



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH APRIL 2023

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	48.2	31.5
2.	NALCO CLUB	46.8	37.2
3.	ANALABDI COLONY	59.8	38.4
4.	CISF BARRACK	52.1	30.6
5.	LABORATORY	50.3	36.7
6.	BANDHAGUDA	58.2	44.1
7.	TRANSIT HOUSE	56.7	25.5
8.	RMP	77.4	32.8
9.	ASH POND	75.9	46.3

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

BOILER-I	BOILER-2	BOILER-3	BOILER-4	BOILER-5	CALCINER-A	CALCINER-B	CALCINER-C	CALCINER-D
NORM: 100 mg/Nm³					NORM: 50 mg/Nm³			
90.4	89.9	90.38	88.5	-	29	31	29	18

C.) PLANT OUTLET STORM WATER DRAIN QUALITY :

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	6.98
2.	TSS (mg/ltr)	100	31.5
3.	Oil & Grease (mg/ltr)	10	1.06
4.	BOD (mg/ltr)	30	17.8
5.	COD (mg/ltr)	250	29.9

NB: Plant adopts "Zero Discharge" concept