Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 1 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	

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

CHEMICAL TESTING

I.	WATER			
1.	Ground Water (Raw Water, Bore	Temperature	APHA 23rd EDN:2017 (2550 B)	10 °C to 50 °C
	Well Water, Tube Well Water)	рН	IS 3025 Part 11:1983 (RA 2017)	4.0 to 12.0
		Electrical Conductivity	IS 3025 Part 14:2013/APHA 23rd EDN:2017-2510 B	5 μs/cm to 10000 μs/cm
		Total Solids	IS 3025 (Part 15):1984 (RA 2014)/APHA 23rd EDN:2017. (Method No2540B)	10 mg/l to 10000 mg/l
		Total Dissolved Solids	IS 3025 Part 16:1984 (RA 2017)	10 mg/l to 2500 mg/l
		Acidity as CaCO ₃	APHA 23 rd Edn. (2310B)/ IS 3025 (Part 22):1986 (RA 2014)	5 mg/l to 500 mg/l
		Alkalinity As CaCO ₃	IS 3025 Part 23-1986 (RA 2014)/APHA 23rd EDN:2017 (2320 B)	5 mg/l to 500 mg/l
		Chloride as Cl ⁻	IS 3025 Part 32-1988 (RA 2014)/APHA 23rd EDN:2017 (4500-CI B)	2 mg/l to 1000 mg/l
		Total Suspended Solids	IS 3025:Part 17 1984 (RA 2017)/APHA 23rd EDN:2017 2540 D	2.0 mg/l to 1000 mg/l
		Sulphate as SO4-	IS 3025 Part 24 1986 (RA 2014)/ APHA 23rd EDN:2017 (4500-SO4 E)	2 mg/l to 100 mg/l
		Total Hardness (as CaCO₃)	IS 3025 Part 21:2009 (RA 2014)/APHA 23rd EDN:2017-2340 C	1.0 mg/l to 1000 mg/l

Laboratory SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand Accreditation Standard ISO/IEC 17025: 2005 Page 2 of 15 **Certificate Number** TC-6721

Validity

20.10.2018 to 19.10.2020 Last Amended on --

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Phosphate as P	IS 3025:Part 31 1988 (RA 2014)/APHA 23rd EDN:2017 4500 P-D	0.05 mg/l to 20 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017 (4500- NO3-B/E)/IS 3025:Part 34 1988 (RA 2014) (Cadmium Reduction)	0.1 mg/l to 40 mg/l
		Biological Oxygen Demand (5 Days)	APHA 23 rd Edn:2017(5210-B)	2 mg/l to 500 mg/l
		Biological Oxygen Demand (3 Days)	(RA 2014)	2.0 mg/l to 500 mg/l
		Chemical Oxygen Demand	APHA 23 rd Edn:2017(5220-B) SO-IN-EHS-JMD-TE-008 Issue No. 1, Issue Date 24.11.2017	5.0 mg/l to 1000 mg/l
		Nitrite as NO ²	APHA 23rd EDN:2017 (4500-NO2 B)/IS 3025:1988 Part 34 (colorimetric) (RA 2014)	0.02 mg/l to 10 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium as Mg	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Iron as Fe	IS 3025 Part 53-2003; (RA 2014)	0.02 mg/l to 50 mg/l
		Fluoride as F ⁻	IS 3025 (Part 60):2008 (RA 2013)/APHA 23rd EDN:2017 (4500-F-D/C)	0.1 mg/l to 10 mg/l
		Color	IS 3025 (Part 4):1983; (RA 2017)	5 HZ to 100 HZ
		Calcium Hardness (as CaCO ₃)	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l

LaboratorySGS India Private Limited, 152, New Baradwari Layout Extension,
Sakchi, Jamshedpur, JharkhandAccreditation StandardISO/IEC 17025: 2005Certificate NumberTC-6721Page 3 of 15

