



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH Aug-2024

A.) AMBIENT AIR QUALITY :

SI No.	LOCATION	Value in microgram/m ³	
		PM ₁₀	PM _{2.5}
	NORM (microgram/m³)	100	60
1.	COMMUNITY CENTRE	51.6	30.2
2.	NALCO CLUB	50.2	31.6
3.	ANALABDI COLONY	48.6	31.8
4.	CISF BARRACK	49.4	34.9
5.	LABORATORY	47.8	37.6
6.	BANDHAGUDA	51.2	33.0
7.	TRANSIT HOUSE	50.3	32.6
8.	RMP	49.6	35.1
9.	ASH POND	53.8	36.8

B.) STACK ANALYSIS REPORT (BOILERS & CALCINERS):

BOILER-1	BOLIER-2	BOILER-3	BOILER-4	BOILER-5	CAL- A	CAL- B	CAL- C	CAL- D
NORM: 100 mg/Nm ³ for Boiler-1,2,3&4 and 50 mg/Nm ³ for Boiler-5					NORM: 50 mg/Nm ³			
91.36	91.54	--	92.0	46.98	24.00	20.00	33.00	14.00

C.) PLANT OUTLET STORM WATER DRAIN QUALITY:

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	7.75
2.	TSS (mg/ltr)	100	65.0
3.	Oil & Grease (mg/ltr)	10	0.49
4.	BOD (mg/ltr)	30	8.23
5.	COD (mg/ltr)	250	36.2

NB: Plant adopts "Zero Discharge" concept