

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

S. No.	Item	Description
1	Mining lease Area	200 Hectors
2	Limestone Production (During 2024-2025)	48,899.36 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 : 12.05.2025**

Parameters	Unit	Gokul ram Jat Tube Well , Village-Gagrana	Govind singh Tube Well , Village-Gagrana	Manga Ramji Tube Well , Village-Gagrana	Saddik Khan Tube Well , Village-Gagrana
pH		7.57	7.22	7.46	7.34
Total Hardness as CaCO3	Mg/Li	584	572	580	572
Total Alkalinity	Mg/Li	372	376	378	370
Total Dissolved Solids	Mg/Li	1902	1890	1890	1898
Sulphate as SO4	Mg/Li	225.7	266.4	212.8	208.6
Nitrates as NO3	Mg/Li	10.8	10.5	11.0	10.3
Chloride as Cl	Mg/Li	835	805	820	795

**Ambient Air Quality Report with in Core and Buffer Zone of Gagrana Limestone
Mines, Gagrana Date of Monitoring :12.05.2025 - 13.05.2025**

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	338.58	35.99	67.77	9.59	13.31
2	Near Anicut (Banddha)	327.77	34.90	61.09	10.32	12.55
3	Mine Working Pit (Current)	369.29	36.84	68.90	9.28	11.89
4	Mine Working Block -A	344.56	34.61	64.10	8.40	11.36
	Buffer Zone:					
5	Bitan Village	343.11	34.68	68.93	8.83	12.39
6	Basni Seja Village	376.15	30.10	64.97	11.18	13.45
7	Gagrana Village	416.69	35.85	70.12	13.38	14.88
8	Ghantiya Village	364.89	35.92	67.76	10.26	13.26

Details of Plantation of last 7-year within & Out Side Mining Lease area

Year	No. of sapling Planted	Rate of Survival %	species
2018-19	250	51	Neem, Karanj, Subabool, Peepal ,Bad, Amwala, Jal, Jangal Jalebi Karanj etc.
2019-20	250	50	
2020-21	250	55	
2021-22	250	63	
2022-23	250	61	
2023-24	250	64	
2024-25	250	66	

June-25