



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH June-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	53.8	36.2
2.	NALCO CLUB	50.2	36.8
3.	ANALABDI COLONY	51.6	40.6
4.	CISF BARRACK	52.2	39.2
5.	LABORATORY	48.3	40.4
6.	BANDHAGUDA	56.9	34.6
7.	TRANSIT HOUSE	58.2	35.8
8.	RMP	50.6	39.1
9.	ASH POND	60.2	41.4

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			
94.73	94.53	94.88	94.5	--	21.0	29.0	37	17

C.) PLANT OUTLET STORM WATER DRAIN QUALITY:

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	7.79
2.	TSS (mg/ltr)	100	61
3.	Oil & Grease (mg/ltr)	10	0.42
4.	BOD (mg/ltr)	30	7.56
5.	COD (mg/ltr)	250	30.47

NB: Plant adopts "Zero Discharge" concept