy charges, ensuring the sustainability of the community water supply scheme in the long term.
2. Drastically lowered operation and management costs for community-based water supply schemes.
3. Utilization of solar energy from public building rooftops can further reduce the energy charges for the Rural Water Supply Schemes in the Grama Panchayat.

S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

1/851 BM1, HARSHAM, PADAMUGAL, KAKKANAD, ERNAKULAM – 682 030.

Telephones: (91) 9072972907 / 87142 98479

Website: www.sraco.in E-mail: info.ekm@sraco.in

INDEPENDENT AUDITORS' REPORT

To

M/s Kerala Rural Water Supply and Sanitation Agency,

Thiruvananthapuram

1. Report on the Financial Statements

We have audited the financial statements of M/s. Kerala Rural Water Supply and Sanitation Agency, Thiruvananthapuram which comprise of the Balance Sheet as at March 31st, 2023 and the Statement of Income and Expenditure for the year ended, and a summary of significant accounting policies and other explanatory information.

2. Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the organization. This responsibility includes the design, implementation and maintenance of internal controls relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We have conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the organization's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

4. Basis for Qualified Opinion

- i. Outstanding liability of Rs.1,74,756/- as on 01-04-2022 under the head "Salary Deduction – Others" of RPMU Idukki have to be reconciled.
- ii. For EPF, PF, TDS & TDS on GST opening balance have to be reconciled.
- iii. The Project follows cash system of accounting in principle. However, based on our verification of the books of accounts of RPMU and PMU provisions were made for certain expenses.
- iv. Certain staff advances have not received back for settlement even after one year.
- v. Other matters which may have an impact on the financial statements are as specified in Annexure - I to the Audit Report.



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

5. Qualified Opinion

In our opinion and to the best of our information and according to the explanations given to us, except for the possible effect of the matters described in the basis for qualified opinion paragraph, the financial statements give the information required in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- i. in the case of the Balance Sheet, of the state of affairs of the Kerala Rural Water Supply and Sanitation Agency as at 31st March, 2023, and
- ii. in the case of the Statement of Income and Expenditure of the Incomes and Expenditures for the year ended on that date.

6. Report on other legal and regulatory requirements

- i. We have obtained all the information and explanations which, to the best of our knowledge and belief, were necessary for the purpose of our audit;
- ii. In our opinion, proper books of account as required by law have been kept by the Institution so far as appears from our examination of the said books;
- iii. The Balance sheet and the statement of Income and Expenditure dealt with by this report are in agreement with the books of account;

Ernakulam

28th November, 2023.

For S. RAMANAND AIYAR & Co.
Chartered Accountants
FAN: 000990N

Shaban Kuncheria
Shaban Kuncheria B.Sc., F.C.A.
(Partner)
M.No: 214197



UDIN : 23214197BGUGWF2712

S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

Annexure - I to our Audit Report dated 28th November 2023 as specified in para-4 – Basis for Qualified Opinion

1) PMU

TDS not deducted on provision created on Audit Fees.

2) Regional Project Management Unit, Malappuram

The following statutory dues and payables carried forward from previous year continue to remain outstanding as on the date of Balance Sheet. As per the communication from the RPMU, the opening value of the following accounts were due to the negligence from the part of the Accountant, Mr.Praveen Kumar.

KCWWF Contribution	475027.00 Cr
Retention Amount	343562.00 Cr
Salary Deductions - LIC	13970.00 Dr
Salary Deductions - Others	676559.00 Dr
Salary Deductions – PF	220060.00 Dr
Salary Payable	88000.00 Dr
TDS - Against Consultancy	1044223.00 Cr
TDS - Against Contract	69281.00 Cr
TDS - Against Rent	14720.00 Dr
TDS - Against Salary	344091.00 Dr
VAT	1531581.00 Cr
Advance to Staff – Praveenkumar	39618.00 Dr
Advance to Others – Malappuram	38513.00 Dr
Adjusting Account	76256971.00 Dr
Elavally GP	Difference with RPMU Rs. 70,500
Elavanchery GP	Difference with RPMU Rs. 5,45,000
Puthanchira GP	Difference with RPMU Rs. 42,000
Thamarassery GP	Difference with RPMU Rs. 2,57,155
Annamanada GP	Difference with RPMU Rs. 90
Karuvarakundu GP	Difference with RPMU Rs. 98,304



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

3) Opening difference is in fund transfer

Opening difference is in fund transfer for Rs.1,57,00,000/- between PMU & RPMU. As per the information received, difference is due to the change in software FMIS (old) to Tally and entries of fund transfer from PMU to RPMUs are not entered in PMU Tally for the financial year 2012-13, but no document received in this regard.

NOTES FORMING PART OF THE FINANCIAL STATEMENTS AS ON 31-03-2023

1. Project Information

The Government of Kerala established Kerala Rural Water Supply and Sanitation Agency (KRWSA) under the Societies Act. The project integrates Water Supply with Sanitation, Health & Hygiene Promotion, Environmental Management and Ground Water Recharge activities.

2. Significant Accounting Policies

A. Basis of Accounting

- i. The entity has been following Cash based accounting system.
- ii. Out of Grant from Government of Kerala, an amount equivalent to the cost of fixed assets has been treated as Capital Grant and balance is treated as Revenue Grant. The Revenue Grant from Government of Kerala – Jalanidhi Phase-II of Rs.2,82,11,684/- is matching figure to cover the various expenses incurred, after considered all other incomes.



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

B. Fund Flow

Kerala Rural Water Supply and Sanitation Agency (KRWSA) receives funds from Government of Kerala through State Plan Budget. This State Budget is released to KRWSA, Kerala Rural Water Supply and Sanitation Agency's (PMU) Treasury Account by following Governments system of release of funds. As per requirement, funds are transferred from the PSTSB Account of PMU with District Treasury, Thiruvananthapuram to the PSTSB Accounts of RPMUs with District/ Sub Treasury concerned through Integrated Financial Management System (IFMS).

C. Treatment of expenditure during project period

Project Management Unit (PMU) and Regional Project Management Units (RPMUs) incur revenue expenses, make payments for consultancies entrusted by them, purchase of goods etc. as per rules from their bank account.

D. Tangible Assets (Property, Plant and Equipment)

The Property, Plant and Equipment are accounted on historical cost basis, which includes purchase price, and all other costs attributable to bring the assets into its working condition as reduced by accumulated depreciation up to the end of the financial year. Fixed Assets schedule includes assets in respect of Jalanidhi Phase-I & II.



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

E. Depreciation

- i) Depreciation has been charged on the 'Written Down Value Method' on the block of assets as per the provisions of Section 32 of Income Tax Act, 1961.
- ii) An amount equivalent to the depreciation on fixed assets acquired out of Government Grant is transferred to Income & Expenditure Account from Capital Grant as prescribed in the Accounting Standard 12 "Accounting for Government Grant" issued by The Institute of Chartered Accountants of India.

