

Laboratory **Min Mec R & D Laboratory, A-121, Paryavaran Complex, IGNOU Road, New Delhi**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6337 (in lieu of T-1157)**

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Validity **08.10.2017 to 07.10.2019**

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>CHEMICAL TESTING</b>				
I.	<b>WATER</b>			
1.	<b>Drinking Water</b>	Odour	IS 3025 (Part 5) : 1983 RA 2012	Not Applicable
		Temperature	IS 3025 (Part 9) : 1984, RA 2006	1 °C to 70 °C
		Turbidity	IS 3025 (Part 10) : 1984, RA 2012	1 NTU to 100 NTU
		pH value	IS 3025 (Part 11) : 1983, RA 2012	1.00 to 14.00
		Specific conductance	IS 3025 (Part 14) : 1984, RA 2013	0.01 mS/cm to 200 mS/cm
		Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15) : 1984, RA 2014	10 mg/l to 10000 mg/l
		Total dissolved solids	IS 3025 (Part 16) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Total suspended solids	IS 3025 (Part 17) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2009, RA 2014	4 mg/l to 200 mg/l
		Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	4 mg/l to 500 mg/l
		Acidity	IS 3025 (Part 22):1986, RA 2014	1 mg/l to 500 mg/l

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		Chloride as Cl	IS 3025 (Part 32) : 1988, RA 2014	2 mg/l to 2000 mg/l
		Free residual chlorine	IS 3025 (Part 26) : 1986, RA 2014	0.07 mg/l to 30 mg/l
		Calcium as Ca	IS 3025 (Part 40) : 1991, RA 2014	2 mg/l to 800 mg/l
		Magnesium as Mg	IS 3025 (Part 46) : 1994, RA 2014	1 mg/l to 600 mg/l
		Carbonate and Bicarbonate	IS 3025 (Part 51) : 2001, RA 2012	4 mg/l to 100 mg/l
		Sulphate	IS 3025 (Part 24) : 1986 RA 2014	1.0 mg/l to 100 mg/l
		Phosphorous as P	IS 3025 (Part 31) : 1988, RA 2014	0.1 mg/l to 5 mg/l
		Nitrate as NO <sub>3</sub>	APHA 23 <sup>rd</sup> Ed.(4500-NO <sub>3</sub> -B)	0.5 mg/l to 100 mg/l
		Nitrite	APHA 23 <sup>rd</sup> Ed.(4500-NO <sub>2</sub> -B)	0.05 mg/l to 10 mg/l
		Ammoniacal nitrogen-NH <sub>3</sub>	APHA 23 <sup>rd</sup> Ed. 4500-NH <sub>3</sub> C	1.12 mg/l to 112 mg/l
		Iron as Fe	IS 3025 (Part 53) : 2003; RA 2014 & IS 3025 (Part 2): 2004, RA2014	0.1 mg/l to 0.5 mg/l
		Fluoride as F	APHA 23 <sup>rd</sup> Ed. 4500-F- D	0.1 mg/l to 5 mg/l
		Hexavalent chromium	APHA 23 <sup>rd</sup> Ed. 3500-Cr B	0.1 mg/l to 2 mg/l
		Sodium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Potassium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Aluminum	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.792 mg/l
		Barium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 0.377 mg/l

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		Boron	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5.189 mg/l
		Bismuth	IS 3025 (Part 2): 2004, RA 2014: ICP	0.02 mg/l to 5 mg/l
		Cadmium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.002 mg/l to 1.943 mg/l
		Chromium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.406 mg/l
		Cobalt	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 2.340 mg/l
		Copper	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Lead	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.717 mg/l
		Lithium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l
		Manganese	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Nickel	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 47.170 mg/l
		Strontium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l
		Silver	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l
		Thallium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.434 mg/l
		Zinc	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 7.076 mg/l
		Arsenic	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Selenium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.419 mg/l

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Mercury	IS 3025 (Part 2): 2004, RA 2014: ICP	0.006 mg/l to 5 mg/l
		Antimony	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.406 mg/l
		Beryllium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.906 mg/l
		Molybdenum	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.83 mg/l
		Vanadium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.698 mg/l
2.	Surface & Ground Water	Odour	IS 3025 (Part 5) : 1983, RA 2012	Not Applicable
		Temperature	IS 3025 (Part 9) : 1984, RA 2006	1 °C to 70 °C
		Turbidity	IS 3025 (Part 10) : 1984, RA 2012	1 NTU to 100 NTU
		pH value	IS 3025 (Part 11) : 1983, RA 2012	1.00 to 14.00
		Specific conductance	IS 3025 (Part 14) : 1984, RA 2013	0.01 mS/cm mg/l to 200 mS/cm
		Total dissolved solids	IS 3025 (Part 16) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Total suspended solids	IS 3025 (Part 17) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15) : 1984, RA 2014	20 mg/l to 10000 mg/l
		Settleable solids	APHA 23 <sup>rd</sup> Ed. 2540 F	1 mg/l to 40 mg/l

