

SAGAR CEMENTS LIMESTONE MINE- 1 OF SAGAR CEMENTS LIMITED

Pedaveedu Village, Mattampally Mandal, Suryapet District.

AMBIENT AIR QUALITY MONITORING REPORTS (April - June, 2023)

Sl No	Location	Near Drilling	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
		23.06.2023		21.06.2023		23.06.2023 & 22.06.23		22.06.2023		22.06.2023 & 23.06.2023		24.06.2023		***	***
Core zone												Buffer Zone			
1	Total time of monitoring	24 Hours												***	***
2	Average flow rate (cum/min)	1.04	1.15	1.05	1.08	1.07	1.07	1.09	1.11	1.13	1.12	1.05	1.09	***	***
3	Particulate matter concentration ($\mu\text{g}/\text{m}^3$)-PM10	60	74	69	71	62	66	72	78	62	55	57	63	<100	IS-5182 (Part-23)
4	Particulate matter Concentration($\mu\text{g}/\text{m}^3$)-PM2.5	22	30	26	28	24	26	27	32	23	18	19	22	<60	IS-5182 (Part-24)
5	Sulphur dioxide (So2) Concentration($\mu\text{g}/\text{m}^3$)	06	11	08	11	12	12	09	12	10	08	08	12	<80	IS-5182 (Part-2)
6	Nitrogen dioxide (No2) Concentration($\mu\text{g}/\text{m}^3$)	17	22	20	23	26	24	19	24	21	19	20	24	<80	IS-5182 (Part-6)
7	CO Concentration (ppm)	<1	<1	-	-	<1	-	-	-	-	<1	<1	<1	<2	IS-5182 (Part-10)