F. Recovery from staff on account of embezzlement

Based on the final report on verification of accounts of Malappuram for the period from 22-12-2011 to 31-10-2016, reported misappropriation of fund, conducted by Finance Division of KRWSA, an amount of Rs.7,53,75,187/- is to be recovered from Mr. Praveen Kumar of Malappuram RPMU on account of misappropriation of funds.

G. Other Recovery

Details of Other Recoveries from Staff disclosed in the Balance Sheet are as follows

Nature	Unit	Amount
Income Tax Penalty	Malappuram RPMU	5,32,020.00
EPF – Interest and Penal Charges	PMU	42,328.00
TDS Arrears	Malappuram RPMU	3,49,764.00



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

H. Provisions and Contingencies

The agency has created provision for Statutory Audit Fees at PMU level and created provision for certain expenses at RPMU level.

I. Consolidation

Based on the certificate received from authorities of KRWSA, financial statement is consolidated by PMU and RPMU for this year. Payments to Grama Panchayaths have been treated as Expenditure.

Jalanidhi Phase I & II balances has been consolidated and shown as a single figure in the Balance Sheet.

J. Provision for Gratuity

No provision for Gratuity has been made.

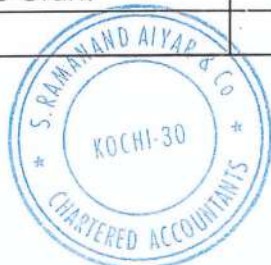
K. Regrouping of opening balances

Opening balances of the financial is regrouped and rearranged wherever necessary.

3. Grant (Capital & Revenue)

A. Capital Grant

Particulars	Capital Grant	
	As on 31/03/2023	As on 31/03/2022
Opening Balance	46,97,734	53,07,004
Add: Used for acquisition of capital assets during the year	65,884	2,35,342
Less: Transfer to Income & Expenditure Account	6,56,375	8,36,112
Less: Assets sold/ transfer to Revenue Grant	0	8,500
Total	41,07,243	46,97,734



S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

B. Unutilised Revenue Grant

Particulars	Opening Balance	Fund Received	Utilised during the year	Balance at the end of the year
CCDU - Govt. Grant	35876486	0	0	35876486
IEC, Capacity Building and Training & Jalasree Club	0	562898	337898	225000
Conversion of Homestead Wells Into Protected and Sustainable Drinking Water Sources	0	3530902	2532087	998815
Scaling Up of Rain Water Harvesting and GWR Measures Through KRWSA	8242020	56774584	58616643	6399961
Jalanidhi (Phase I & II)	184455677	12492525	28211684	168736518
Fund From State Disaster Relief Fund	27535741	0	16919001	10616740
Sustainability Support to Community managed Water Supply Scheme	3760514	190966723	193041057	1686180

Ernakulam

28th November, 2023.

For S.RAMANAND AIYAR & Co.
Chartered Accountants
ERN: 000990N

Shaban Kuncheria
Shaban Kuncheria B.Sc.,F.C.A
(Partner)
M.No: 214197



UDIN : 23214197BGUGWF2712

S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

S. Ramanand Aiyar & Co.

CHARTERED ACCOUNTANTS

1/851 BMI, HARSHAM, PADAMUGAL, KAKKANAD, ERNAKULAM – 682 030.

Telephones: (91) 9072972907 / 87142 98479

Website: www.sraco.in E-mail: info.ekm@sraco.in

RECOMMENDATIONS FOR IMPROVEMENT OF THE SYSTEM


1. Official web mail ids should be created in Jalanidhi for the staff.
2. After the payment of GST from Head office for Regional office, credit notes have to give from HO, open a separate HO a/c (not in fund transfer A/c) & account in RPMU/PMU.
3. Fixed Asset has to be physically verified on periodical basis.
4. Accounts have to develop in GP level for sustainability.
5. Manual Bank registers are not maintained for PMU SBI Online Account – Santhinagar and PMU Union Bank of India, Trivandrum Main Branch.

Ernakulam

28th November, 2023.

For S.RAMANAND AIYAR & Co.
Chartered Accountants

FRN: 000990N


Shaban Kuncheria B.Sc., F.C.A.
(Partner)
M.No: 214197

UDIN : 23214197BGUGWF2712



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
PTC TOWER, S.S KOVIL ROAD, THAMPANOOR, THIRUVANANTHAPURAM.
BALANCE SHEET AS AT 31-03-2023

PREVIOUS YEAR	LIABILITIES	SCH NO	As on 31.03.2023	PREVIOUS YEAR	ASSETS	SCH NO	As on 31.03.2023
	CAPITAL GRANT				FIXED ASSETS		
53,07,004	Opening Balance of Capital Grant used for acquisition of Capital Assets		46,97,734	5,25,23,744	Gross Value		5,25,89,628
2,35,342	Add: Capital Grant used for acquisition of Capital Assets during the Year		65,884	4,78,26,010	Less: Accumulated depreciation		4,84,82,385
55,42,346			47,63,618	46,97,734		XIII	41,07,243
8,36,112	Less: Amount transferred to income and Expenditure Account		6,56,375		CURRENT ASSETS, LOANS AND ADVANCES		
47,06,234			41,07,243		A. CURRENT ASSETS		
	being the depreciation on Fixed Assets acquired out of Capital Grant			24,527	Cash in Hand	I	17,960
8,500	Less: Assets sold/ trf to revenue grant			12,44,96,624	Cash at Bank	II	18,10,95,484
46,97,734			41,07,243	3,30,054	Deposits	III	4,21,630
							18,15,35,074
	UNUTILISED GRANT(REVENUE)			12,48,51,205	B. LOANS AND ADVANCES		
3,58,76,486	CCDU - Govt. Grant		3,58,76,486				
	IFC, Capacity Building and Training & Jalasree Club						
	Fund received during the year		5,62,898				
	Less: Utilised during the year		3,37,898				
			2,25,000.00				
	Conversion of Homestead Wells Into Protected and Sustainable Drinking Water Sources						
	Fund received during the year		35,30,902				
	Less: Utilised during the year		25,32,087				
			9,98,815.00				
	Scaling Up of Rain Water Harvesting and GWR Measures Through KRWSA						
82,42,020	Opening Balance		82,42,020				
	Add: Funds received during the year		5,67,74,584				
	Less: Utilised during the year		5,86,16,643				
82,42,020			63,99,961.00				
26,48,61,451	Jalanidhi (Phase I & II)				Advances to KWA		
7,96,54,537	Opening Balance		18,44,55,677	9,03,47,430	Opening Balance		10,46,94,860
	Add: Funds received during the year		1,24,92,525	1,43,47,430	Add: Paid and Adjusted during the year		23,27,150
	Less: Amount utilised by GPS				Less: Utilised during the year		
16,00,60,311	Less: Utilised during the year		2,82,11,684	10,46,94,860			10,70,22,010
18,44,55,677			16,87,36,518				