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Oil & Grease	IS 3025 (Part 39) : 1991, RA 2014	5 mg/l to 1000 mg/l
		Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2009, RA 2014	4 mg/l to 200 mg/l
		Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	4 mg/l to 500 mg/l
		Acidity	IS 3025 (Part 22):1986, RA 2014	5 mg/l to 500 mg/l
		Chloride as Cl	IS 3025 (Part 32) : 1988, RA 2014	2 mg/l to 2000 mg/l
		Dissolved oxygen	IS 3025 (Part 38) : 1989, RA 2014	0.5 mg/l to 15.0 mg/l
		Calcium as Ca	IS 3025 (Part 40) : 1991, RA 2014	2.0 mg/l to 800 mg/l
		Biochemical oxygen demand	IS 3025 (Part 44) : 1993, RA 2014	1 mg/l to 1000 mg/l
		Magnesium as Mg	IS 3025 (Part 46) : 1994, RA 2014	1 mg/l to 600 mg/l
		Carbonate and Bicarbonate	IS 3025 (Part 51) : 2001, RA 2012	4 mg/l to 500 mg/l
		Sulphate	IS 3025 (Part 24) : 1986 RA 2014	1.0 mg/l to 100 mg/l
		Phosphorous as P	IS 3025 (Part 31) : 1988, RA 2014	0.1 mg/l to 2.0 mg/l
		Phosphate, PO <sub>4</sub>	IS 3025 (Part 31) : 1988, RA 2014	0.004 mg/l to 2.7 mg/l
		Nitrate as NO <sub>3</sub>	APHA 23 <sup>rd</sup> Ed. (4500 – NO <sub>3</sub> -B)	0.5 mg/l to 100 mg/l
		Nitrite	APHA 23 <sup>rd</sup> Ed. 4500-NO <sub>2</sub> -B	0.05 mg/l to 10 mg/l
		Ammoniacal nitrogen-NH <sub>3</sub>	APHA 23 <sup>rd</sup> Ed. 4500-NH <sub>3</sub> C	1.12 mg/l to 112 mg/l

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		Iron as Fe	IS 3025 (Part 53) : 2003; RA 2014 IS 3025 (Part 2): 2004, RA2014	0.1 mg/l to 0.5 mg/l
		Fluoride as F	APHA 23 <sup>rd</sup> Ed. 4500-F- D	0.1 mg/l to 1.6 mg/l
		Chemical Oxygen Demand (COD)	APHA 23 <sup>rd</sup> Ed. 5220 D	5 mg/l to 3000 mg/l
		Hexavalent chromium in water	APHA 23 <sup>rd</sup> Ed. 3500-Cr B	0.1 mg/l to 1.7 mg/l
		Sodium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Potassium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Aluminum	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.792 mg/l
		Barium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 0.377 mg/l
		Boron	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5.189 mg/l
		Bismuth	IS 3025 (Part 2): 2004, RA 2014: ICP	0.02 mg/l to 5 mg/l
		Cadmium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.002 mg/l to 1.943 mg/l
		Chromium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.406 mg/l
		Cobalt	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 2.340 mg/l
		Copper	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Lead	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.717 mg/l
		Lithium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l

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		Manganese	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Nickel	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 47.170 mg/l
		Strontium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l
		Silver	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 5 mg/l
		Thallium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.434 mg/l
		Zinc	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 7.076 mg/l
		Arsenic	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.887 mg/l
		Selenium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.419 mg/l
		Mercury	IS 3025 (Part 2): 2004, RA 2014: ICP	0.006 mg/l to 5 mg/l
		Antimony	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.406 mg/l
		Beryllium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.906 mg/l
		Molybdenum	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 1.83 mg/l
		Vanadium	IS 3025 (Part 2): 2004, RA 2014: ICP	0.01 mg/l to 4.698 mg/l
<b>II.</b>	<b>POLLUTION &amp; ENVIRONMENT</b>			
<b>1.</b>	<b>Waste water</b>			
		Temperature	IS 3025 (Part 9) : 1984, RA 2006	1 °C to 90 °C

