

**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 2021-2022)	32629.57 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 : 24.05.2021**

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		7.26	7.21	7.25	7.39
Total Hardness as CaCO ₃	Mg/Li	552	536	520	504
Total Alkalinity	Mg/Li	276	320	288	240
Total Dissolved Solids	Mg/Li	1928	1908	1970	1890
Sulphate as SO ₄	Mg/Li	204	273.4	193.8	193.8
Nitrates as NO ₃	Mg/Li	8.7	5.5	8.3	5.5
Chloride as Cl	Mg/Li	850	805	790	755

**Ambient Air Quality Report with in Core and Buffer Zone of Gagrana Limestone
Mines, Gagrana Date of Monitoring :24.05.2021 - 30.05.2021**

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
1	Core Zone :					
2	Mangi Ki Mangri	379.84	40.78	75.98	12.45	16.24
3	Near Anicut (Banddha)	340.48	39.08	73.13	12.98	17.63
4	Mine Working Pit (Current)	384.13	45.20	77.71	12.60	17.56
	Mine Woprking Block -A	347.81	41.52	77.89	12.96	17.60
	Buffer Zone					
5	Bitan Village	336.6	41.52	79.61	11.96	16.42
6	Basni Seja Village	375.15	43.67	77.21	11.86	15.12
7	Gagrana Village	327.91	42.51	74.40	12.21	17.10
8	Ghantiya Village	341.79	45.10	80.28	11.58	17.91

Details of Plantation of last 5-year within & Out Side Mining Lease area

Year	No. of sapling Planted	Rate of Survival %	species
2016-17	150	53	Neem, Karanj, Subabool, Peepal, Bad, Amwala, Jal, Jangal Jalebi Karanj etc.
2017-18	300	51	
2018-19	250	51	
2019-20	250	50	
2020-21	250	55	
2021-22	Under Progress		