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
PTC TOWER, S.S KOVIL ROAD, THAMPANOOR, THIRUVANANTHAPURAM.
BALANCE SHEET AS AT 31-03-2023

Amount in Rs

PREVIOUS YEAR	LIABILITIES	SCH NO	As on 31.03.2023	PREVIOUS YEAR	ASSETS	SCH NO	As on 31.03.2023
				20,52,009	Opening Advance to KWA- Electricity arrear advance		20,52,009
4,67,80,778	Fund From State Disaster Relief Fund				Add: Paid during the year		
	Opening Balance		2,75,35,741		Less: Utilised during the year		
1,92,45,037	Funds received during the year			20,52,009			20,52,009
2,75,35,741	Less: Utilised during the year		1,69,19,801				
			1,06,16,740				
	Sustainability Support to Community managed Water Supply Scheme			7,53,75,187	Other current Assets - Malappuram Embezzlement		7,53,75,187
5,01,52,783	Opening Balance		37,60,514	5,32,020	Other current Assets - Income Tax Penalty - Malappuram		5,32,020
10,08,17,577	Funds received during the year		19,09,66,723	3,49,764	Other current Assets - Arrear TDS - Malappuram		3,49,764
14,72,09,846	Less: Utilised during the year		19,30,41,057	42,328	Other current Assets - Income tax Penalty - PMU		42,328
37,60,514					Advance to CED Suchitwa mission and SEUF Suchitwa mission		10,62,000
	CURRENT LIABILITIES AND PROVISIONS				Advance to GP LAC	IV	1,48,190
	CURRENT LIABILITES				Staff Advance	V	2,04,337
3,53,32,911	Retention Money	VI	4,25,09,915	2,29,990	Other Advances		
1,45,94,309	Sundry Creditors		10,16,77,262	2,04,337			
4,99,27,220			14,41,87,177	7,77,95,626			7,77,13,826
	JJM - Advance from KWA			4,03,958	Social Justice Department - Rain Centre		4,03,958
57,53,405	Opening Balance						
1,34,79,701	Funds received during the year	VII					
1,92,33,106	Less: Utilised during the year						
31,44,95,392			37,28,34,121	31,44,95,392			37,28,34,121



For S. RAMANAND AIYAR & Co.
Chartered Accountants
FRN: 000990N
S. Ramana
Shaban Kuncheria B.Sc., F.C.A
(Partner)
M. No: 214197

UDIN 23214197BGUGWF2712

Place Trivandrum
Date: 28/11/2023

[Signature]
Director (Finance & Admn)
KRWSSA

[Signature]
Executive Director
KRWSSA Director
Kerala Rural Water Supply &
Sanitation Agency
Govt. of Kerala
Trivandrum-695 001

AUDITORS' REPORT
Vide our report of even date

KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
 PTC TOWER, S.S KOVIL ROAD, THAMPANOOR, THIRUVANANTHAPURAM.
 STATEMENT OF INCOME AND EXPENDITURE FOR THE PERIOD FROM 01/04/2022 TO 31/03/2023

PREVIOUS YEAR	EXPENSES	SCH NO	AMOUNT	PREVIOUS YEAR	INCOME	SCH NO	AMOUNT	CURRENT YEAR
					GRANTS			
	I&C, Capacity Building and Training & Jalasree Club	IX	3,37,898		For IEC, Capacity Building and Training & Jalasree Club			3,37,898
	Conversion of Homestead Wells Into Protected and Sustainable Drinking Water Sources	X	25,32,087		For Conversion of Homestead Wells Into Protected and Sustainable Drinking Water Sources			25,32,087
	Scaling Up of Rain Water Harvesting and GWR Measures Through KRWSA	XI	5,86,16,643		For Scaling Up of Rain Water Harvesting and GWR Measures Through KRWSA			5,86,16,643
14,72,09,846	Sustainability Support to Community Managed Water Supply Scheme	XII	19,30,41,057	14,72,09,846	For Sustainability Support to Community Managed Water Supply Scheme			19,30,41,057
16,06,55,508	Completion of Water Supply Schemes under the World Bank Aided -Jalanidhi II-Project	VIII(b)	3,33,86,947	15,98,33,469	For Completion of Water Supply Schemes under the World Bank Aided -Jalanidhi II-Project		2,82,11,684	
8,36,112	Depreciation	XIII	6,56,375	8,36,112	Less: Fixed Asset Purchased		65,884.00	
15,12,800	Common Infrastructure KWA				Add: Fixed Assets Sold during the year		0	2,81,45,800
				23,34,839	Interest & Other Non Project Income	VIII(a)		52,41,147
					Amount Transferred from capital grant			6,56,375
31,02,14,266			28,85,71,006	31,02,14,266				28,85,71,006

Place: Trivandrum

Date: 28/11/2023

Director (Finance & Admn)

KRWSSA

Executive Director

KRWSSA
 Executive Director
 Kerala Rural Water Supply &
 Sanitation Agency
 Govt. of Kerala
 Trivandrum-695 001

UDIN : 23214197BGUGWF2712

For S. RAMANAND AIYAR & Co.
 Chartered Accountants

FRN: 000990N

Shaban Kuncheria B. Sc., F.C.A.
 (Partner)
 M.No: 214197



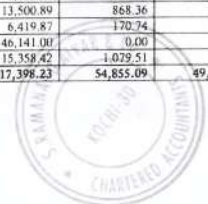
KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
III FLOOR, PTC TOWERS, SS KOVIL ROAD, THAMPANOOR, THIRUVANANTHAPURAM