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		pH value	IS 3025 (Part 11) : 1983, RA 2012	1 to 14.00
		Specific conductance	IS 3025 (Part 14) : 1984, RA 2013	0.01 mS/cm mg/l to 200 mS/cm
		Total residue (Total solids – Dissolved and Suspended)	IS 3025 (Part 15) : 1984, RA 2014	20 mg/l to 20000 mg/l
		Total dissolved solids	IS 3025 (Part 16) : 1984, RA 2012	10 mg/l to 20000 mg/l
		Total suspended solids	IS 3025 (Part 17) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Volatile and fixed residue (Total filterable and non filterable)	IS 3025 (Part 18) : 1984, RA 2012	10 mg/l to 10000 mg/l
		Settleable solids	APHA 23 <sup>rd</sup> Ed. 2540 F	10 mg/l to 10000 mg/l
		Oil & Grease	IS 3025 (Part 39) : 1991, RA 2014	5 mg/l to 1000 mg/l
		Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2009, RA 2014	4 mg/l to 200 mg/l
		Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	4 mg/l to 500 mg/l
		Acidity	IS 3025 (Part 22):1986, RA 2014	5 mg/l to 500 mg/l
		Chloride as Cl	IS 3025 (Part 32) : 1988, RA 2014	2 mg/l to 2000 mg/l
		Dissolved oxygen	IS 3025 (Part 38) : 1989, RA 2014	0.5 mg/l to 10 mg/l
		Calcium as Ca	IS 3025 (Part 40) : 1991, RA 2014	2 mg/l to 800 mg/l
		Biochemical oxygen demand	IS 3025 (Part 44) : 1993, RA 2014	1 mg/l to 50000 mg/l
		Magnesium as Mg	IS 3025 (Part 46) : 1994, RA 2014	1 mg/l to 600 mg/l



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		Carbonate and Bicarbonate	IS 3025 (Part 51) : 2001, RA 2012	4 mg/l to 610 mg/l
		Sulphate	IS 3025 (Part 24) : 1986, RA 2014	1.0 mg/l to 40.0 mg/l
		Sulphide	APHA 23 <sup>rd</sup> Ed. 4500-S2- F	0.4 mg/l to 39.6 mg/l
		Sulphite	IS 3025 (Part 28) : 1986, RA 2014	0.5 mg/l to 300 mg/l
		Phosphorous as P	IS 3025 (Part 31) : 1988, RA 2014	0.1 mg/l to 1.6 mg/l
		Phosphate, PO <sub>4</sub>	IS 3025 (Part 31) : 1988, RA 2014	0.004 mg/l to 2.7 mg/l
		Nitrate as NO <sub>3</sub>	APHA 23 <sup>rd</sup> Ed. 4500-NO <sub>3</sub> -B	0.5 mg/l to 100 mg/l
		Nitrite	APHA 23 <sup>rd</sup> Ed. 4500-NO <sub>2</sub> - B	0.05 mg/l to 10 mg/l
		Ammoniacal nitrogen-NH <sub>3</sub>	APHA 23 <sup>rd</sup> Ed. 4500-NH <sub>3</sub> C	1.12 mg/l to 112 mg/l
		Total Kjeldhal Nitrogen	APHA 23 <sup>rd</sup> Ed.(4500-Norg C)	4 mg/l to 400 mg/l
		Iron as Fe	IS 3025 (Part 53) : 2003, RA 2014 & IS 3025 (Part 2): 2004, RA 2014 : ICP	0.1 mg/l to 0.5 mg/l
		Fluoride as F	APHA 23 <sup>rd</sup> Ed. 4500-F- D	0 mg/l to 1.6 mg/l
		Chemical Oxygen Demand (COD)	APHA 23 <sup>rd</sup> Ed. 5220 D	5 mg/l to 100000 mg/l
		Hexavalent chromium	APHA 23 <sup>rd</sup> Ed. 3500-Cr B	0.1 mg/l to 1.7 mg/l
		Sodium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Potassium	IS 3025 (Part 45) : 1993, RA 2014	1 mg/l to 100 mg/l
		Aluminum	IS 3025 (Part 2): 2004 RA 2014; ICP	0.01 mg/l to 4.792 mg/l
		Barium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.01 mg/l to 0.377 mg/l

