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 up to 31st Dec)	32104.16 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 : 18.11.2021

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		7.25	7.24	7.32	7.37
Total Hardness as CaCO3	Mg/Li	504	484	480	460
Total Alkalinity	Mg/Li	280	296	260	228
Total Dissolved Solids	Mg/Li	1738	1752	1784	1734
Sulphate as SO4	Mg/Li	173.5	234.7	158.1	142.8
Nitrates as NO3	Mg/Li	6.9	5.5	7.7	5.1
Chloride as Cl	Mg/Li	798	768	754	726

Ambient Air Quality Report with in Core and Buffer Zone of Gagrana Limestone Mines, Gagrana Date of Monitoring :17.11.2021 - 18.11.2021

S. No.	Location of Monitoring Station	SPM µg/m3	PM2.5 µg/m3	PM10 µg/m3	SO2 µg/m3	NOX µg/m3
1	**Core Zone :**					
2	Mangi Ki Mangri	376.0	38.92	76.61	10.28	16.39
3	Near Anicut (Banddha)	337.78	37.90	70.99	11.68	16.49
4	Mine Working Pit (Current)	344.57	40.26	75.79	11.30	16.42
	Mine Woprking Block -A	383.97	42.87	76.25	11.98	16.07
	Buffer Zone :					
5	Bitan Village	334.12	40.01	77.64	10.56	15.54
6	Basni Seja Village	374.60	44.03	75.23	11.96	13.69
7	Gagrana Village	333.87	41.61	77.13	10.65	17.24
8	Ghantiya Village	338.54	44.03	78.17	10.63	16.42

Details of Plantation of last 3-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	170 (up to Dec)	Under Progress	

Dec-2021