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S. No.	Materials or Products	Component, parameter or	Test Method Specification against	
! !	tested	characteristic tested/ Specific	which tests are performed and/or the	
! !	1 1 1	Test Performed/ Tests or type	techniques/ equipment used	
			•	

CHEMICAL TESTING

	POLLUTION & ENVIRONMENT		T
1.	Hazardous Liquid Waste	Loss on Drying	SOP no.:2.13 Issue No. 01 -30/06/2016 based on standard chemical analysis book by NH surman
i !		Ash Content	l IS 1448 (Part-4) ;1984
! !	;	Water Content by K.F.	USEPA 9000 B (Feb 2007)
:	!	Calorific Value	lS 1448 (Part-6) : 1984
1 1 1	1	Carbon	ASTM D5291-10 (2015)
! ! !	1	Hydrogen	ASTM D5291-10 (2015)
:		Nitrogen	ASTM D5291-10 (2015)
! ! !	! !	Sulphur	ASTM D5291-10 (2015)
2.	Leachate from Hazardous Solid waste	pH	APHA* 4500H+-B, 4-95 to 4-99, 23 rd Ed.2017
! ! ! !	in water medium	Ammonical Nitrogen	APHA 4500-NH3-C, 4-116, 23 rd Ed.,2017
:		Total Phenols (as C ₆ H₅OH)	APHA, 5530-D, 5-52, 23 rd Ed.2017
: :	:	Copper (as Cu)	APHA 3111-Cu-B
:	!		3-20 to 3-21, 23 rd Ed.2017
! ! !	1	Total Chromium	APHA 3111-Cr-B
:		(as Cr)	3-20 to 3-21, 23 rd Ed.2017
		Lead (as Pb)	APHA 3111-Pb-B,
; !	•		3-20 to 3-21, 23 rd Ed.2017
: : :	!	Zinc (as Zn)	APHA 3111-Zn- B, 3-20 to 3-21, 23 rd Ed.2017
! !	: !	Nickel (as Ni)	APHA 3111-Ni- B, 3-20 to 3-21, 23 rd
			7.1. 1.1. C 7 1 1 1 1 D, O LO 10 O L 1, LO

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8. No.	Materials or Products tested	Component, parameter or characteristic tested/ Specific Test Performed/ Tests or type	Test Method Specification against which tests are performed and/or the techniques/ equipment used
		ī !	Ed. 2017
		Arsenic (as As)	APHA 3114-As- B, 3-36 to 3-40, 23 rd Ed.2017
		Mercury (as Hg)	APHA 3112-Hg- B, 3-25 to 3-27, 23 rd Ed.2017
		Cadmium (as Cd)	APHA 3111-Cd- B, 3-20 to 3-21, 23 rd Ed. 2017
		Fluoride (as F)	APHA 4500-F- C, 4-89 to 4-90, 23 rd Ed.2017
		Nitrate (as NO3-N)	APHA 4500-NO3- D, 4-129 to 4-130, 23 rd Ed.2017
3.	Waste Water	рН	APHA* 4500H+-B, 4-95 to 4-99, 23 rd Ed.2017
		Color	APHA 2120 C, 2-7 to 2-8, 23 rd Ed. 2017
		Total Suspended	APHA-2540-D
		Solids (TSS)	2-70 to 2-71, 23rd Ed.2017
		Total Dissolved	APHA 2540-C, 2-69 to 2-70
] 		Solid (TDS)	23 rd Ed. 2017
		Chloride (as CI)	APHA 4500Cl- B, 4-75 to 4-76 23 rd Ed.2017
		Sulphate (as SO₄)	APHA ,4500-SO₄-E ,
		! ! 	4-199 to 4-200, 23rd Ed.2017
! ! ! !		COD	APHA 5220-B, 5-18 to 5-19, 23 rd
! ! ! !		 	Ed.2017
		BOD ₃ at 27 ° C	BIS:3025 (Part 44)
		Oil & Grease	APHA 5520-B, 5-42 to 5-44, 23 rd Ed.2017
	<u> </u>	Ammonical Nitrogen	APHA 4500-NH3-C, 4-116, 23 rd

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		1	Ed.,2017
		Total Phenols (as C ₆ H ₅ OH)	APHA, 5530-D, 5-52, 23 rd Ed.2017
		Sulfide (as S ⁻²)	APHA 4500-S ⁻² -F 4-187 ,23 rd Ed.2017
		Copper (as Cu)	APHA 3111-Cu-B
			3-20 to 3-21, 23 rd Ed.2017
		Total Chromium (as Cr)	APHA 3111-Cr-B
			3-20 to 3-21, 23 rd Ed.2017
I !		Lead (as Pb)	APHA 3111-Pb-B,
		i <u> </u>	3-20 to 3-21, 23 rd Ed.2017
		Zinc (as Zn)	APHA 3111-Zn- B, 3-20 to 3-21, 23 rd
] 		ļ.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ed.2017
		Nickel (as Ni)	APHA 3111-Ni- B, 3-20 to 3-21, 23 rd
			Ed. 2017
		Iron (as Fe)	APHA 3111-Fe- B, 3-20 to 3-21, 23 rd Ed. 2017
] 		Total organic Carbon (TOC)	APAH 5310-B, 5-26 to 5-29, 23 rd
		l	Ed.2017
			į
II.	WATER		
1.	Bore well and Potable water	рН	APHA* 4500H+-B, 4-95 to 4-99, 23 rd Ed.2017
		Color	APHA 2120 C, 2-7 to 2-8, 23 rd Ed. 2017
		Turbidity	APHA-2130-B, 2-13 to 2-15, 23 rd
			Ed.2017
		Conductivity	APHA-2510-B, 2-58 to 2-59, 23 rd
			Ed.2017
		Total Suspended	APHA-2540-D
! !		Solids (TSS)	2-70 to 2-71, 23rd Ed.2017