DEPRECIATION STATEMENT FOR THE PERIOD ENDED 31-03-2023

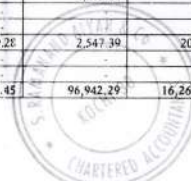
Schedule-XIII

Amount in Rupees

Particulars Description of Assets	Cost as on 01-04-2022	Cost		Sale or Transfer	TOTAL	Rate (%)	Upto 01-04-2022	Depreciation For the period from		Written Down Value		
		Additions during the year						On Assets sold	Existing / New Assets	Upto 31-03-2023	WDV as at 31-3-2022	WDV as at 31-03-2023
		More than 180 days	Less than 180 days									
PMU												
Air conditioner / Refrigeration	5,63,147.00				5,63,147.00	15.00	4,51,671.33		16,721.35	4,68,392.68	1,11,475.67	94,754.32
Refrigerator						15.00						
Books	42,436.65				42,436.65	100.00	42,436.65			42,436.65		
Communication Equipment	5,98,406.00				5,98,406.00	15.00	5,50,254.68		7,222.70	5,57,477.38	48,151.32	40,928.62
Computer	2,54,58,384.30				2,54,58,384.30	60.00	2,53,29,396.94		77,392.42	2,54,06,789.36	1,28,987.36	51,594.94
Electrical Fittings	1,93,502.00				1,93,502.00	10.00	1,68,701.62		2,480.04	1,71,181.66	24,800.38	22,320.34
Furniture & Fixtures	40,09,948.00				40,09,948.00	10.00	30,40,286.38		96,966.16	31,37,252.54	9,69,661.62	8,72,695.46
Miscellaneous Assets	2,16,202.00		13,334.00		2,29,536.00	15.00	2,03,845.58		2,853.51	2,06,699.09	12,356.42	22,836.91
Photocopier	16,02,277.00				16,02,277.00	15.00	14,52,336.86		22,488.52	14,74,820.38	1,49,890.14	1,27,406.62
Projector-LCD& Overhead	10,25,114.00				10,25,114.00	15.00	9,25,857.77		14,888.43	9,40,746.20	99,256.23	84,367.80
Technical Equipments	8,58,887.00				8,58,887.00	15.00	8,11,248.69		7,145.75	8,18,394.44	47,638.31	40,492.56
Typewriter	10,672.00				10,672.00	15.00	10,532.18		20.97	10,553.15	139.82	118.85
Vehicle Motor car	33,54,395.00				33,54,395.00	15.00	28,60,209.28		74,127.86	29,34,337.14	4,94,185.72	4,20,057.86
UPS	9,53,607.00				9,53,607.00	15.00	8,15,645.66		20,694.20	8,36,339.86	1,37,961.34	1,17,267.14
Modem	64,476.00				64,476.00	15.00	62,973.27		217.91	63,191.18	1,452.73	1,234.82
Printer & Scanner	7,28,061.00				7,28,061.00	15.00	4,70,050.59		38,701.56	5,08,752.15	2,58,010.41	2,19,308.85
Media Equipments	2,24,646.00				2,24,646.00	15.00	1,65,954.60		8,803.71	1,74,758.31	58,691.40	49,887.69
GIS Software	17,60,400.00				17,60,400.00	60.00	17,59,592.41		484.55	17,60,076.96	807.59	323.04
Handheld GPS	3,82,465.00				3,82,465.00	15.00	2,96,885.27		12,836.96	3,09,722.23	85,579.73	72,742.77
(A)	4,20,46,925.95		13,334.00		4,20,60,259.95	450.00	3,94,17,879.76		4,04,041.60	3,98,21,921.36	26,29,046.19	22,38,338.59
DPMU-Calicut												
Furniture & Fixtures	5,88,400.00				5,88,400.00	10.00	5,19,031.79		6,936.82	5,25,968.61	69,368.21	62,431.39
Typewriter	11,092.00				11,092.00	15.00	10,946.68		21.80	10,968.48	145.32	123.52
UPS	14,500.00				14,500.00	15.00	14,006.02		74.10	14,080.12	493.98	419.88
Communication Equipment	11,645.00				11,645.00	15.00	10,966.04		101.84	11,067.88	678.96	577.12
Electrical Fittings						10.00						
Comp.Serv UPS&Equip	1,10,734.00				1,10,734.00	60.00	1,10,734.00			1,10,734.00	(0.00)	(0.00)
Modem	3,320.00				3,320.00	15.00	3,193.00		19.05	3,212.05	127.00	107.95
Books	23,209.00				23,209.00	100.00	23,209.00			23,209.00		
Miscellaneous Assets	10,970.00				10,970.00	15.00	10,595.96		56.11	10,652.07	374.04	317.93
Technical Equipments	9,207.00				9,207.00	15.00	8,861.88		51.77	8,913.65	345.12	293.35
Scanner	3,803.00				3,803.00	15.00	3,645.47		23.63	3,669.10	157.53	133.90
(B)	7,86,880.00				7,86,880.00	285.00	7,15,189.84		7,285.12	7,22,474.96	71,690.16	64,405.04
DPMU-Thrissur												
Furniture & Fixtures	4,00,232.00				4,00,232.00	10.00	3,51,213.72		4,901.63	3,56,115.55	49,018.28	44,116.45
UPS	72,500.00				72,500.00	15.00	70,022.32		371.65	70,393.97	2,477.68	2,106.03
Books	846.00				846.00	100.00	846.00			846.00		
Electrical Fittings	9,739.00				9,739.00	10.00	8,498.49		124.05	8,622.54	1,240.51	1,116.46
Technical Equipments	14,239.00				14,239.00	15.00	13,370.64		130.25	13,500.89	868.36	728.11
Miscellaneous Assets	6,565.00				6,565.00	15.00	6,394.26		25.61	6,419.87	170.74	145.13
Computer Access	46,141.00				46,141.00	60.00	46,141.00			46,141.00	0.00	0.00
Communication (Tele & fax)	16,276.00				16,276.00	15.00	15,196.49		161.93	15,358.42	1,029.51	917.58
(C)	5,66,538.00				5,66,538.00	240.00	5,11,682.91		5,715.32	5,17,398.23	54,855.09	49,139.77



