

Liquid Effluent Monitoring Results

Half Yearly Range (July -2021 to December-2021)

Source: Sample taken from inlet to Balancing Pond (KRIBHCO)

Sr. No.	Parameter	Units	GPCB Limits	Results
1	pH		6.5 - 8.5	6.8 - 8.0
2	Suspended Soilds	mg/l	100	12 - 42
3	Oil & Grease	mg/l	10	02 - 06
4	Total Dissolved Solids	mg/l	2100	768 - 2014
5	Phenolic Compounds	mg/l	1.0	NT
6	Shulphides	mg/l	0.5	NT
7	Ammonical Nitrogen	mg/l	50	0.7 - 39.0
8	Total Chromium	mg/l	1.0	NT
9	Hexavalent Chromium	mg/l	0.1	NT
10	BOD(3days at 27 °C)	mg/l	30	02 - 07
11	Chemical Oxygen Demand(COD)	mg/l	100	17 - 42
12	Chlorides	mg/l	600	158 - 430
13	Sulphates	mg/l	1000	177 - 385
14	Temperarure	°C	40	22.0 - 28.0
15	Colour (Pt.Co.Scal)	Unit	100	07 - 13
16	Copper Total	mg/l	1	NT
17	Iron Total	mg/l	1	0.28 - 0.92
18	Zinc	mg/l	1 *	0.81 - 1.53
19	Phosphate	mg/l	5	1.74 - 2.43

Note: There is no discharge from final discharge point of balancing pond (natural lagoon) even in rainy seasons since year 2003 i.e. Zero Liquid Discharge from final outlet of discharge point. IP camera with PAN, TILT, Zoom, 5x focal length with night vision capability and flow meters in channel/drains have been provided.

* The limit for Zinc parameter has been given as 1.0 ppm and request letter for correction in the limit of Zinc parameter as 5.0 ppm has been submitted to GPCB and reply is awaited.

STACK EMISSION MONITORING RESULT

Half Yearly Range (July -2021 to December-2021)

Parameter	FURNACE (PRIMARY REFORMER STACK)			FURNACE (PRIMARY REFORMER STACK)			STEAM BOILER STACK			GAS TURBINE STACK			PRILLING TOWER			
	AMMONIA PLANT-I			AMMONIA PLANT-II									UREA PLANT-I		UREA PLANT-II	
	CO ppm	NO _x mg/Nm ³ at 3% O ₂	SO ₂ ppm	CO ppm	NO _x mg/Nm ³ at 3% O ₂	SO ₂ ppm	CO ppm	NO _x ppm	SO ₂ ppm	CO ppm	NO _x ppm	SO ₂ ppm	PM mg/Nm ³	NH ₃ mg/Nm ³	PM mg/Nm ³	NH ₃ mg/Nm ³
GPCB Limits	100	400	100	100	400	100	100	100	100	100	50	100	50	175	50	175
Minimum	1.0	110	< 5.0	1.0	89	< 5.0	3.0	64.0	< 5.0	5.0	14	< 5.0	27	21	25	21
Maximum	4.0	186	< 5.0	3.0	133	< 5.0	3.0	64.0	< 5.0	9.0	19	< 5.0	39	39	35	38

AMBIENT AIR QUALITY MONITORING RESULTS IN THE VICINITY OF KRIBHCO COMPLEX**Half Yearly Range (July -2021 to December-2021)**

Parameter	GPCB Limit Microgram/M ³	KRIBHCO		HAEP PLANT		BHATALAI VILLAGE		ICHCHAPORE VILLAGE		PIPLOD VILLAGE		DUMAS VILLAGE	
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
PM10	100	40	55	40	54	38	50	33	52	34	50	34	49
PM2.5	60	18	27	17	26	16	22	14	24	15	24	14	22
SO2	80	8	15	8	14	8	14	8	15	8	15	8	15
NOX	80	10	23	10	22	8	18	9	14	9	17	9	17
NH3	400	9	18	8	17	8	16	8	15	7	14	7	15