

**Physical Data of Gagrana Limestone Mines, of M/s Mangalam Cement Ltd.
Village Gagrana , Tehsil –Merta City ,Distt Nagour (Raj)**

S. No.	Item	Description
1	Mining lease Area	200 Hectors
2	Limestone Production (During 2024-2025 up to 31 st Dec.)	43714.67Tons
3	Lease Duration (After Govt. Ordinance 2015)	22.10.1982 to 21.10.2032
4	Date of commencement of Work	1st January ,1983

**Quality of Tube Well water in & around Gagrana Limestone Mines.
Date of Monitoring : 08.11.2024**

Parameters	Unit	Gokul ram Jat Tube Well , Village-Gagrana	Govind singh Tube Well , Village-Gagrana	Manga ram Tube Well , Village-Gagrana	Saddik Khan Tube Well , Village-Gagrana
pH		7.41	7.19	7.57	7.28
Total Hardness as CaCO3	Mg/Li	568.0	560.0	572.0	560.0
Total Alkalinity	Mg/Li	360.0	364.0	368.0	360.0
Total Dissolved Solids	Mg/Li	1822.0	1838.0	1844.0	1852.0
Sulphate as SO4	Mg/Li	215.9	257.2	201.2	198.2
Nitrates as NO3	Mg/Li	9.5	9.1	9.9	9.20
Chloride as Cl	Mg/Li	825.0	795.0	815.0	785.0

Ambient Air Quality Report with in Core and Buffer Zone of Gagrana Limestone Mines, Gagrana Date of Monitoring :08.11.2024 - 09.11.2024

S. No.	Location of Monitoring Station	SPM µg/m3	PM2.5 µg/m3	PM10 µg/m3	SO2 µg/m3	NOX µg/m3
Core Zone :						
1	Mangi Ki Mangri	326.45	33.58	65.39	9.36	12.88
2	Near Anicut (Banddha)	315.53	32.20	56.38	9.17	11.41
3	Mine Working Pit (Current)	360.62	31.62	62.89	8.76	11.27
4	Mine Working Area Block-A	337.39	28.61	58.88	8.05	10.53
Buffer Zone :						
5	Bitan Village	338.45	32.0	63.66	8.25	13.0
6	Basni Seja Village	362.36	29.22	61.48	10.01	12.87
7	Gagrana Village	408.43	31.09	68.95	12.37	14.15
8	Ghantiya Village	352.07	35.04	64.82	9.92	12.16

Details of Plantation of last 9-year within & Out Side Mining Lease area

Year	No. of sapling Planted	Rate of Survival %	species
2016-17	150	53	Neem, Karanj, Khejdi, Subabool, Peepal ,Bad, Amwala, Jal, Jangal Jalebi etc.
2017-18	300	51	
2018-19	250	51	
2019-20	250	50	
2020-21	250	62	
2021-22	250	60	
2022-23	250	57.8	
2023-24	300	64.0	
2024-25	250	Under Progress	

Dec-2024