Laboratory	**Lower Cauvery Water Quality Laboratory, Central Water Commission, Southern Rivers Division, Sangamam, Gandhimaanagar, Peelamedu Post, Coimbatore, Tamil Nadu**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-7437** **Page 1 of 2**
Validity	**22.06.2018 to 21.06.2020** **Last Amended on --**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection

CHEMICAL TESTING

I.	**WATER**			
1.	**River Water**	pH @ 25^0C	APHA23rd Edn.2017 -- 4500H^+ B (Electrometric Method)	2 to 12
		Conductivity @ 25^0C	APHA23rd Edn.2017 – 2510 B (Electrometric Method)	1 µS/cm to 5000 µS/cm
		Total Hardness as $CaCO_3$	APHA23rd Edn.2017 – 2340 C (Titrimetric Method)	5 mg/L to 1000 mg/L
		Calcium as Ca	APHA23rd Edn.2017 -- 3500Ca - B (Titrimetric Method)	2 mg/L to 500 mg/L
		Magnesium as Mg	APHA23rd Edn.2017 -- 3500Mg - B (Calculation Method)	2 mg/L to 500 mg/L
		Total alkalinity as $CaCO_3$	APHA23rd Edn.2017 – 2320 B (Titrimetric Method)	1 mg/L to 1000 mg/L
		Chloride as Cl	APHA23rd Edn.2017 -- 4500Cl^- B (Argentometric Method)	1 mg/L to 1000 mg/L
		Biochemical Oxygen Demand @20^0C for 5 days	APHA23rd Edn.2017 – 5210 B (Dilution Method)	2 mg/L to 250 mg/L
		Dissolved Oxygen	APHA23rd Edn.2017 -- 4500, O-C (Azide Modification Method)	0.2 mg/L to 10 mg/L

Ajay Kumar Sharma
Convenor

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Program Manager

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		Nitrate as NO_3	APHA23rd Edn.2017 – 4500 NO_3^- D (ISE Method)	0.20 mg/L to 250 mg/L
		Fluoride as F	APHA23rd Edn.2017 – 4500 F^- C (ISE method);	0.1 mg/L to 10 mg/L
		Sodium as Na	APHA23rd Edn.2017 – 3500 Na-B (Flame Emission Photometric Method)	1 mg/L to 500 mg/L
		Potassium as K	APHA23rd Edn.2017 – 3500 K-D (Flame Emission Photometric Method)	1 mg/L to 250 mg/L

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