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		Total Dissolved Solid (TDS)	APHA 2540-C, 2-69 to 2-70 23 rd Ed. 2017
		Chloride (as CI)	APHA 4500Cl- B, 4-75 to 4-76 23 rd Ed.2017
		Sulphate (as SO ₄)	APHA ,4500-SO₄-E , 4-199 to 4-200, 23 rd Ed.2017
		Total Hardness as CaCO3	APHA-2340-C , 2-48 to 2-50, 23 rd Ed.2017
: : : :		COD	APHA 5220-B, 5-18 to 5-19, 23 rd Ed.2017
!	1 		BIS :3025 (part 44)
		Total Organic Carbon (TOC)	APAH 5310-B, 5-26 to 5-29, 23 rd Ed.2017
		Oil & Grease	APHA 5520-B, 5-42 to 5-44, 23 rd Ed.2017
		Ammonical Nitrogen	APHA 4500-NH3-C, 4-116, 23 rd Ed.,2017
	 	Total Phenols	APHA, 5530-D, 5-52, 23 rd Ed.2017
ļ	! ! !	Sulfide (as S ⁻²)	APHA 4500-S ⁻² -F 4-187 , 23 rd Ed.2017
		Copper (as Cu)	APHA 3111-Cu-B 3-20 to 3-21, 23 rd Ed.2017
		Total Chromium (as Cr)	APHA 3111-Cr-B 3-20 to 3-21, 23 rd Ed.2017
; ; ; ; ;		Lead (as Pb)	APHA 3111-Pb-B, 3-20 to 3-21, 23 rd Ed.2017
		Zinc (as Zn)	APHA 3111-Zn- B, 3-20 to 3-21, 23 rd Ed.2017
! ! ! !		Nickel (as Ni)	APHA 3111-Ni- B, 3-20 to 3-21, 23 rd Ed. 2017
 	 	Iron (as Fe)	APHA 3111-Fe- B, 3-20 to 3-21, 23 rd

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			Ed. 2017
III.	ATMOSPHERIC POLLUT	rion	
1.	Ambient Air Quality	RSPM (PM10)	SOP/AIR/001 Issue No. 01 25/01/2018)
		PM-2.5	SOP/AIR/001 (Issue No. 01- Date 25/01/2018 (Gravimetric Method)
	I I I	Sulphur Dioxide (SO ₂)	IS 5182 (Part- 2)-2001
	I I I	Nitrogen Dioxide (NO ₂)	¦ IS 5182 (Part- 6)- 2006
		Ammonia (NH ₃)	SOP/AIR/006 (Issue No. 01- Issue Date 25/01/2018)
		Lead as (Pb)	IS 5182 (Part 22) :2004 Issue No.(01-25/01/2018)
		Nickel as (Ni)	IS 5182 (Part 22) :2004 Issue No.(01-25/01/2018)
		Arsenic as (As)	IS 5182 (Part 22) :2004 Issue No. (01-25/01/2018)
2.	Stack Monitoring	Particulate Matter (PM)	IS 11255 (Part 1): 1985 (RA 1999)
		Sulphur Dioxide (SO ₂)	IS 11255 (Part 2): 1985 (RA 2003)
		Nitrogen Dioxide (NO ₂)	IS 11255 (Part 7): 2005
		Hydrogen Sulfide (H ₂ S)	lS 11255 (Part 4): 1985
	į	Flue gas Velocity	IS 11255 (Part 3): 2008
	į	Flow rate	IS 11255 (Part 3): 2008
		Temperature	IS 11255 (Part 3): 2008
IV.	FERTILIZER		· •
1.	Fertilizer (Compost)	Color	Visually/Qualitative

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:			Physically/Qualitative FCO 1985 Schedule-IV Part A 1 (iv)
!		 	FCO 1985 Schedule-IV Part D (2)
! !	1 	рН	FCO 1985 Schedule-IV Part D (1)
! !	1 	Conductivity	FCO 1985 Schedule-IV Part D (4)
! !	1 	L 	FCO 1985 Schedule-IV Part D (5)
! !			FCO-1985- Schedule -II Part-B 3(v)
!		}	FCO-1985 Schedule-II Part-B 4(ii)
! !		▶	FCO 1985 Schedule-IV Part D (9)
1		L	FCO-1985 Schedule-II Part-B 8 (iv)
		L	FCO-1985 Schedule-II Part-B 8 (v)
<u>:</u>		L	FCO-1985 Schedule-II Part-B 8 (ii)
<u>:</u>		 	FCO-1985 Schedule-II Part-B 8 (x)
<u> </u>		+	FCO 1985 Part D
! !		<u> </u>	FCO 1985 Part D
! !	1 		FCO 1985 Part D
! ! !	 	Mercury as Hg	FCO 1985 Part D
V.	PESTICIDES AND FORMULATION		
1.	Propanil Technical	% Propanil Assay	SOP/P/001
			(01-08-2018) In-house Developed
<u>:</u>			Method
2.	Impurity –I	3,3',4,4'-tetrachloroazobenzene	SOP/P/002
! !	1 	(TCAB) Impurity	(01-08-2018) Inhouse Developed
-			Method
3.	Impurity- II	3,3',4,4'-tetrachloroazoxybenzene	SOP/P/002
!		(TCAOB) Impurity	(01-08-2018) Inhouse Developed
<u> </u>		i .	Method

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