



**NATIONAL ALUMINIUM COMPANY LIMITED**  
**ALUMINA REFINERY, DAMANJODI**  
ENVIRONMENTAL PARAMETERS FOR THE MONTH July-2024

**A.) AMBIENT AIR QUALITY :**

| SI No. | LOCATION                               | Value in microgram/m <sup>3</sup> |                   |
|--------|----------------------------------------|-----------------------------------|-------------------|
|        |                                        | PM <sub>10</sub>                  | PM <sub>2.5</sub> |
|        | <b>NORM ( microgram/m<sup>3</sup>)</b> | <b>100</b>                        | <b>60</b>         |
| 1.     | COMMUNITY CENTRE                       | 50.8                              | 31.5              |
| 2.     | NALCO CLUB                             | 40.2                              | 31.2              |
| 3.     | ANALABDI COLONY                        | 49.6                              | 32.9              |
| 4.     | CISF BARRACK                           | 50.2                              | 36.8              |
| 5.     | LABORATORY                             | 46.6                              | 38.2              |
| 6.     | BANDHAGUDA                             | 52.4                              | 31.9              |
| 7.     | TRANSIT HOUSE                          | 51.8                              | 32.0              |
| 8.     | RMP                                    | 48.6                              | 36.3              |
| 9.     | ASH POND                               | 55.1                              | 37.1              |

**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 <sup>3</sup> for Boiler-1,2,3&4 and 50 mg/Nm <sup>3</sup> for Boiler-5 |          |          |          |          | NORM: 50 mg/Nm <sup>3</sup> |        |        |        |
| 90.00                                                                                  | 90.75    | --       | 90.57    | 47.03    | 19.00                       | 25.00  | 20.00  | 35.00  |

**C.) PLANT OUTLET STORM WATER DRAIN QUALITY:**

| SI No. | PARAMETERS            | NORM    | RESULT |
|--------|-----------------------|---------|--------|
| 1.     | pH                    | 5.5-9.0 | 7.86   |
| 2.     | TSS (mg/ltr)          | 100     | 68     |
| 3.     | Oil & Grease (mg/ltr) | 10      | 0.45   |
| 4.     | BOD (mg/ltr)          | 30      | 7.89   |
| 5.     | COD (mg/ltr)          | 250     | 34.66  |

*NB: Plant adopts "Zero Discharge" concept*