

ULTRA TECH CEMENT LIMITED HIRMI CEMENT WORKS

Monitoring Report

1. Name of the Location : **Paraswani Limestone Mines
(Captive Mine Division)**

2. Date of Monitoring : **19.11.09 & 21.11.2009**

Static information

- a) Mines Lease Area : **997.355 Hectares**
b) Production : **4.2 Million Tonnes/Annum**
c) Lease Duration : **20 years (22.02.1993-21.02.2013)**
d) Date of commencement of work : **1st April 1993**

Dynamic information

(i) Ambient air quality monitored data

S.No.	Location	Concentration in ($\mu\text{g}/\text{m}^3$)		
		SPM	RSPM	NO _x
1.	Mines Office	325	94	21
2.	Loading	363	92	16
3.	Substation	254	58	18
4.	Lst crusher	351	87	23

(ii) Vibration due to blasting (Peak Particle velocity)

Peak particle velocity measured at 300 mtr. is 5.16 mm/s .

(iii) Quality of discharge water:

No water discharge is being done from mines, however major quantity of water is being supplied to plant & captive power plant for industrial purpose. The analysis results are as under:-

S.No	Parameters	Concentration
1.	TDS (mg/l)	145.14
2.	DO (mg/l) at 29 ^o C	5.97
3.	pH	8.49
4.	Total Suspended Solids (mg/l)	33.35

(iv) Greenbelt/Plantation

S.No.	Calendar Year	No. of trees planted	Area Covered (Hectares)
1.	1992	37479	3.18
2.	1993	17084	1.45
3.	1994	44410	3.86
4.	1995	37000	3.14
5.	1996	43036	3.65
6.	1997	31040	2.70
7.	1998	56460	5.13
8.	1999	44056	3.77
9.	2000	38138	3.23
10.	2001	22280	2.03
11.	2002	28867	2.45
12.	2003	23950	2.03
13.	2004	14195	1.20
14.	2005	37918	3.21
15.	2006	9605	0.84
16.	2007	14800	1.25

17.	2008	44446	4.03
18.	2009	11360	4.54
Total		556124	51.69