



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH Feb.'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	61.8	34.1
2.	NALCO CLUB	50.0	39.1
3.	ANALABDI COLONY	52.4	40.1
4.	CISF BARRACK	58.6	40.6
5.	LABORATORY	52.4	46.8
6.	BANDHAGUDA	61.8	34.1
7.	TRANSIT HOUSE	64.6	36.6
8.	RMP	49.2	48.6
9.	ASH POND	68.1	41.8

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

BOILER-I	BOLIER-2	BOILER-3	BOILER-4	BOILER-5	CALCINER-A	CALCINER-B	CALCINER-C	CALCINER-D
NORM: 100 mg/Nm³					NORM: 50 mg/Nm³			
-	92.94	94.88	90.72	48.99	21	29	29	17

C.) PLANT OUTLET STORM WATER DRAIN QUALITY :

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	7.81
2.	TSS (mg/ltr)	100	54
3.	Oil & Grease (mg/ltr)	10	0.38
4.	BOD (mg/ltr)	30	7.49
5.	COD (mg/ltr)	250	26.32

NB: Plant adopts "Zero Discharge" concept