

SAGAR CEMENTS LIMESTONE MINE- 1 OF SAGAR CEMENTS LIMITED

Pedaveedu Village, Mattampally Mandal, Suryapet District.

AMBIENT AIR QUALITY MONITORING REPORTS (October - December 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
		20.12.2023		24.12.2023		20.12.2023 & 25.12.2023		25.12.2023		25.12.2023 & 20.12.2023		21.12.2023		***	***
Date of Sampling		Core zone										Buffer Zone			
1	Total time of monitoring	24 Hours												***	***
2	Average flow rate (cum/min)	1.11	1.06	1.04	1.10	1.04	1.07	1.02	1.14	1.04	1.09	1.04	1.07	***	***
3	Particulate matter concentration ($\mu\text{g}/\text{m}^3$)-PM10	68	74	63	65	63	68	64	72	61	57	50	57	<100	IS-5182 (Part-23)
4	Particulate matter Concentration($\mu\text{g}/\text{m}^3$)-PM2.5	26	31	21	24	23	27	22	28	22	20	15	18	<60	IS-5182 (Part-24)
5	Sulphur dioxide (So2) Concentration($\mu\text{g}/\text{m}^3$)	10	14	08	10	12	07	09	10	11	07	06	08	<80	IS-5182 (Part-2)
6	Nitrogen dioxide (No2) Concentration($\mu\text{g}/\text{m}^3$)	22	26	18	20	22	19	20	23	23	16	16	18	<80	IS-5182 (Part-6)
7	CO Concentration (ppm)	<1	<1	-	-	<1	-	-	-	-	<1	<1	<1	<2	IS-5182 (Part-10)