



## Ministry of Jal Shakti

Department of Drinking Water and Sanitation

Jal Jeevan Mission

AAP for Water Quality Monitoring & Surveillance (up to 2% of JJM fund)

State / UT : KERALA

### A.) Laboratory details and NABL accreditation

#### a.) Laboratory details

Details of laboratories	Total no. of laboratories	No. of NABL accredited laboratories	No. of laboratories planned to be set up in FY 20-21	No. proposed for NABL accreditation in FY 20-21
State-level	1	1	0	0
District-level	14	0	0	8
Sub-division level	37	0	0	0
Block level	0	0	0	0
Mobile	0	0	0	0
<b>Total</b>	<b>52</b>	<b>1</b>	<b>0</b>	<b>8</b>

#### b) Water Quality Monitoring

Total No. of drinking water sources in the state	No. of tests for drinking water sources planned during FY 20-21	
	Chemical contamination	Bacteriological contamination
<b>1151815</b>	<b>107200</b>	<b>214400</b>

Total No. of drinking water delivery points in the state	No. of tests for drinking water delivery point planned during FY 20-21	
	Chemical contamination	Bacteriological contamination
<b>41038</b>	<b>42000</b>	<b>42000</b>

## C.) Water quality surveillance

### i.) Sanitary inspections/ surveys

Total No. of drinking water sources in the state	Total No. of drinking water delivery points in the state	No. of source sanitary surveys planned in FY 20-21	Total no. of sanitary surveys planned during FY 20-21
<b>1151815</b>	<b>41038</b>	<b>83400</b>	<b>66600</b>

### ii.) Field Test Kits (FTKs)

No. of villages	No. of Schools/ Anganwadis	No. of FTKs tests planned at source/ GP level <b>except</b> School / Anganwadi	No. of FTKs tests planned at School/ Anganwadi	No. of FTKs to be procured	No. of refills/ reagents to be procured
<b>1579</b>	<b>3890</b>	<b>1305600</b>	<b>3890</b>	<b>130995</b>	<b>0</b>

## B.) Financial planning for WQMS activities

### a.) Setting up/ Up-gradation/ operation of laboratories

S.No.	Details	Proposed amount (in Rs. Lakh)				
		State level lab	District level lab	Sub-divisional level lab	Block level lab	Mobile lab
1	Building construction cost of State lab	800.00	0.00	0.00	0.00	0.00
2	Procurement of equipments/ instruments	25.00	598.14	167.57	0.00	0.00
3	Rental charges	0.00	0.00	0.38	0.00	0.00
4	Maintenance of equipments/ instruments	5.00	11.25	47.50	0.00	0.00
5	Chemicals/ reagent/ glassware/ consumables	15.00	172.92	91.30	0.00	0.00
6	Hiring of outsourced human resources	0.00	257.99	238.08	0.00	0.00
7	Hiring of vehicles for transportation of water samples	0.00	44.14	81.66	0.00	0.00
8	NABL accreditation process (consultant fee, audit cost, application fee and annual fee)	3.00	972.06	0.00	0.00	0.00
9	Modernization / upgradation of labs	0.00	208.25	21.18	0.00	0.00
10	Others	0.00	0.00	103.00	0.00	0.00
<b>Total</b>		<b>848.00</b>	<b>2264.75</b>	<b>750.67</b>	<b>0.00</b>	<b>0.00</b>

### b.) Details of FTKs/ reagents to be procured

S.No.	Details	For GPs (in number)	For Anganwadis/ Schools (in number)	For testing at departmental level (in number)	Proposed amount (in Rs. Lakh)
1	Chemical Kits	13056	40	0	196.44
2	Bacteriological vials	26112	80	0	3.90

<b>S.No.</b>	<b>Details</b>	<b>For GPs (in number)</b>	<b>For Anganwadis/ Schools (in number)</b>	<b>For testing at departmental level (in number)</b>	<b>Proposed amount (in Rs. Lakh)</b>
3	<b>Refill kits- chemical</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
4	<b>Refill kits- bacteriological</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Total</b>		<b>39168</b>	<b>120</b>	<b>0</b>	<b>200.34</b>

**C) Laboratories proposed for Public Private Partnership (PPP)**

Laboratory details	Numbers	Proposed amount (in Rs. Lakh)
<b>State-level</b>	<b>3</b>	<b>300.00</b>
<b>District-level</b>	<b>0</b>	<b>0.00</b>
<b>Sub-division level</b>	<b>0</b>	<b>0.00</b>
<b>Block level</b>	<b>0</b>	<b>0.00</b>
<b>Mobile</b>	<b>0</b>	<b>0.00</b>
<b>Total</b>	<b>3</b>	<b>300.00</b>

**D.) IEC Activities**

S.No.	Type of activity	No. of proposed activities	Proposed amount (in Rs. Lakh)
1	<b>Display of water quality testing laboratory details in prominent locations in villages</b>	<b>2000</b>	<b>10.00</b>
2	<b>Awareness generation on water quality issues, water-borne diseases and health impacts</b>	<b>500</b>	<b>10.00</b>
3	<b>Water safety planning</b>	<b>500</b>	<b>10.00</b>
4	<b>Behavioural change communication</b>	<b>500</b>	<b>10.00</b>
5	<b>Audio-visual publicity on ill effects of consuming contaminated water, process of getting water quality sources tested, importance of sanitary inspection, etc.</b>	<b>1</b>	<b>30.00</b>
6	<b>Wall writings promoting tap water</b>	<b>1000</b>	<b>20.00</b>
7	<b>Slogans, group meeting, street plays, PRA activities, exhibits, etc on water quality</b>	<b>100</b>	<b>10.00</b>
8	<b>Others</b>	<b>1</b>	<b>5.00</b>
<b>Total</b>		<b>4602</b>	<b>105.00</b>

**E.) Training and capacity building activities of various stakeholders**

S.No.	Level	Number of proposed trainings	Proposed amount (in Rs. Lakh)
1	Five women from each GP on leading water quality surveillance activities	15	20.00
2	Department stakeholders on WQM&S	28	28.00
3	GP and its sub-committees	20	20.00
4	ISAs, PRIs, GRWs, etc.	20	20.00
5	Others	1	12.00
<b>Total</b>		<b>84</b>	<b>100.00</b>

**F.) Any other innovation**

S.No.	Activities (details)	Amount (in Rs. Lakh)
1	Others	0.00

**G.) Fund required for WQM&S Activities (total fund required from A to F)**

S.No.	Details	Amount (in Rs. Lakh)
1	Center Share	2741.26
2	State Share	1827.50
<b>Total</b>		<b>4568.76</b>