Last Amended on --

Validity 20.10.2018 to 19.10.2020

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Magnesium Hardness (as CaCO₃)	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Turbidity	IS 3025 Part 10:1984 (RA 2017)	0.5 NTU to 100 NTU
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 50.0 mg/l
2.	Drinking Water	Temperature	APHA 23rd EDN:2017 (2550B)	10 °C to 50 °C
		рН	IS 3025 Part 11:1983 (RA 2017)	4.0 to 12.0
		Electrical Conductivity	IS 3025 Part 14:2013/APHA 23rd EDN:2017-2510 B	5 µs/cm to 10000 µs/cm
		Total Solids	IS 3025 (Part 15):1984 (Reaff. 2014)/ APHA 23rd EDN:2017. (Method No2540B)	10 mg/l to 10000 mg/l
		Total Dissolved Solids	IS 3025 Part 16:1984 (RA 2017)	10 mg/l to 1500 mg/l
		Acidity (As CaCO ₃)	APHA 23 rd Edn. (2310B)/ IS 3025 (Part 22):1986 (RA 2014)	5 mg/l to 500 mg/l
		Alkalinity (As CaCO₃)	IS 3025 Part 23-1986 (RA 2014)/APHA 23rd EDN:2017 (2320 B)	5 mg/l to 500 mg/l
		Chloride as Cl ⁻	IS 3025 Part 32-1988 (RA 2006)/APHA 23rd EDN:2017 (4500-CI B)	2 mg/l to 1000 mg/l
		Nitrite as NO ²	APHA 23rd EDN:2017 (4500-NO2 B)/IS 3025:1988 Part 34 (colorimetric) (RA 2009)	0.02 mg/l to 10 mg/l
		Sulphate as SO4-	IS 3025 Part 24 1986; (RA 2006)/APHA 23rd EDN:2017 (4500-SO4 E)	2 mg/l to 100 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 4 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Color	IS 3025 (Part 4):1983; (RA 2012)	5 HZ to 100 HZ
		Total Hardness (as CaCO ₃)	IS 3025 Part 21:1983; (RA 2009)/APHA 23rd EDN:2017-2340 C	1.0 mg/l to 1000 mg/l
		Phosphate as P	IS 3025:Part 31 1988 (RA 2009)/APHA 23rd EDN:2017 4500 P-D	0.05 mg/l to 20 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017 (4500-NO3-B/E)/ IS 3025:Part 34 1988 (RA 2014) (Cadmium Reduction)	0.1 mg/l to 40 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3500- Ca B)/IS 3025:Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium as Mg	IS 3025 Part 46-1994; (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Iron as Fe	IS 3025 Part 53-2003; (RA 2014)	0.02 mg/l to 50 mg/l
		Fluoride as F ⁻	IS 3025 (Part-60):2008 (RA 2013)/APHA 23rd EDN:2017 (4500-F-D/C)	0.1 mg/l to 10 mg/l
		Calcium Hardness (as CaCO ₃)	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2009)	1.0 mg/l to 500 mg/l
		Magnesium Hardness (as CaCO₃)	IS 3025 Part 46-1994 (RA 2009)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Turbidity	IS 3025 Part 10:1984 (RA 2006)	0.5 NTU to 100 NTU
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 0.5 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 5 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Industrial Water (Treated Water,	Temperature	APHA 23rd EDN:2017 (2550B)	10 °C to 50 °C
	Process Water, DM Water)	рН	IS 3025 Part 11:1983 (RA 2017)	4.0 to 12.0
		Electrical Conductivity	IS 3025 Part 14:2013/ APHA 23rd EDN:2017-2510 B	5 µs/cm to 10000 µs/cm
		Total Solids	IS 3025 (Part 15):1984 (RA 2014)/APHA 23rd EDN:2017. (Method No2540B)	10 mg/l to 10000 mg/l
		Total Dissolved Solids	IS 3025 Part 16:1984 (RA 2017)	10 mg/l to 2500 mg/l
