

## **Baseline environment data**

➤ The baseline study has been carried out during the study period March-May'2022. The ambient air quality was monitored within 10 km radius. The results obtained are summarized as below:

- PM10: 50.12 to 88.32  $\mu\text{g}/\text{m}^3$ . (Maximum Near Project Site)
- PM2.5: 22.62 to 46.25  $\mu\text{g}/\text{m}^3$  (Maximum Near Project Site)
- SO<sub>2</sub>: 4.31 to 13.63  $\mu\text{g}/\text{m}^3$  (Maximum Near at Project Site)
- NO<sub>X</sub>: 9.15 to 20.28  $\mu\text{g}/\text{m}^3$  (Maximum at Project Site)

The ambient air quality results obtained and found that all recorded values within the applicable limits of residential and rural area limits.

- Baseline noise levels have been monitored using a noise measurement device. Maximum noise level observed during the study period is 64.3 & 50.18 for day and night respectively. The Results shown that the day equivalents and the night equivalents were within the Ambient Noise standards of residential and commercial area standards.
- Water samples in the study area were analyzed for physical and chemical characteristics. Overall, all the ground water samples collected from the study area were found to be fit for human consumption as per IS 10500 drinking water standards.
- There is no notified/protected ecologically sensitive area including forest, national park, sanctuary, Elephant/Tiger reserves existing in the study area.
- The biomedical waste is required to be treated at an approved common treatment facility. It is to be ensured that no untreated biomedical waste shall be kept stored beyond a period of 48 hours.