Particulars	Cost					Depreciation				Written Down Value	
	Cost as on 01-04-2022	Additions during the year		Sale or Transfer	TOTAL	Rate (%)	For the period from		Upto 31-03-2023	WDV as at 31-3-2022	WDV as at 31-03-2023
		More than 180 days	Less than 180 days				On Assets sold	Existing / New Assets			
DPMU-Malappuram											
Communication(Tele- Fax)	69,481.00				69,481.00	15.00	57,391.07	1,813.49	59,204.56	12,089.93	10,276.44
Computer Server	11,96,985.00				11,96,985.00	60.00	11,93,364.30	2,172.42	11,95,536.72	3,620.70	1,448.28
Electrical Fittings	48,956.00				48,956.00	10.00	39,491.11	976.49	40,617.60	9,264.89	8,338.40
Books	6,210.00				6,210.00	100.00	6,210.00	-	6,210.00	-	-
Furniture & Fixtures	15,03,241.00				15,03,241.00	10.00	9,30,329.64	57,291.14	9,87,620.78	5,72,911.36	5,15,620.22
Miscellaneous Assets	26,425.00				26,425.00	15.00	25,362.33	159.40	25,521.73	1,062.67	903.27
Photocopier	1,29,828.00				1,29,828.00	15.00	1,19,242.30	1,587.86	1,20,830.16	10,585.70	8,997.84
Technical Equipments	10,579.00				10,579.00	15.00	10,016.33	84.40	10,100.73	562.67	478.27
UPS	3,30,755.00	52,550.00			3,83,305.00	15.00	2,61,385.32	18,287.95	2,79,673.27	69,369.68	1,03,631.73
Airconditioner & Refrigerator	61,185.00				61,185.00	15.00	54,043.39	1,071.24	55,114.63	7,141.61	6,070.37
Modem	30,910.00				30,910.00	15.00	20,863.22	1,507.02	22,370.24	10,046.78	8,539.76
Printer & Scanner	2,00,100.00				2,00,100.00	15.00	1,33,139.88	10,044.07	1,43,183.90	66,960.12	56,916.10
Projector LCD	19,634.00				19,634.00	15.00	18,908.78	108.78	19,017.56	725.22	616.44
Scanner	63,650.00				63,650.00	15.00	43,689.99	2,994.00	46,683.99	19,960.01	16,966.01
(D)	36,97,939.00	52,550.00			37,50,489.00	330.00	29,13,637.66	98,048.21	30,11,685.87	7,84,301.34	7,38,803.13
DPMU-Palakkad											
Books	1,149.00				1,149.00	100.00	1,149.00	-	1,149.00	-	-
Electrical Fittings	28,718.00				28,718.00	10.00	25,351.21	336.68	25,687.89	3,366.79	3,030.11
Furniture & Fixtures	4,21,071.00				4,21,071.00	10.00	3,65,565.61	5,550.54	3,71,116.15	55,505.39	49,954.85
Miscellaneous Assets	33,169.00				33,169.00	15.00	31,811.01	203.70	32,014.71	1,357.99	1,154.29
Photocopier	86,268.00				86,268.00	15.00	83,971.02	344.55	84,315.57	2,296.98	1,952.43
UPS	4,950.00				4,950.00	15.00	4,818.22	15.77	4,837.99	131.78	112.01
Communication Equipment	43,857.00				43,857.00	15.00	41,832.20	303.72	42,135.92	2,024.80	1,721.08
Computers & Accessories	1,18,005.00				1,18,005.00	60.00	1,18,005.00	-	1,18,005.00	(0.00)	(0.00)
Technical Equipments	16,838.00				16,838.00	15.00	15,640.13	179.68	15,819.81	1,197.87	1,018.19
Vehicle						15.00					
Modem	5,563.00				5,563.00	15.00	5,333.24	34.46	5,367.70	229.76	195.30
Refrigerator & Air conditioner	38,700.00				38,700.00	15.00	37,396.11	195.58	37,591.69	1,303.89	1,108.31
Scanner	6,349.00				6,349.00	15.00	6,123.59	33.81	6,157.40	225.41	191.60
Air Conditioner						15.00					
(E)	8,04,637.00				8,04,637.00	330.00	7,36,996.34	7,202.49	7,44,198.83	67,640.66	60,438.17
Capcell											
UPS	7,750.00				7,750.00	15.00	7,446.77	45.48	7,492.25	303.23	257.75
Computer	1,19,836.00				1,19,836.00	60.00	1,19,836.00	-	1,19,836.00	0.00	0.00
Miscellaneous Assets	18,728.00				18,728.00	15.00	17,800.01	139.20	17,939.21	927.99	788.79
Furniture & Fixtures	2,10,162.00				2,10,162.00	10.00	1,84,496.47	2,566.55	1,87,063.02	25,665.53	23,098.98
(F)	3,56,476.00				3,56,476.00	100.00	3,29,579.25	2,751.23	3,32,330.48	26,896.75	24,145.52
DPMU-Trivandrum											
Furniture & Fixtures	76,509.00				76,509.00	10.00	63,820.66	1,268.83	65,089.49	12,688.34	11,419.51
Typewriter						15.00					
UPS	7,500.00				7,500.00	15.00	6,952.81	82.08	7,034.89	547.19	465.11
Communication Equipment	7,100.00				7,100.00	15.00	6,612.35	73.15	6,685.50	487.65	414.50
Electrical Fittings	13,480.00				13,480.00	10.00	11,138.91	234.11	11,373.02	2,341.09	2,106.98
Comp. Serv. UPS&Equip	4,212.00				4,212.00	60.00	4,212.00	-	4,212.00	0.00	0.00
Modem						15.00					
Books						100.00					
Miscellaneous Assets	2,719.00				2,719.00	15.00	2,517.11	30.28	2,547.39	201.89	171.61
Technical Equipments						15.00					
Scanner						15.00					
(G)	1,11,520.00				1,11,520.00	285.00	95,253.84	1,688.45	96,942.29	16,266.16	14,577.71



