



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH Feb-2025

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	86.8	49.6
2.	NALCO CLUB	80.1	48.2
3.	ANALABDI COLONY	84.2	51.4
4.	CISF BARRACK	81.8	50.6
5.	LABORATORY	82.6	48.2
6.	BANDHAGUDA	80.9	49.2
7.	TRANSIT HOUSE	86.8	49.6
8.	RMP	80.1	48.2
9.	ASH POND	84.2	51.4

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			
--	97.98	96.88	96.27	49.33	28.00	22.00	28.00	26.00

C.) PLANT OUTLET STORM WATER DRAIN QUALITY:

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	7.39
2.	TSS (mg/ltr)	100	79
3.	Oil & Grease (mg/ltr)	10	0.51
4.	BOD (mg/ltr)	30	8.26
5.	COD (mg/ltr)	250	48.9

NB: Plant adopts "Zero Discharge" concept