



NATIONAL ALUMINIUM COMPANY LIMITED
ALUMINA REFINERY, DAMANJODI
ENVIRONMENTAL PARAMETERS FOR THE MONTH April.'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	53.9	36.8
2.	NALCO CLUB	51.4	40.2
3.	ANALABDI COLONY	54.5	43.6
4.	CISF BARRACK	57.6	41.4
5.	LABORATORY	51.6	45.9
6.	BANDHAGUDA	59.6	33.8
7.	TRANSIT HOUSE	62.4	35.2
8.	RMP	50.8	45.7
9.	ASH POND	64.9	42.0

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			
93.18	93.80	94.93	--	49.15	16.37	35.25	27.89	17.07

C.) PLANT OUTLET STORM WATER DRAIN QUALITY:

SI No.	PARAMETERS	NORM	RESULT
1.	pH	5.5-9.0	8.04
2.	TSS (mg/ltr)	100	63
3.	Oil & Grease (mg/ltr)	10	0.56
4.	BOD (mg/ltr)	30	7.59
5.	COD (mg/ltr)	250	31.83

NB: Plant adopts "Zero Discharge" concept