Particulars	Cost				TOTAL	Rate (%)	Depreciation			Written Down Value		
	Description of Assets	Cost as on 01-04-2022	Additions during the year				Upto 01-04-2022	For the period from		Upto 31-03-2023	WDV as at 31-3-2022	WDV as at 31-03-2023
			More than 180 days	Less than 180 days				On Assets sold	Existing / New Assets			
DPMU-Kottayam												
Furniture & Fixtures	34,090.00				34,090.00	10.00	28,784.86		530.51	29,315.37	5,305.14	4,774.63
Typewriter	-				-	15.00	-		-	-	-	-
UPS	-				-	15.00	-		-	-	-	-
Communication Equipment	10,337.00				10,337.00	15.00	9,766.15		85.63	9,851.78	570.85	485.22
Electrical Fittings	21,005.00				21,005.00	10.00	17,764.68		324.03	18,088.71	3,240.32	2,916.29
Comp Serv. UPS&Equip	11,130.00				11,130.00	60.00	11,130.00		-	11,130.00	(0.00)	(0.00)
Modem	1,663.00				1,663.00	15.00	1,492.09		25.64	1,517.73	170.91	145.27
Books	-				-	100.00	-		-	-	-	-
Miscellaneous Assets	-				-	15.00	-		-	-	-	-
Technical Equipments	-				-	15.00	-		-	-	-	-
Scanner	-				-	15.00	-		-	-	-	-
(H)	78,225.00				78,225.00	285.00	68,937.79		965.81	69,903.60	9,287.21	8,321.40
DPMU-Ernakulam												
Furniture & Fixtures	86,843.00				86,843.00	10.00	72,360.04		1,448.30	73,808.34	14,482.96	13,034.66
Typewriter	-				-	15.00	-		-	-	-	-
UPS	-				-	15.00	-		-	-	-	-
Communication Equipment	9,500.00				9,500.00	15.00	8,975.37		78.69	9,054.06	524.63	445.94
Electrical Fittings	77,329.00				77,329.00	10.00	65,399.92		1,192.91	66,592.83	11,929.08	10,736.17
Comp Serv. UPS&Equip	7,150.00				7,150.00	60.00	7,150.00		-	7,150.00	0.00	0.00
Modem	3,965.00				3,965.00	15.00	3,746.04		32.84	3,778.88	218.96	186.12
Books	-				-	100.00	-		-	-	-	-
Miscellaneous Assets	6,524.00				6,524.00	15.00	6,093.89		64.52	6,158.41	430.11	365.59
Technical Equipments	867.00				867.00	15.00	812.28		8.21	820.49	54.72	46.51
Scanner	-				-	15.00	-		-	-	-	-
(I)	1,92,178.00				1,92,178.00	285.00	1,64,537.54		2,825.47	1,67,363.01	27,640.46	24,814.99
DPMU-Waynad												
Furniture & Fixtures	2,59,617.00				2,59,617.00	10.00	2,16,030.14		4,358.69	2,20,388.83	43,586.86	39,228.17
Air conditioner / Refrigeration	-				-	15.00	-		-	-	-	-
Typewriter	-				-	15.00	-		-	-	-	-
UPS	2,900.00				2,900.00	15.00	2,716.97		27.45	2,744.42	183.03	155.58
Photocopier	51,830.00				51,830.00	15.00	48,558.84		490.67	49,049.51	3,271.16	2,780.49
Communication Equipment	21,375.00				21,375.00	15.00	20,025.95		202.36	20,228.31	1,345.05	1,146.69
Projector LCD	1,25,888.00				1,25,888.00	15.00	1,16,540.68		1,402.10	1,17,942.78	9,347.32	7,945.22
Electrical Fittings	22,783.00				22,783.00	10.00	18,947.77		383.52	19,331.29	3,835.23	3,451.71
Comp Serv. UPS&Equip	10,035.00				10,035.00	60.00	10,035.00		-	10,035.00	0.00	0.00
Modem	2,200.00				2,200.00	15.00	2,061.15		20.83	2,081.98	138.85	118.02
Books	-				-	100.00	-		-	-	-	-
Miscellaneous Assets	4,600.00				4,600.00	15.00	4,284.06		47.39	4,331.45	315.94	268.55
Technical Equipments	720.00				720.00	15.00	674.56		6.82	681.38	45.44	38.62
Scanner	4,950.00				4,950.00	15.00	4,610.03		51.50	4,661.03	339.97	288.97
(J)	5,06,898.00				5,06,898.00	330.00	4,44,485.14		6,990.83	4,51,475.97	62,412.86	55,422.03
DPMU-Kannur												
Furniture & Fixtures	4,74,514.00				4,74,514.00	10.00	3,75,738.97		9,877.50	3,85,616.47	98,775.03	88,897.53
Typewriter	-				-	15.00	-		-	-	-	-
UPS, scanner, printer	2,59,450.00				2,59,450.00	15.00	1,80,089.37		11,904.09	1,91,993.46	29,260.63	67,456.54
Communication Equipment	24,585.00				24,585.00	15.00	23,033.36		232.75	23,266.11	1,851.64	1,318.89
Electrical Fittings	59,290.00				59,290.00	10.00	48,084.18		1,120.58	49,204.76	11,205.82	10,085.24
Comp Serv. UPS&Equip	98,595.00				98,595.00	60.00	98,475.18		71.89	98,547.07	119.82	47.93
Modem	550.00				550.00	15.00	519.63		4.56	524.19	30.37	25.81
Books	3,545.00				3,545.00	100.00	3,545.00		-	3,545.00	-	-
Miscellaneous Assets	20,990.00				20,990.00	15.00	18,643.87		651.92	17,295.79	4,346.13	3,694.21
Technical Equipments	48,600.00				48,600.00	15.00	45,532.69		460.10	45,992.79	3,067.31	2,607.21
Air conditioner / Refrigeration	2,71,600.00				2,71,600.00	15.00	1,59,212.51		16,858.12	1,76,070.63	1,12,387.49	95,529.37
(K)	12,61,719.00				12,61,719.00	285.00	9,50,874.76		41,181.51	9,92,056.27	3,10,844.24	2,69,662.73

Particulars	Cost as on 01-04-2022	Cost			TOTAL	Rate (%)	Upto 01-04-2022	Depreciation		Written Down Value		
		Additions during the year		Sale or Transfer				For the period from		Upto 31-03-2023	WDV as at 31-3-2022	WDV as at 31-03-2023
		More than 180 days	Less than 180 days					On Assets sold	Existing / New Assets			
DPMU-Kollam												
Communication Equipment	7,256.00				7,256.00	15.00	6,566.23		103.47	6,669.70	689.77	586.30
Electrical Fittings	6,520.00				6,520.00	10.00	5,103.01		141.70	5,244.71	1,416.99	1,275.29
Comp.Serv. UPS&Equip	2,70,634.00				2,70,634.00	60.00	2,70,634.00		-	2,70,634.00	0.00	0.00
Furniture & Fixtures	2,250.00				2,250.00	10.00	5,674.36		157.56	5,831.92	1,575.64	1,418.08
Vehicle	3,200.00				3,200.00	15.00	2,871.13		49.33	2,920.46	328.87	279.54
Miscellaneous Assets	5,870.00				5,870.00	15.00	5,311.98		83.70	5,395.68	558.02	474.32
(L)	3,00,730.00				3,00,730.00	125.00	2,96,160.71		535.76	2,96,696.47	4,569.29	4,033.53
RPMU-Idukki												
Computer	5,46,400.00				5,46,400.00	60.00	5,44,833.36		939.98	5,45,773.34	1,566.64	626.66
Furniture & Fixtures	5,71,160.00				5,71,160.00	10.00	2,71,310.12		29,984.99	3,01,295.11	2,99,849.88	2,69,864.89
UPS Printer	2,54,590.00				2,54,590.00	15.00	1,80,419.42		11,125.59	1,91,545.01	74,170.58	63,044.99
Media Equipments	49,616.00				49,616.00	15.00	34,903.18		2,206.92	37,110.10	14,712.82	12,505.90
Electrical Fittings	30,664.00				30,664.00	10.00	18,776.77		1,188.72	19,965.49	11,887.23	10,698.51
Miscellaneous Assets	2,850.00				2,850.00	15.00	2,239.40		91.59	2,330.99	610.60	519.01
Photocopier	1,77,975.00				1,77,975.00	15.00	95,078.83		12,434.43	1,07,513.26	82,896.17	70,461.74
Air conditioner / Refrigeration	28,750.00				28,750.00	15.00	23,089.86		849.02	23,938.88	5,660.14	4,811.12
(M)	16,62,005.00				16,62,005.00	155.00	11,70,650.94		58,821.24	12,29,472.18	4,91,354.06	4,32,532.82
CCDU												
Furniture & Fixtures	61,818.00				61,818.00	10.00	3,090.90		5,872.71	8,963.61	58,727.10	52,854.39
Electrical Fittings	3,247.00				3,247.00	10.00	162.35		308.47	470.82	3,084.65	2,776.18
EPABX	5,976.00				5,976.00	15.00	448.20		829.17	1,277.37	5,527.80	4,698.63
Computer Printer Scanner	2,769.00				2,769.00	60.00	830.70		1,162.98	1,993.68	1,938.30	775.32
UPS	47,988.00				47,988.00	15.00	3,599.10		6,658.34	10,257.44	44,388.90	37,730.56
Books	532.00				532.00	100.00	266.00		266.00	532.00	266.00	
Miscellaneous Assets	317.00				317.00	15.00	23.78		43.98	67.76	293.22	249.24
LCD Projector	7,420.00				7,420.00	15.00	556.50		1,029.53	1,586.03	6,863.50	5,833.97
(N)	1,30,067.00				1,30,067.00	240.00	8,977.53		16,171.18	25,148.71	1,21,089.47	1,04,918.29
Rain Centre												
Computer - Rain Centre	424.00				424.00	60.00	127.20		178.08	305.28	296.80	118.72
Furniture - Rain Centre	20,189.00				20,189.00	10.00	1,009.45		1,917.96	2,927.41	19,179.55	17,261.59
Printer - Rain Centre	392.00				392.00	15.00	29.40		54.39	83.79	362.60	308.21
(O)	21,005.00				21,005.00	85.00	1,166.05		2,150.43	3,316.48	19,838.95	17,688.52
TOTAL (A+B+C+D+E+F+G+H+I+J+K+L+M+N+O)	5,25,23,742.95	52,550.00	13,334.00		5,25,89,626.95		4,78,26,010.06		6,56,374.65	4,84,82,384.71	46,97,732.89	41,07,242.24



