



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH May'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	56.3	38.1
2.	NALCO CLUB	52.6	39.7
3.	ANALABDI COLONY	55.8	46.2
4.	CISF BARRACK	55.8	40.4
5.	LABORATORY	49.9	42.8
6.	BANDHAGUDA	60.6	35.1
7.	TRANSIT HOUSE	63.6	37.3
8.	RMP	52.8	42.6
9.	ASH POND	68.2	44.8

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			
94.39	64.22	94.29	95.24	--	19.0	32.0	29	17

C.) PLANT OUTLET STORM WATER DRAIN QUALITY:

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	7.93
2.	TSS (mg/ltr)	100	69
3.	Oil & Grease (mg/ltr)	10	0.48
4.	BOD (mg/ltr)	30	7.74
5.	COD (mg/ltr)	250	35.26

NB: Plant adopts "Zero Discharge" concept