

SAGAR CEMENTS LIMESTONE MINE- 1 OF SAGAR CEMENTS LIMITED

Pedaveedu Village, Mattampally Mandal, Suryapet District.

AMBIENT AIR QUALITY MONITORING REPORTS (October - December. 2021)

Sl No	Location	Near Drilling	Near Loading	Near Crusher	Near Dumping	Near Haulage road	Near Conveyor Transfer Point-1	Near Conveyor Transfer Point-2	Near Haulage Rd. Ramp	Near Mines Office	Mattampally Village	Pedaveedu Village	LIMITS	PROTOCOL	
		17.12.2021		17.12.2021		17.12.2021	22.12.2021		22.12.21	17.12.21	18.12.2021		***	***	
Date of Sampling		Core zone										Buffer Zone			
1	Total time of monitoring	24 Hours										***	***		
2	Average flow rate (cum/min)	1.12	1.08	1.04	1.11	1.06	1.10	1.14	1.11	1.13	1.07	1.14	***	***	
3	Particulate matter concentration ($\mu\text{g}/\text{m}^3$)-PM10	66	72	68	60	62	68	76	69	54	64	69	<100	IS-5182 (Part-23)	
4	Particulate matter Concentration($\mu\text{g}/\text{m}^3$)-PM2.	25	27	26	22	23	26	29	26	21	24	26	<60	NAAQMS/36/2012-13	
5	Sulphur dioxide (So2) Concentration($\mu\text{g}/\text{m}^3$)	08	12	11	13	09	09	13	07	11	10	13	<80	IS-5182 (Part-2)	
6	Nitrogen dioxide (No2) Concentration($\mu\text{g}/\text{m}^3$)	19	23	20	23	16	22	25	18	20	22	25	<80	IS-5182 (Part-6)	
7	CO Concentration (ppm)	<1	<1	-	-	<1	-	-	-	<1	<1	<1	<2	IS-5182 (Part-10)	