

SAGAR CEMENTS LIMESTONE MINE- 1 OF SAGAR CEMENTS LIMITED

Pedaveedu Village, Mattampally Mandal, Suryapet District.

AMBIENT AIR QUALITY MONITORING REPORTS (January -March 2024)

Sl No	Location	Near rilling	Near Loading	Near Crusher	Near Dumping	Near Haulage road	Near Secondary Crusher	Near Conveyor TP-1	Near Conveyor TP-2	Near Haulage Rd. Ramp	Near Mines Office	Mattampally Village	Pedaveedu Village	LIMITS	PROTOCOL
		Date of Sampling		20.03.2024		24.03.2024		21.03.24 & 25.03.2024		25.03.2024		25.03.2024 & 21.03.24			
Core zone												Buffer Zone		***	***
1	Total time of monitoring	24 Hours												***	***
2	Average flow rate (cum/min)	1.09	1.13	1.11	1.07	1.10	1.15	1.04	1.12	1.11	1.07	1.02	1.05	***	***
3	Particulate matter concentration ($\mu\text{g}/\text{m}^3$)-PM10	62	69	60	69	66	71	60	69	65	59	55	61	<100	IS-5182 (Part-23)
4	Particulate matter Concentration($\mu\text{g}/\text{m}^3$)-PM2.5	23	27	19	27	25	29	20	26	24	22	19	22	<60	IS-5182 (Part-24)
5	Sulphur dioxide (So2) Concentration($\mu\text{g}/\text{m}^3$)	09	11	12	09	10	08	08	12	12	06	08	12	<80	IS-5182 (Part-2)
6	Nitrogen dioxide (No2) Concentration($\mu\text{g}/\text{m}^3$)	18	23	24	19	20	21	18	25	25	15	18	24	<80	IS-5182 (Part-6)
7	CO Concentration (ppm)	<1	<1	-	-	<1	-	-	-	-	<1	<1	<1	<2	IS-5182 (Part-10)