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
Schedules to Balance Sheet as on 31.03.2023

Previous Year		Schedule I	Current Year	
Dr	Cr		Dr	Cr
		Cash in Hand		
7,291.00		PMU Cash - Imprest	10,466.00	
-		PMU Cash - Main	21.00	
9,200.00		RPMU Idukki Cash	438.00	
2,660.00		RPMU Kannur Cash	2,361.00	
5,376.00		RPMU Malappuram Cash	4,674.00	
24,527.00			17,960.00	
24,527.00			17,960.00	

Previous Year		Schedule II	Current Year	
Dr	Cr		Dr	Cr
		Cash at Bank		
41,03,314.98		PMU Bank - Canara, Cantt./Chalai	4,59,579.98	
7,475.00		PMU Bank - Dist Treasury, Tvm	-	
4,32,68,578.34		PMU Bank - SBI, Santhinagar	3,22,09,417.84	
10,00,000.00		PMU - District Treasury PSTSB A/C	10,00,000.00	
1,17,594.84		PMU - SBI Online Account - Santhinagar	7,603.84	
12,18,666.88		PMU - SBI, Santhinagar - E-Tender	23,68,017.88	
61,72,721.00		PMU - Union Bank of India, Trivandrum Main Br.	63,53,672.00	
29,16,024.97		RPMU Idukki Bank - SBI	96,97,662.97	
1,87,984.50		RPMU Idukki Bank - SBI E-Tender	12,07,274.50	
10,00,000.00		RPMU Idukki - Treasury Bank A/C	10,00,000.00	
40,744.48		RPMU Idukki Union Bank	12,82,489.68	
1,08,646.50		RPMU Idukki SBI Sustainability Support	3,03,634.00	
10,00,000.00		RPMU Kannur Treasury - PSTSB	5,94,242.00	
2,14,148.95		RPMU Kannur Bank- Canara	1,49,938.95	
2,24,92,721.00		RPMU Kannur Bank - Canara - SSP	24,13,170.00	
1,17,47,422.00		RPMU Kannur Bank - SBI	9,53,87,048.00	
5,72,464.50		RPMU Kannur SBT- CA A/c	17,63,103.50	
2,56,238.03		RPMU Kannur - Syndicate Bank	15,492.03	
77,92,737.85		Rpmu Mlpm - SBI - Project	60,46,454.85	
10,00,000.00		RPMU Mlpm-Treasury Bank-Project	10,00,000.00	
1,96,134.00		RPMU Mpm Bank - Indian NRDWP	2,01,584.00	
5,92,103.79		RPMU MPM- Canara (E-Syndicate Bank - Sustainability)	24,08,682.79	
2,58,102.00		Rpmu Mpm-Indian Bank -admin	11,622.00	
11,25,595.50		RPMU Mpm-SBI-E Tender A/c- CA	18,53,513.50	
10,00,000.00		Rain Centre - PSTSB	1,641.00	
1,60,96,241.13		Rain Centre - SBI	1,33,59,639.13	
10,964.00		Rain Centre - TSB	-	
12,44,96,624.24			18,10,95,484.44	
12,44,96,624.24			18,10,95,484.44	

Previous Year		Schedule III	Current Year	
Dr	Cr		Dr	Cr
		Deposits		
		PMU		
3,000.00		Telephone Deposit 30/05/2000	3,000.00	
2,000.00		Telephone Deposit 25/11/2000	2,000.00	
6,000.00		Telephone Deposit 10/10/1999	6,000.00	
9,000.00		Telephone Deposit 30/11/1999	9,000.00	
10,000.00		Telephone Deposit 18/08/2015	10,000.00	
1,750.00		Gas Conn. Deposit 21/02/2015	1,750.00	
3,312.00		Other Deposits	3,312.00	



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
Schedules to Balance Sheet as on 31.03.2023

		CCDU		
3,200.00		Telephone Deposit	3,200.00	
200.00		Other Deposits - Water Can	200.00	
		CPTR		
500.00		Telephone Deposit 31/03/2010	500.00	
		Thrissur		
1,100.00		Gas Conn. Deposit 25/07/2006	1,100.00	
		RPMU-Malappuram		
15,000.00		Telephone Deposit 19/12/15	15,000.00	
5,298.00		Electricity Deposit 12/06/2019	5,298.00	
13,300.00		Other Deposits	13,300.00	
		RPMU-Kannur		
2,26,706.00		Other Deposits - Treasury FD - JL0157639 dtd. 21/02/2022	2,26,706.00	
29,688.00		Other Deposits - Treasury FD - JL0157638 dtd. 21/02/2022	29,688.00	
-		Other Deposits - Treasury FD - JL1638496 dtd. 23/12/2022	49,480.00	
-		Other Deposits - Treasury FD - JL1929706 dtd.27/02/2023	42,096.00	
3,30,054.00	-	Total	4,21,630.00	-
3,30,054.00			4,21,630.00	

Previous Year		Schedule IV	Current Year	
Dr	Cr	Staff Advance	Dr	Cr
1,02,372.00		Advance to Staff-PMU	85,572.00	
1,09,618.00		Advance to Staff-RPMU Malappuram	39,618.00	
-		Advance to Staff-RPMU Idukki	20,000.00	
3,000.00		Advance to Staff - Geethakumari - Rain Centre	3,000.00	
15,000.00		Advance to Staff - Felix - Rain Centre		
2,29,990.00		Total	1,48,190.00	
2,29,990.00			1,48,190.00	

Previous Year		Schedule V	Current Year	
Dr	Cr	Other advances of RPMU & PMU	Dr	Cr
41,426.00		Advance to KRWSA - Rain Centre	41,426.00	
19,892.00		Advance to Ashok Kumar Singh, IAS	19,892.00	
38,513.00		Advance to others-Malappuram	38,513.00	
5,232.00	-	CCDU - Adv. For Water Literacy Campaign	5,232.00	
99,274.00		CCDU - Adv. To State Programme Co-ordinator VHSC	99,274.00	
2,04,337.00	-	Grand Total	2,04,337.00	-
	2,04,337.00			2,04,337



