

Chettinad Cement Corporation Private Limited - Sendurai Limestone Mine													
Sendura Village , Ariyalur District, Tamilnadu													
Ambiant Air Quality Monitoring- Consolidated Report (Apr '17 - Sep '17)													
S.No	Location	PM ₁₀ (µg/m ³)			PM _{2.5} (µg/m ³)			SO ₂ (µg/m ³)			NOx (µg/m ³)		
		Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	Pudupalayam Mine -Southwest	36	24	31.2	18	11	14.0	10	7	8.5	12	7	10.2
2	Loading Area - Northeast	51	33	43.2	24	16	20.3	11	9	10.2	14	11	13.0
3	Haul road -Northwest	46	29	37.2	21	14	17.3	13	9	11.0	16	12	14.3
4	Dump Yard -South	29	19	23.3	14	9	11.0	7	6	6.5	8	6	6.8
Norm		100 µg/m ³			60 µg/m ³			80 µg/m ³			80 µg/m ³		

for Chettinad Cement Corporation Private Limited

M Sundaramoorthy
Joint President (Works)

Chettinad Cement Corporation Private Limited - Sendurai Limestone Mine								
Sendurai Village , Sendurai Taluk & District, Tamilnadu								
Noise Level Monitoring- Consolidated Report (Apr '17 to Sep '17)								
S.No	Location	UoM	Day			Night		
			L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
Within the Premises								
1	Sendurai Mine - Near Boundary	dB(A)	42.5	49.1	52.6	45.3	55.0	60.8
2	Loading Area	dB(A)	58.3	64.3	70.2	43.8	55.2	63.7
3	Haul Road	dB(A)	50.6	56.8	61.6	48.6	56.8	65.7
Limit (L _{eq})		dB(A)	75			70		
S.No	Location	UoM	Day			Night		
			L _{min}	L _{eq}	L _{max}	L _{min}	L _{eq}	L _{max}
Outside the Premises								
1	Sendurai Village	dB(A)	40.1	45.5	50.7	38.7	40.1	41.2
2	Maruvathur Village	dB(A)	40.5	46.6	51.8	36.8	39.7	41.8
3	Unjini Village	dB(A)	40.5	42.5	45.7	39.2	40.3	41.9
4	Royampuram Village	dB(A)	40.9	43.4	47.8	40.5	41.3	42.5
Limit (L _{eq})		dB(A)	55			45		

for Chettinad Cement Corporation Private Limited

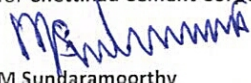


M Sundaramoorthy
Joint President (Works)

Chettinad Cement Corporation Private Limited - Sendurai Limestone Mine											
Sendurai Village, Ariyalur District, Tamilnadu											
Ground Water Quality Monitoring Report(Apr '17 to Sep '17)											
S.No	Parameter	UoM	GW 1		GW 2		GW 3		GW 4		Limit
			May '17	Aug '17	May '17	Aug '17	May '17	Aug '17	May '17	Aug '17	
1	pH	-	7.7	7.2	7.4	7.7	7.9	7.4	7.6	7.8	5.5 - 9.0
2	Temperature	Deg C	27	26	27	29	28	27	28	27	40
3	Particle size for TSS	-	100%	100%	100%	100%	100%	100%	100%	100%	Shall pass 850 micron IS Sieve
4	TSS	mg/l	1.4	1.2	2.1	1.7	1.4	1.3	1.4	1.6	100
5	TDS	mg/l	470	440	380	360	410	420	340	330	2100
6	Chloride as Cl	mg/l	132	90	98	88	70	40	52	11	1000
7	Sulphide as S	mg/l	0.2	0.1	3	0.1	0.2	0.2	0.13	0.1	2
8	Sulphate as SO ₄	mg/l	31	20	82	70	88	82	79	71	1000
9	Fluoride as F	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
10	Sodium	%	42	28	42	38	24	23	29	23	-
11	Copper	mg/l	0.03	0.02	0.03	0.02	0.05	0.02	0.04	0.05	3
12	Zinc as Zn	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1
13	Phenolic compounds as C ₆ H ₅ OH	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1
14	Oil & Grease	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	10
15	Boron as B	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
16	BOD 3 days 27°C	mg/l	0.2	0.3	0.1	0.3	0.2	0.3	0.4	0.5	30
17	COD	mg/l	8	8	6	4	3	2	4	2	250
18	Total Residual Chlorine	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	1
19	Arsenic as As	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2
20	Cadmium as Cd	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
21	Total Chromium as Cr	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
22	Hexavalent Chromium	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.1
23	Lead as Pb	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.1
24	Selenium as se	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.05
25	Mercury as Hg	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.01
26	Pesticides	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	---
27	Free Ammonia as NH ₃	mg/l	0.2	0.1	0.2	0.1	0.2	0.3	0.2	0.2	5
28	Dissolved Phosphate as P	mg/l	0.04	0.02	0.01	0.01	0.04	0.01	0.01	0.02	5
29	Total Kieldahl Nitrogen as N	mg/l	11.0	13.6	11.8	12.3	13.5	14.5	12.3	11.4	100
30	Cyanide as CN	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.2
31	Nickel as Ni	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	3
GW 1 : Sendurai Village					GW 4 : Agaram Village						
GW 2 : Viluppanankurichi Village											
GW 3 : Nallampalayam Village											

BDL : Below Detectable Level

for Chettinad Cement Corporation Private Limited


M Sundaramoorthy
Joint President (Ward)