		Acidity as CaCO₃	APHA 23 rd Edn. (2310B)/ IS 3025 (Part 22) (RA 2014)	5 mg/l to 500 mg/l
		Alkalinity (As CaCO ₃)	IS 3025 Pat 23-1986 (RA 2014)/APHA 23rd EDN:2017 (2320 B)	5 mg/l to 500 mg/l
	-	Chloride as Cl ⁻	IS 3025 Part 32-1988 (RA 2017)/APHA 23rd EDN:2017 (4500-Cl B)	2 mg/l to 1000 mg/l
		Total Suspended Solids	IS 3025:Part 17 1984 (RA 2017)/APHA 23rd EDN:2017 2540 D	2.0 mg/l to 1000 mg/l
		Sulphate as SO4-	IS 3025 Part 24 1986 (RA 2014)/ APHA 23rd EDN:2017 (4500-SO4 E)	2 mg/l to 100 mg/l
		Total Hardness (as CaCO ₃)		1.0 mg/l to 1000 mg/l
		Phosphate as P	IS 3025:Part 31 1988 (RA 2014)/APHA 23rd EDN:2017 4500 P-D	0.05 mg/l to 20 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017:(4500- NO3-B/E)/IS 3025 (Part 34):	0.1 mg/l to 40 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 6 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
			1988 (RA 2014)	
			(Cadmium Reduction)	
		Biological Oxygen Demand (5 Days)	APHA 23 rd Edn:2017(5210-B)	2 mg/l to 500 mg/l
		Biological Oxygen Demand (3 Days)	(RA 2014)	2.0 mg/l to 500 mg/l
		Chemical Oxygen Demand	APHA 23 rd Edn:2017(5220-B) SO-IN-EHS-JMD-TE-008 Issue No. 1, Issue Date 24.11.2017	5.0 mg/l to 1000 mg/l
		Nitrite as NO ²		0.02 mg/l to 10 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3500-Ca B)/ IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium as Mg	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Iron as Fe	IS 3025 Part 53-2003; (RA 2014)	0.02 mg/l to 50 mg/l
		Fluoride as F ⁻	IS 3025 (Part-60):2008 (RA 2013)/APHA 23rd EDN:2017:2012 (4500-F-D/C)	0.1 mg/l to 10 mg/l
		Color	IS 3025 (Part 4):1983; (RA 2017)	5 HZ to 100 HZ
		Calcium Hardness (as CaCO₃)	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium Hardness (as CaCO₃)	IS 3025 Part 46-1994 (RA 2014)/ APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 7 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Turbidity	IS 3025 Part 10:1984 (RA 2017)	0.5 NTU to 100 NTU
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 50.0 mg/l
4.	Swimming Pool Water	Temperature	APHA 23rd EDN:2017. (2550B)	10 °C to 50 °C
		рН	IS 3025 Part 11:1983 (RA 2017)	4.0 to 12.0
		Electrical Conductivity	IS 3025 Part 14:2013/ APHA 23rd EDN:2017-2510 B	
		Total Solids	IS 3025 (Part 15):1984 (RA 2014)/APHA 23rd EDN:2017 (Method No2540B)	10 mg/l to 10000 mg/l
		Total Dissolved Solids	IS 3025 Part 16:1984 (RA 2017)	10 mg/l to 2500 mg/l
		Acidity as CaCO₃	APHA 23 rd Edn. (2310B)/ IS 3025 (Part 22):1986 (RA 2014	5 mg/l to 500 mg/l
		Alkalinity (As CaCO ₃)	IS 3025 Part 23-1986 (RA 2014)/APHA 23rd EDN:2017 (2320 B)	5 mg/l to 500 mg/l
		Chloride as Cl ⁻	IS 3025 Part 32-1988 (RA 2014)/APHA 23rd EDN:2017 (4500-Cl B)	2 mg/l to 1000 mg/l
		Total Suspended Solids	IS 3025:Part 17 1984 (RA 2014)/APHA 23rd EDN:2017 2540 D	2.0 mg/l to 1000 mg/l
		Sulphate as SO4-	IS 3025 Part 24 1986 (RA 2014)/ APHA 23rd EDN:2017 (4500-SO4 E)	2 mg/l to 100 mg/l
		Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 (RA 2014)/APHA 23rd EDN:2017-2340 C	1.0 mg/l to 1000 mg/l

