

**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 2025-2026 up to 31 st Dec.)	48582.36 Tons
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 : 05.12.2025**

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		7.44	7.35	7.22	7.29
Total Hardness as CaCO ₃	Mg/Li	576.0	572.0	572.0	564.0
Total Alkalinity	Mg/Li	368.0	372.0	376.0	360.0
Total Dissolved Solids	Mg/Li	1998	1888	1882	1878
Sulphate as SO ₄	Mg/Li	224.20	266.20	214.80	202.60
Nitrates as NO ₃	Mg/Li	10.10	10.40	10.70	10.30
Chloride as Cl	Mg/Li	820.0	795.0	815.0	785.0

**Ambient Air Quality Report with in Core and Buffer Zone of Gagrana Limestone
Mines, Gagrana Date of Monitoring :04.12.2025 - 05.12.2025**

S. No.	Location of Monitoring Station	SPM µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³		SO ₂ µg/m ³	NO _x µg/m ³
	Core Zone :						
1	Mangi Ki Mangri	350.19	38.25	70.48		10.97	14.34
2	Near Anicut (Banddha)	341.05	42.98	66.74		11.73	14.62
3	Mine Working Pit (Current)	377.25	40.47	73.17		12.46	13.13
4	Mine Working Area Block-A	352.43	37.93	66.97		10.54	14.06
	Buffer Zone :						
5	Bitan Village	357.64	39.71	72.28		12.09	13.93
6	Basni Seja Village	375.31	37.08	69.69		12.35	12.94
7	Gagrana Village	429.79	40.34	73.20		13.03	15.74
8	Ghantiya Village	349.43	39.35	70.16		10.97	13.64

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	62.0	
2025-26	500	Under Observation	