Laboratory	**Tejus Technology, Abhayalakshmi Complex, Shanthinagar Sulibele Road, Devanahalli, Bangalore, Karnataka**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Chemical Testing**	**Issue Date**	**21.07.2014**
Certificate Number	**T-3056**	**Valid Until**	**20.07.2016**
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. AIR, GASES & ATMOSPHERE				
1.	**Stack Monitoring**	Velocity & Volume of the flue gas discharged	IS:11255(Part3):2008	1.0 m/s to 15.0m/s
		Particulate Matter	IS:11255(Part1): RA1985	1.0 mg/Nm^3 to 300 mg/Nm^3
		Oxides of Sulphur	IS:11255(Part2): RA 1985	3.0 mg/Nm^3 to 500 mg/Nm^3
		Oxides of Nitrogen	IS:11255(Part7):2005	3.0 mg/Nm^3 to 400 mg/Nm^3
2.	**Ambient Air Monitoring**	Oxides of Sulphur	IS 5182 (Part 2) :2001	3.0 µg/$m^3$to 500 µg/m^3
		Oxides of Nitrogen	IS 5182 (Part 6) :2006	3.0 µg/$m^3$to 500 µg/m^3
		Particulate Matter (Size less than 10µm) or PM10	IS 5182 (Part 23) :2006	5.0 µg/$m^3$to 600 µg/m^3
		Particulate Matter (Size less than 2.5µm) or PM2.5	PM2.5 – USEPA Quality Assurance Hand Book Vol.Part -11	5.0 µg/$m^3$to 600 µg/m^3
II. WATER				
1.	**Drinking Water & Surface Water**	pH	APHA 22nd Edition 4500 – H^+ , B	0.1 to 13.5
		Conductivity	APHA 22nd Edition 2510, B	0.1 to 4000 µs/cm
		Turbidity	APHA 22nd Edition 2130, B	0.01 to 100 NTU
		Total Hardness as $CaCO_3$	APHA 22nd Edition 2130, C	1 to 5000 mg/L
		Calcium as Ca	APHA 22nd Edition 3500 - Ca, B	1 to 4000 mg/L

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Drinking Water & Surface Water	Magnesium as Mg	APHA 22nd Edition 3500 - Mg, B	1 to 4000 mg/L
		Chloride as Cl	APHA 22nd Edition 4500 – Cl^-, B	1 to 3500 mg/L
		Total Alkalinity as $CaCO_3$	APHA 22nd Edition 2320, B	1 to 1500 mg/L
		Total Suspended Solids	APHA 22nd Edition 2540 ,D	1 to 500 mg/L
		Total Dissolved Solids	APHA 22nd Edition 2540 ,C	1 to 3000 mg/L
		Sulfate as SO_4	APHA 22nd Edition 4500-SO_4^{2-} ,E	1 to 500 mg/L
		Nitrate as NO_3	APHA 22nd Edition 4500-NO_3^- ,E	0.1 to 100 mg/L
		Nitrite as NO_2	APHA 22nd Edition 4500-NO_2^- ,B	0.1 to 100 mg/L
		Iron as Fe	APHA 22nd Edition 3500-Fe ,B	0.02 to 20 mg/L
		Boron as B	APHA 22nd Edition 4500-B ,B	0.02 to 4 mg/L
		Fluoride as F	APHA 22nd Edition 4500- F,B	0.05 to 10 mg/L
III. POLLUTION & ENVIRONMENT				
1.	**Effluent Water & Sewage Water**	Iron as Fe	APHA 22nd Edition 3500-Fe ,B	0.02 to 20 mg/L
		Boron as B	APHA 22nd Edition 4500-B ,B	0.1 to 4 mg/L

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Effluent Water & Sewage Water	Fluoride as F	APHA 22nd Edition 4500- F^-,D	0.1 to 10 mg/L
		pH	APHA 22nd Edition 4500 – H^+ , B	0.1 to 13.5
		Conductivity	APHA 22nd Edition 2510, B	0.1 to 200000 µs/cm
		Turbidity	APHA 22nd Edition 2130, B	0.01 to 1000 NTU
		Chloride as Cl	APHA 22nd Edition 4500 – Cl^-, B	1 to 10000 mg/L
		Total Suspended Solids	APHA 22nd Edition 2540 ,D	1 to 1000 mg/L
		Total Dissolved Solids	APHA 22nd Edition 2540 ,C	1 to 100000 mg/L
		Sulfate as SO_4	APHA 22nd Edition 4500-SO_4^{2-} ,E	1 to 1000 mg/L
		Dissolved Oxygen	APHA 22nd Edition 4500-O ,B	1 to 10 mg/L
		Oil & Grease	APHA 22nd Edition 5520 ,B	0.1 to 1000 mg/L
		Chemical Oxygen Demand	APHA 22nd Edition 5220 ,B	1 to 150000 mg/L
		Biochemical Oxygen Demand	IS 3025 (Part 44): 1993 (Reaffirmed 2003)	1 to 100000 mg/L

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