LaboratorySGS India Private Limited, 152, New Baradwari Layout Extension,
Sakchi, Jamshedpur, JharkhandAccreditation StandardISO/IEC 17025: 2005Certificate NumberTC-6721Page 8 of 15

Last Amended on --

Validity 20.10.2018 to 19.10.2020

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Phosphate as P	IS 3025:Part 31 1988 (RA 2014)/APHA 23rd EDN:2017 4500 P-D	0.05 mg/l to 20 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017:(4500- NO3-B/E)/IS 3025:Part 34 (cadmium reduction) 1988 (RA 2014)	0.1 mg/l to 40 mg/l
		Biological Oxygen Demand (5 Days)	APHA 22 Ed-2012(5210-B)	2 mg/l to 500 mg/l
		Biological Oxygen Demand (3 Days)	(RA 2014)	2.0 mg/l to 500 mg/l
		Chemical Oxygen Demand	APHA 23 rd Edn:2017(5220-B) SO-IN-EHS-JMD-TE-008 Issue No. 1, Issue Date 24.11.2017	5.0 mg/l to 1000 mg/l
		Nitrite as NO ²	APHA 23rd EDN:2017 (4500-NO2 B)/IS 3025:1988 Part 34 (RA 2014) (colorimetric)	0.02 mg/l to 10 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Iron as Fe	IS 3025 Part 53-2003; (RA 2014)	0.02 mg/l to 50 mg/l
		Fluoride as F ⁻	IS 3025 (Part 60):2008 (RA 2013)/APHA 23rd EDN:2017:2012 (4500-F-D/C)	0.1 mg/l to 10 mg/l
		Color	IS 3025 (Part 4):1983; (RA 2017)	5 HZ to 100 HZ
		Calcium Hardness (as CaCO₃)	APHA 23rd EDN:2017 (3500-Ca B)/ IS 3025:Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l

Laboratory SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand **Accreditation Standard** ISO/IEC 17025: 2005 **Certificate Number** TC-6721 Page 9 of 15

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Magnesium as Mg	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Magnesium Hardness (as CaCO ₃)	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Turbidity	IS 3025 Part 10:1984 (RA 2017)	0.5 NTU to 100 NTU
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 50.0 mg/l
5.	Surface Water	Temperature	APHA 23rd EDN:2017 (2550B)	10 °C to 50 °C
		рН	IS 3025 Part 11:1983 (RA 2017)	4.0 to 12.0
		Electrical Conductivity	IS 3025 Part 14:2013/APHA 23rd EDN:2017-2510 B	5 µs/cm to 10000 µs/cr
		Total Solids	IS 3025 (Part 15):1984 (RA 2014)/ APHA 23rd EDN:2017 (Method No2540B)	10 mg/l to 10000 mg/l
		Total Dissolved Solids	IS 3025 Part 16:1984 (RA 2017)	10 mg/l to 2500 mg/l
		Acidity as CaCO₃	APHA 23 rd Edn. (2310B)/ IS 3025 (Part 22):1986 (RA 2014)	5 mg/l to 500 mg/l
		Alkalinity (as CaCO ₃)	IS 3025 Part 23-1986 (RA 2014)/APHA 23rd EDN:2017 (2320 B)	5 mg/l to 500 mg/l
		Chloride as Cl ⁻	IS 3025 Part 32-1988 (RA 2014)/APHA 23rd EDN:2017 (4500-CI B)	2 mg/l to 1000 mg/l
		Total Suspended Solids	IS 3025:Part 17 1984 (RA 2017)/APHA 23rd EDN:2017 2540 D	2.0 mg/l to 1000 mg/l

LaboratorySGS India Private Limited, 152, New Baradwari Layout Extension,
Sakchi, Jamshedpur, JharkhandAccreditation StandardISO/IEC 17025: 2005Certificate NumberTC-6721Page 10 of 15

Validity

20.10.2018 to 19.10.2020

Last Amended on --

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Sulphate as SO4-	IS 3025 Part 24 1986 (RA 2014)/ APHA 23rd EDN:2017 (4500-SO4 E)	2 mg/l to 100 mg/l
		Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 (RA 2014)/APHA 23rd EDN:2017-2340 C	1.0 mg/l to 1000 mg/l
		Phosphate as P	IS 3025:Part 31 1988 (RA 2014)/APHA 23rd EDN:2017 4500 P-D	0.05 mg/l to 20 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017 (4500-NO3-B/E)/IS 3025 (Part 34): 1988 (RA 2014) (Cadmium Reduction)	0.1 mg/l to 40 mg/l
			IS 3025 Part 44:1993 (RA 2009)	2 mg/l to 500 mg/l
		Biological Oxygen Demand (3 Days)	APHA 23 rd Edn. (5210-B)/ IS 3025 Part 44:1993 (RA 2014)	2.0 mg/l to 500 mg/l
			APHA 23 rd Edn:2017(5220-B) SO-IN-EHS-JMD-TE-008 Issue No. 1, Issue Date 24.11.2017	
		Nitrite as NO ²	APHA 23rd EDN:2017 (4500-NO2 B)/IS 3025:1988 Part 34 (RA 2014) (colorimetric)	0.02 mg/l to 10 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium as Mg	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand	
Accreditation Standard	ISO/IEC 17025: 2005	
Certificate Number	TC-6721	Page 11 of 15
Validity	20.10.2018 to 19.10.2020	Last Amended on

