National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL LABORATORY OF CPP, USHA MARTIN LTD., RANCHI, 2*10MW CPP, USHA MARTIN LTD,TATISILWAI, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5404 **Page No** 1 of 2

Validity 05/05/2022 to 04/05/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	AMBIENT AIR	NITROGEN DIOXIDE	IS 5182 (PART 06)
2	CHEMICAL- ATMOSPHERIC POLLUTION	AMBIENT AIR	PARTICULATE MATTER (PM 2.5)	SOP UML WT 02, Issue No.05, Issue Date: 14.06.2016 (BASED ON CPCB GUIDELINE VOL 1)
3	CHEMICAL- ATMOSPHERIC POLLUTION	AMBIENT AIR	RESPIRABLE SUSPENDED PARTICULATE MATTER (PM 10)	IS 5182 (PART 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	AMBIENT AIR	SULPHUR DIOXIDE	IS 5182 (PART 02)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Noise	IS 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	STACK EMISSION	OXIDES OF NITROGEN	IS 11255 (PART 07)
7	CHEMICAL- ATMOSPHERIC POLLUTION	STACK EMISSION	PARTICULATE MATTER	IS 11255 (PART 07)
8	CHEMICAL- ATMOSPHERIC POLLUTION	STACK EMISSION	SULPHUR DIOXIDE	IS 11255 (PART-2)
9	CHEMICAL- POLLUTION & ENVIRONMENT	ETP WATER & STP WATER	DISSOLVED OXYGEN	IS 3025 (PART 38)
10	CHEMICAL- POLLUTION & ENVIRONMENT	ETP WATER & STP WATER	OIL & GREASES	IS 3025 (PART 39)
11	CHEMICAL- POLLUTION & ENVIRONMENT	ETP WATER & STP WATER	pH	APHA 23rd EDITION 4500H+
12	CHEMICAL- POLLUTION & ENVIRONMENT	ETP WATER & STP WATER	TOTAL DISSOLVED SOLIDS	APHA 23rd EDITION 2540 C
13	CHEMICAL- POLLUTION & ENVIRONMENT	ETP WATER & STP WATER	TOTAL SUSPENDED SOLIDS	APHA 23rd EDITION 2540 D
14	CHEMICAL- SOLID FUELS	COAL	ASH	IS 1350 (PART 01)
15	CHEMICAL- SOLID FUELS	COAL	Gross Calorific Value (GCV)	IS 1350 (PART 02)
16	CHEMICAL- SOLID FUELS	COAL	HYGROSCOPIC MOISTURE	IS 1350 (PART 01)
17	CHEMICAL- SOLID FUELS	COAL	Volatile Matter	IS 1350 (PART 01)
18	CHEMICAL- WATER	DRINKING WATER, GROUND WATER, SURFACE WATER, DM WATER	TOTAL DISSOLVED SOLIDS	APHA 23 RD EDITION 2540C
19	CHEMICAL- WATER	DRINKING WATER, GROUND WATER, SURFACE WATER, DM WATER	TOTAL HARDNESS AS CaCO3	IS 3025 (PART 21)

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL LABORATORY OF CPP, USHA MARTIN LTD., RANCHI, 2*10MW CPP, USHA MARTIN LTD,TATISILWAI, RANCHI, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5404 **Page No** 2 of 2

Validity 05/05/2022 to 04/05/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
20	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	ACIDITY	IS 3025 (PART 22)
21	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	ALKALINITY	IS 3025 (PART 23)
22	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	CALCIUM AS CaCO3	IS 3025 (PART 40)
23	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	CHLORIDE	IS 3025 (PART 32)
24	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	FREE RESIDUAL CHLORINE	IS 3025 (PART 26)
25	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	IRON	IS3025 (PART 53)
26	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	MAGNESIUM AS CaCO3	APHA 23rd EDITION. (PAGE 3-86 3500 Mg B)
27	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	NITRATE	IS 3025 (PART 34)
28	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	NITRITE	APHA 23 RD EDITION 4500 NO2 B
29	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	pH	APHA 23 rD EDITION 4500 H+
30	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	SILICA AS SIO2	IS 3025 (PART 35)
31	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	SULPHATE	APHA 22ND EDITION 4500-SO42
32	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	TEMPERATURE	IS 3025 (PART 09)
33	CHEMICAL- WATER	DRINKING WATER.GROUND WATER,SURFACE WATER,DM WATER	TURBIDITY	APHA 23 RD EDITION 2130 B