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		Boron	IS 3025 (Part 2): 2004, RA 2014; ICP	0.01 mg/l to 5.189 mg/l
		Bismuth	IS 3025 (Part 2): 2004, RA 2014; ICP	0.020 mg/l to 5.000 mg/l
		Cadmium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.002 mg/l to 1.943 mg/l
		Chromium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.406 mg/l
		Cobalt	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 2.340 mg/l
		Copper	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.887 mg/l
		Lead	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 4.717 mg/l
		Lithium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 5.000 mg/l
		Manganese	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.887 mg/l
		Nickel	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 47.170 mg/l
		Strontium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 5.000 mg/l
		Silver	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 5.000 mg/l
		Thallium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.434 mg/l
		Zinc	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 7.076 mg/l
		Arsenic	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.887 mg/l
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		Mercury	IS 3025 (Part 2): 2004, RA 2014; ICP	0.006 mg/l to 5.000 mg/l
		Antimony	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.406 mg/l
		Beryllium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.906 mg/l
		Molybdenum	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 1.830 mg/l
		Vanadium	IS 3025 (Part 2): 2004, RA 2014; ICP	0.010 mg/l to 4.698 mg/l
<b>III.</b>	<b>ATMOSPHERIC POLLUTION</b>			
<b>1.</b>	<b>Ambient Air</b>	Suspended Particulate Matter (SPM)	IS 5182 (Part – 4): 1999 RA 2014	10 µg/m <sup>3</sup> to 2000 µg/m <sup>3</sup>
		Respirable Particulate Matter (PM10)	IS 5182 (Part 23): 2006 RA 2012	5 µg/m <sup>3</sup> to 1000 µg/m <sup>3</sup>
		Fine Particulate Matter (PM 2.5)	SOP/09/6 (issue 03 dt. 12.01.2017)	2 µg/m <sup>3</sup> to 200 µg/m <sup>3</sup>
		Sulphur Di Oxide (SO <sub>2</sub> )	IS 5182 (Part 2): 2001 RA 2012	6 µg/m <sup>3</sup> to 1050 µg/m <sup>3</sup>
		Nitrogen Di-Oxide (NO <sub>2</sub> )	IS 5182 (Part 6): 2006, RA 2012	6 µg/m <sup>3</sup> to 750 µg/m <sup>3</sup>
		Ozone	IS 5182 (Part 9)-1974	0.5 µg/m <sup>3</sup> to 385 µg/m <sup>3</sup>
		Ammonia	Lab SOP/09/8 (issue 03 dt. 12.01.2017)	1.0 µg/m <sup>3</sup> to 540 µg/m <sup>3</sup>
		Lead	SOP/09/9 (issue 03 dt. 12.01.2017) / IS 3025 Part 2 : 2004 (ICP)	0.07 µg/m <sup>3</sup> to 2.0 µg/m <sup>3</sup>

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		Nickel	SOP/09/9 (issue 03 dt. 12.01.2017) / IS 3025 Part 2 : 2004 (ICP)	0.6 ng/m <sup>3</sup> to 25 ng/m <sup>3</sup>
		Arsenic	SOP/09/9 (issue 03 dt. 12.01.2017) / IS 3025 Part 2 : 2004 (ICP)	0.6 ng/m <sup>3</sup> to 10 ng/m <sup>3</sup>
<b>IV.</b>	<b>SOIL &amp; ROCK</b>			
<b>1.</b>	<b>Clays &amp; Soil</b>	Electrical Conductivity (EC)	IS 14767:2000, RA 2016	0.01 mS/cm to 200 mS/cm
		pH	IS 2720 (Part 26): 1987, RA 2016	1 to 14
		Soil moisture	IS 2720 (Part 2) : 1973 RA 2015	0.1 % to 80%
		Calcium carbonate	IS 2720 (Part 23) : 1976, RA 2010	0.1 to 50 (% by mass)
		Specific gravity	IS 2720 (P 3/ Sec 2) :1980, RA 2011	0.1 to 5
		Sodium, available	SOP/12/8 (issue no. 03 dt.12.01.2017)	7.5 kg/ha to 750 kg/ha
		Potassium, available	Lab SOP/12/7 (issue no. 03 dt.12.01.2017)	7.5 kg/ha to 750 kg/ha

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**Certificate Number** TC-6337 *(in lieu of T-1157)* **Page 13 of 14**  
**Validity** 08.10.2017 to 07.10.2019 **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
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**CHEMICAL TESTING**

**AT-SITE**

III.	<b>ATMOSPHERIC POLLUTION</b>			
1.	<b>Noise Level</b>	Ambient Noise Level	Lab SOP/14 (issue 03 dt. 12.01.2017)/ IS 9989- 1981	30 dBA to 135 dBA
2.	<b>Micro-Meteorology</b>	Wind Speed	SOP/13 (issue 03 dt. 12.01.2017)	0 kmph to 100 kmph

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**Anuja Anand**  
 Convenor

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**N. Venkateswaran**  
 Program Director

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**Validity** 08.10.2017 to 07.10.2019

**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
		Wind Direction	SOP/13 (issue 03 dt. 12.01.2017)	1 °to 360 °
		Temperature	SOP/13 (issue 03 dt. 12.01.2017)	0 °C to 60°C
		Relative Humidity	SOP/13 (issue 03 dt. 12.01.2017)	0 to 100%