



**NATIONAL ALUMINIUM COMPANY LIMITED**  
**ALUMINA REFINERY, DAMANJODI**  
ENVIRONMENTAL PARAMETERS FOR THE MONTH Sept-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                       | 50.4                              | 30.8              |
| 2.     | NALCO CLUB                             | 49.6                              | 32.0              |
| 3.     | ANALABDI COLONY                        | 50.2                              | 31.6              |
| 4.     | CISF BARRACK                           | 49.4                              | 35.2              |
| 5.     | LABORATORY                             | 48.8                              | 37.9              |
| 6.     | BANDHAGUDA                             | 51.7                              | 32.4              |
| 7.     | TRANSIT HOUSE                          | 50.4                              | 31.9              |
| 8.     | RMP                                    | 53.2                              | 35.4              |
| 9.     | ASH POND                               | 49.8                              | 36.3              |

**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> |        |        |        |
| 91.67                                                                                  | 91.25    | 91.46    | --       | 46.66    | 26.00                       | 16.00  | 34.00  | 20.00  |

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

| SI No. | PARAMETERS            | NORM    | RESULT |
|--------|-----------------------|---------|--------|
| 1.     | pH                    | 5.5-9.0 | 7.58   |
| 2.     | TSS (mg/ltr)          | 100     | 74.00  |
| 3.     | Oil & Grease (mg/ltr) | 10      | 0.53   |
| 4.     | BOD (mg/ltr)          | 30      | 8.69   |
| 5.     | COD (mg/ltr)          | 250     | 42.7   |

*NB: Plant adopts "Zero Discharge" concept*