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
Schedules to Balance Sheet as on 31.03.2023

Previous Year		Schedule VI	Current Year	
Dr	Cr	<u>Sundry Creditors For Expenses</u>	Dr	Cr
	1,50,000.00	Audit Fee Payable		1,50,000.00
	38,827.00	CCDU - Admn. Exp Outstanding		38,827.00
5,067.00	-	Deductions LIC	13,970.00	5,580.00
4,91,226.00	-	Salary Deductions Others		1,92,133.00
1,55,071.00	-	Deductions P F	2,20,060.00	58,693.00
23,032.00	-	Salary Deduction-EPF		84,968.00
		Salary Deduction-ESI		2,204.00
		Salary Deduction-Medicap		1,000.00
		Salary Deduction-Others	6,76,559.00	10,708.00
	22,686.00	Electricity & Water Charges Payable		30,464.00
	28,45,288.00	Salary Payable	88,000.00	26,41,930.00
	2,14,228.00	Wages Payable		6,55,028.00
	10,57,400.00	EMD		36,88,732.00
	1,35,256.00	EMD JJM		
	5,53,235.00	Expenses Payable		7,41,841.00
3,62,278.00	-	Flood Relief Contribution	3,62,278.00	
	9,90,756.00	Fund from Others		8,79,98,107.00
1,46,178.00	-	GST TDS		2,75,524.00
	1,16,699.00	GST-TDS JJM		
	4,87,932.00	KCWWF		4,84,638.00
	19,290.00	KCWWF - JJM		
	15,31,581.00	VAT		15,31,581.00
	2,46,358.00	Rent Payable		2,21,407.00
2,15,829.00	-	TDS on Salary	3,44,091.00	15,056.00
7,482.00		Tax Deductions Rent	14,720.00	11,022.00
	10,49,934.00	Tax Deductions Consultancy	639.00	10,56,723.00
	5,58,100.00	Tax Deductions Consultancy - JJM		16,67,559.00
	86,763.00	Tax Deductions Works		81,644.00
	21,010.00	Tax Deductions Works - JJM		
	47,59,842.00	Withheld Amount - Third Party Inspection		14,49,127.00
	3,52,818.00	GST - Rain Centre		
	99,750.00	KCWWF - Rain Centre		9,049.00
	3,53,685.00	TDS - Rain Centre		
38,42,215.00		Vittal Constructions - Rain Centre	38,42,215.00	
	38,42,215.00	Siva Sankara MG - Rain Centre		38,42,215.00
	15,000.00	EPF Payable - Rain Centre		
	1,94,034.00	Salary Payable - Rain Centre		1,94,034.00
	1,00,000.00	District Collectorate Trivandrum - Rain Centre		1,00,000.00
52,48,378.00	1,98,42,687.00	Total	55,62,532.00	10,72,39,794.00
	1,45,94,309.00			10,16,77,262

Previous Year		Schedule VII	Current Year	
Dr	Cr		Dr	Cr
		Jal Jeevan Mission		
		Advertisement - JJM		
1,59,15,245.00		JJM - GPs - FHTCs		
7,85,091.00		Water Quality Testing - JJM		
25,32,770.00		JJM - IEC/WQMS/ISA Related Exp		
1,92,33,106		Total	-	



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
Schedules to Income & Expenditure for the period from 01/04/2022 to 31/03/2023

Completion of Water Supply Schemes
under the World Bank Aided -Jalanidhi
II-Project

Schedule - VIII(a)

Previous Year			Current Year	
Dr	Cr		Dr	Cr
	24,31,529.00	Bank Interest		26,62,009.00
	88,635.00	Bank Interest NRDWP		-
13,96,568.00	10,74,170.00	Other Income		10,56,138.00
	1,37,073.00	Other Income - JJM		
		RTI Receipts		285.00
		Tender Fee Receipts		14,93,246.00
		Water Quality Testing - JJM		29,469.00
13,96,568.00	37,31,407.00		-	52,41,147.00

Schedule - VIII(b)

Previous Year			Current Year	
Dr	Cr		Dr	Cr
		Advertisement		9,039.00
2,05,910.00		Audit Fee - GP-BG-SO	1,88,600.00	
		SO/GPAT Payment - LWSS	6,28,197.00	
		SO/GPAT Payment - SWSS	1,91,344.00	
2,76,37,139.00		Salary to Staff		
5,597.07		Bank Charges	336.30	
20,85,428.00		Gratuity to staff		
88,491.00		IEC-PMU/RPMU Level		
2,85,000.00		Legal Consultant charges		
15,61,832.00		Water Quality Surveillance		
24,125.00		IEC-GP/BG level		
3,400.00		Water quality expenses to GP		
140.00		Conference, Meeting & Seminar		
12,86,61,312.00		Fund Transfer from RPMUs to GPs	93,87,509.00	
		Inter Scheme Utilisation - Sustainability	2,30,00,000.00	
97,134.00		Jalanidhi-I CPTRP		
16,06,55,508.07	-		3,33,95,986.30	9,039.00



KERALA RURAL WATER SUPPLY AND SANITATION AGENCY
Schedules to Income & Expenditure for the period from 01/04/2022 to 31/03/2023

IEC, Capacity Building and Training &
 Jaldasree Club

Schedule - IX

Previous Year			Current Year	
Dr	Cr		Dr	Cr
		IEC - JALASREE CLUB	3,00,000.00	
		Training Expenses - IEC	37,898.00	
-	-		3,37,898.00	-

Conversion of Homestead Wells Into
 Protected and Sustainable Drinking
 Water Sources

Schedule - X

Previous Year			Current Year	
Dr	Cr		Dr	Cr
		Well Conversion Expenses	25,32,087.00	
-	-		25,32,087.00	-

Scaling Up of Rain Water Harvesting and
 GWR Measures Through KRWSA

Schedule - XI

Previous Year			Current Year	
Dr	Cr		Dr	Cr
		Beneficiary Contribution -RWH & GWR Programme		30,62,325
		Training Expenditure-Rain Centre	25,544.00	
		RWH & GWR Expenses	6,16,53,424.00	
-	-		6,16,78,968.00	30,62,325.00

Sustainability Support to Community
 Managed Water Supply Scheme

Schedule - XII

Previous Year			Current Year	
Dr	Cr		Dr	Cr
3,97,510.00		Advertisement - Sustainability	3,24,318.00	
5,42,953.00		Annual Maintenance Contracts- Sustainability	2,34,634.00	
1,50,000.00		Audit Fee - PMU-RPMU - Sustainability	1,64,750.00	
10,615.75		Bank Charges - Sustainability	2,167.50	
11,60,850.00		Communication Expenses - Sustainability	9,93,715.00	
98,536.00		Computer Stationery - Sustainability	95,357.00	