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Iron as Fe	IS 3025 Part 53-2003; (RA 2014)	0.02 mg/l to 50 mg/l
		Fluoride as F ⁻	IS 3025 (Part 60):2008/ (RA 2013)APHA 23rd EDN:2017:2012 (4500-F-D/C)	0.1 mg/l to 10 mg/l
		Color		5 HZ to 100 HZ
		Calcium Hardness (as CaCO₃)	APHA 23rd EDN:2017 (3500-Ca B)/IS 3025: Part 40:1991 (RA 2014)	1.0 mg/l to 500 mg/l
		Magnesium Hardness (as CaCO ₃)	IS 3025 Part 46-1994 (RA 2014)/APHA 23rd EDN:2017 (3500-Mg B)	1.0 mg/l to 200 mg/l
		Turbidity		0.5 NTU to 100 NTU
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 50.0 mg/l
II.	POLLUTION & ENV	RONMENT		
1.	Liquid Effluent & Waste Water	Dissolved solids	APHA 23rd EDN:2017 2540C/IS 3025(Part 16) (RA 2006)	10 mg/l to 10000 mg/l
		рН	APHA 23rd EDN:2017 (4500 H/B)	4 to 12
		Oil & Grease	APHA 23rd EDN:2017/5520B	2.0 mg/l to 200 mg/l
		Biological Oxygen Demand		2.0 mg/l to 1000 mg/l
		Chemical Oxygen Demand	APHA 23 rd Edn:2017(5220-B) SO-IN-EHS-JMD-TE-008 Issue No. 1, Issue Date 24.11.2017	5.0 mg/l to 10000 mg/l

LaboratorySGS India Private Limited, 152, New Baradwari Layout Extension,
Sakchi, Jamshedpur, JharkhandAccreditation StandardISO/IEC 17025: 2005Certificate NumberTC-6721Page 12 of 15Validity20.10.2018 to 19.10.2020Last Amended on --

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		DO	APHA 23rd EDN:2017 (4500-O-C)	1.0 mg/l to 8.5 mg/l
		(5 Days)	APHA 22 Ed-2012(5210-B)	2 mg/l to 100000 mg/l
		Sulphate as SO ⁴	APHA 23rd EDN:2017 (4500 SO4 E)	2.0 mg/l to 1000 mg/l
		Temperature	APHA 23rd EDN:2017 (2550B)	10 deg C to 200 deg C
		Phosphorous as P	IS 3025:Part 31 1988 (RA 2009)/APHA 23rd EDN:2017 4500 P-D	0.10 mg/l to 20 mg/l
		Phosphte as PO ⁴	IS 3025:Part 31 1988 (RA 2014)/APHA 23rd EDN:2017 4500 P-D	0.25 mg/l to 50 mg/l
		Nitrate as NO ³	APHA 23rd EDN:2017 4500-NO3 E/APHA 23rd EDN:2017 4500-NO3 B)/ IS 3025:Part 34 (RA 2014) (Cadmium Reduction)	0.5 mg/l to 100 mg/l
		Iron as Fe	APHA 23rd EDN:2017 (3120B)	0.02 mg/l to 50 mg/l
		Calcium as Ca	APHA 23rd EDN:2017 (3120B)	1 mg/l to 200 mg/l
		Total Suspended Solids	IS 3025:Part 17 1984 (RA 2017)//APHA 23rd EDN:2017 2540 D	2 mg/l to 10000 mg/l
		Alkalinity (as CaCO ₃)	APHA 23rd EDN:2017 (2320-B)	10 mg/l to 500 mg/l
		Acidity as CaCO₃	APHA 23rd EDN:2017. (2310B)/IS 3025 (Part 22) (RA 2014)	5 mg/l to 200 mg/l
		Fluoride as F ⁻	APHA 23rd EDN:2017 (4500-F-C/D)	0.1 mg/l to 10 mg/l
		Cyanide as CN ⁻	APHA 23rd EDN:2017 (4500-CN-C,E & F)	0.02 mg/l to 50.0 mg/l

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand	
Accreditation Standard	ISO/IEC 17025: 2005	
Certificate Number	TC-6721	Page 13 of 15
Validity	20.10.2018 to 19.10.2020	Last Amended on

SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Solids	APHA 23rd EDN:2017 (2540 B)	5.0 mg/l to 50000 mg/l
		Electrical Conductivity	APHA 23rd EDN:2017 (2510 B)	5.0 µs/cm to 10000 µs/cm
		Chloride as Cl ⁻	APHA 23rd EDN:2017 (4500 CI-B)	2.0 mg/l to 1000 mg/l
		Total Hardness (as CaCO₃)	APHA 23rd EDN:2017 (2340 C)	1.0 mg/l to 1000 mg/l
		Turbidity	APHA 23rd EDN:2017 (2130-B)	0.5 NTU to 100 NTU
		Magnesium as Mg	APHA 23rd EDN:2017 (3120B)	1.0 mg/l to 200 mg/l
III.	ATMOSPHEISC POI	LUTION		
1.	Ambient Air	Sulfur Dioxide (SO ₂)	IS 5182 (Part 2): 2001(RA 2017)	4 μg/m³to 1050 μg/m³
		Oxides of Nitrogen (NO ₂)	IS 5182 (Part 6):2006 (RA 2017)	4 μg/m³ to 1000 μg/m³
		Suspended Particulate Matter (SPM)	IS 5182 (Part 4):1999 (RA 2014)	8 μg/m³to 5000 μg/m³
		Respirable Suspended Particulate Matter (PM ₁₀)	IS 5182 (Part 23):2006: (RA 2017) Cyclonic FlowTechnique	5 μg/m³ to 2000 μg/m³
		PM 2.5	USEPA CFR 40, APPN. L	5 μg/m³ to 200 μg/m³
		Ammonia	Methods for Air sampling and analysis, 3 rd Edn James P Lodge (method no-401)	
		Ozone	Methods for Air sampling and analysis, 3 rd Edn James P Lodge (method no-411)	6 μg/m³ to 19620 μg/m³

Laboratory SGS India Private Limited, 152, New Baradwari Layout External Sakchi, Jamshedpur, Jharkhand			Layout Extension,	
Ace	Accreditation Standard ISO/IEC 17025: 2005			
Certificate Number		TC-6721	TC-6721 Page 14 of	
Validity		20.10.2018 to 19.10	20.10.2018 to 19.10.2020 Last Amended on	
SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Stack emission	Particulate Matter	IS 11255 (Part 1)-1995 (RA 2014)/ IS 11255 (Part 3): 2008 (RA 2013)	5 mg/Nm ³ to 2000 mg/Nm ³
		Sulfur Dioxide	IS 11255 (Part 2): 1985 (RA 2014)	5 mg/Nm ³ to 14,250 mg/Nm ³
		Nitrogen Oxides (NO ₂)	IS 11255 (Part 7): 2005	5 mg/Nm ³ to 2000 mg/Nm ³

Ammonia

(RA 2017)

IS 11255 (Part 6): 1999

5 mg/Nm³ to 500 mg/Nm³

Laboratory	SGS India Private Limited, 152, New Baradwari Layout Extension, Sakchi, Jamshedpur, Jharkhand		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6721	Page 15 of 15	
Validity	20.10.2018 to 19.10.2020	Last Amended on	
	One office Tool		

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

CHEMICAL TESTING

AT SITE				
I.	ATMOSPHERIC POLLUTION		<u> </u>	
1.	Source Noise Level	Noise Level Measurement	IS 7194:1994 (RA 2002)	50 dB to 130 dB
2.	Ambient Noise Level	Noise Level Measurement	IS 9989:1981	50 dB to 130 dB
3.	Stack Emission	Sulfur Dioxide	USEPA-1990 (Method-6C)	1 mg/m ³ to 1906 mg/m ³
	(Flue Gas Analyser)	Nitrogen Oxides (NO _x)	USEPA-2008 (Method-7E)	1 mg/m ³ to 265 mg/m ³
		Carbon Monoxide	USEPA-1994 (Method-10B)	1 mg/m ³ to 11000 mg/m ³
		Oxygen	USEPA-1989 (Method-3A)	0.5 V/V to 25 % V/V