

ENVIRONMENTAL MONITORING REPORT

FOR

M/s. ALATGE STONE CRUSHING INDUSTRIES

SITE: DANDA-BAGMANDLA-SAIGAON

TAL: SHRIWARDHAN: DIST- RAIGAD

(FIRST- QUARTER)

MONTH – MARCH, APRIL, MAY -2015

PREPARED BY



KLEAN LABOTATORIES & RESEARCH (P) LTD.

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Vide Gazette notification of India S. No. 264 (E) Dtd. February 13, 2012 valid up to 2017.

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ANNEXTURE I

ANALYSIS REPORT OF AMBIENT AIR MONITORING

Sr. No.	MONITORING DETAILS	EQUIPMENT USED	REMARK
1	Ambient Air Monitoring	Low Flow Air Sampler	
		Or	
1.	Core Zone	Fine Dust Air Sampler	
A	Haulage Road		
B	Mining Pit		
2.	Buffer Zone		
A	Saigaon Village		
B	Kolmandale Village		
C	Danda Village		
D	Harihareshwar Temple		





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ANALYSIS REPORT

ALATGE STONE CRUSHING INDUSTRIES									
DANDA- BAGMANDLA- SAIGAON BAUXITE MINE									
Station: Haulage Road (Near Core Zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 ($\mu\text{g}/\text{m}^3$)	RSPM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Lead ($\mu\text{g}/\text{m}^3$)
1	March-2015.	1503/2254(A)	05/03/2015	76.32	17.23	9.71	6.21	BDL	BDL
2		1503/2266(A)	13/03/2015	73.79	14.85	6.58	3.20	BDL	BDL
3		1503/2084(A)	24/03/2015	71.54	16.70	7.32	2.89	BDL	BDL
4		1503/2080(A)	26/03/2015	74.13	14.89	9.10	3.00	BDL	BDL
1	April-2015.	1504/2587(A)	03/04/2015	73.67	16.19	7.80	3.89	BDL	BDL
2		1504/2588(A)	13/04/2015	71.30	13.79	4.36	1.63	BDL	BDL
3		1504/2589(A)	20/04/2015	73.01	14.68	6.17	1.90	BDL	BDL
4		1504/2590(A)	25/04/2015	72.68	16.23	7.76	2.87	BDL	BDL
1	May-2015.	1505/3742	08/05/2015	75.60	12.78	8.36	1.70	BDL	BDL
2		1505/3763	14/05/2015	73.14	16.47	6.18	1.30	BDL	BDL
3		1505/3784	22/05/2015	74.21	17.40	3.87	1.53	BDL	BDL
4		1505/3804(A)	28/05/2015	76.23	14.78	6.98	1.56	BDL	BDL
	Avg.	-	-	73.80	15.50	7.01	2.64	-	-
	Min.	-	-	73.01	12.78	3.87	1.30	-	-
	Max.	-	-	73.67	17.40	9.71	6.21	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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ANALYSIS REPORT

ALATGE STONE CRUSHING INDUSTRIES									
DANDA- BAGMANDLA- SAIGAON BAUXITE MINE									
Station: Mining Pit (Near Core zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 (µg/m ³)	RSPM-2.5 (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	Lead (µg/m ³)
1	March-2015.	1503/2254(B)	05/03/2015	73.17	13.79	8.32	6.10	BDL	BDL
2		1503/2266(B)	13/03/2015	71.35	12.47	9.63	3.87	BDL	BDL
3		1503/2084(B)	24/03/2015	73.61	14.84	8.67	2.59	BDL	BDL
4		1503/2080(B)	26/03/2015	71.15	12.57	5.38	1.29	BDL	BDL
1	April-2015.	1504/2587(B)	03/04/2015	70.46	16.13	9.42	2.17	BDL	BDL
2		1504/2588(B)	13/04/2015	73.31	13.16	7.35	1.80	BDL	BDL
3		1504/2589(B)	20/04/2015	70.87	17.12	7.98	1.76	BDL	BDL
4		1504/2590(B)	25/04/2015	68.10	15.38	7.12	1.70	BDL	BDL
1	May-2015.	1505/3743	08/05/2015	74.20	14.76	6.89	1.50	BDL	BDL
2		1505/3764	14/05/2015	74.11	14.67	7.13	1.42	BDL	BDL
3		1505/3785	22/05/2015	72.56	18.52	8.43	1.37	BDL	BDL
4		1505/3804(B)	28/05/2015	70.14	16.23	8.16	2.62	BDL	BDL
	Avg.	-	-	71.91	14.97	7.87	2.34	-	-
	Min.	-	-	68.10	12.47	5.38	1.29	-	-
	Max.	-	-	74.20	18.52	9.63	6.10	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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ALATGE STONE CRUSHING INDUSTRIES									
DANDA- BAGMANDLA- SAIGAON BAUXITE MINE									
Station: Saigaon Village (Near Buffer Zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 ($\mu\text{g}/\text{m}^3$)	RSPM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)	Lead ($\mu\text{g}/\text{m}^3$)
1	March-2015.	1503/2254(C)	05/03/2015	68.69	10.37	9.46	4.87	BDL	BDL
2		1503/2266(C)	13/03/2015	64.57	11.83	7.41	2.65	BDL	BDL
3		1503/2084(C)	24/03/2015	67.48	13.28	5.89	1.79	BDL	BDL
4		1503/2080(C)	26/03/2015	62.67	15.23	6.28	1.61	BDL	BDL
1	April-2015.	1504/2587(C)	03/04/2015	66.70	12.65	6.29	2.32	BDL	BDL
2		1504/2588(C)	13/04/2015	67.36	12.23	9.23	0.89	BDL	BDL
3		1504/2589(C)	20/04/2015	64.12	14.31	8.10	1.54	BDL	BDL
4		1504/2590(C)	25/04/2015	67.25	13.78	7.10	1.45	BDL	BDL
1	May-2015.	1505/3744	08/05/2015	69.65	19.54	8.10	0.70	BDL	BDL
2		1505/3765	14/05/2015	62.67	16.12	8.54	1.41	BDL	BDL
3		1505/3786	22/05/2015	68.46	12.85	9.14	1.90	BDL	BDL
4		1505/3804(C)	28/05/2015	59.76	18.46	6.19	1.60	BDL	BDL
	Avg.	-	-	65.51	14.60	7.47	1.62	-	-
	Min.	-	-	59.76	11.83	6.19	0.89	-	-
	Max.	-	-	69.65	16.12	9.23	2.65	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT


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ALATGE STONE CRUSHING INDUSTRIES									
DANDA- BAGMANDLA- SAIGAON BAUXITE MINE									
Station: Kolmandle Village (Near Buffer Zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 ($\mu\text{g}/\text{m}^3$)	RSPM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)	Lead ($\mu\text{g}/\text{m}^3$)
1	March-2015.	1503/2254(D)	05/03/2015	55.70	8.61	4.68	3.49	BDL	BDL
2		1503/2266(D)	13/03/2015	59.36	9.12	5.27	1.55	BDL	BDL
3		1503/2084(D)	24/03/2015	61.30	8.19	6.13	1.80	BDL	BDL
4		1503/2080(D)	26/03/2015	62.46	7.48	3.85	1.25	BDL	BDL
1	April-2015.	1504/2587(D)	03/04/2015	73.67	16.19	7.80	3.89	BDL	BDL
2		1504/2588(D)	13/04/2015	71.30	13.79	4.36	1.63	BDL	BDL
3		1504/2589(D)	20/04/2015	73.01	14.68	6.17	1.90	BDL	BDL
4		1504/2590(D)	25/04/2015	72.68	16.23	7.76	2.87	BDL	BDL
1	May-2015.	1505/3745	08/05/2015	59.44	9.80	7.14	1.33	BDL	BDL
2		1505/3766	14/05/2015	73.14	16.47	6.18	1.30	BDL	BDL
3		1505/3787	22/05/2015	74.21	17.40	3.87	1.53	BDL	BDL
4		1505/3804(D)	28/05/2015	76.23	14.78	6.98	1.56	BDL	BDL
	Avg.	-	-	67.70	12.72	5.84	2.00	-	-
	Min.	-	-	55.70	7.48	3.85	1.25	-	-
	Max.	-	-	76.23	17.40	7.80	3.49	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT


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ALATGE STONE CRUSHING INDUSTRIES

DANDA- BAGMANDLA- SAIGAON BAUXITE MINE

Station: Danda Village (Near Buffer Zone)

Sr. No.	Month	Reports No.	Date	RSPM-10 ($\mu\text{g}/\text{m}^3$)	RSPM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)	Lead ($\mu\text{g}/\text{m}^3$)
1	March-2015.	1503/2254(E)	05/03/2015	52.80	9.86	4.64	1.39	BDL	BDL
2		1503/2266(E)	13/03/2015	53.32	7.76	5.12	1.24	BDL	BDL
3		1503/2084(E)	24/03/2015	62.47	8.34	7.31	1.20	BDL	BDL
4		1503/2080(E)	26/03/2015	74.13	14.89	9.10	3.00	BDL	BDL
1	April-2015.	1504/2587(E)	03/04/2015	73.67	16.19	7.80	3.89	BDL	BDL
2		1504/2588(E)	13/04/2015	71.30	13.79	4.36	1.63	BDL	BDL
3		1504/2589(E)	20/04/2015	61.35	9.22	6.16	0.29	BDL	BDL
4		1504/2590(E)	25/04/2015	62.56	8.26	2.80	1.32	BDL	BDL
1	May-2015.	1505/3746	08/05/2015	66.36	8.46	4.78	0.80	BDL	BDL
2		1505/3767	14/05/2015	55.75	9.36	5.17	0.76	BDL	BDL
3		1505/3788	22/05/2015	67.21	8.15	2.81	0.79	BDL	BDL
4		1505/3804(E)	28/05/2015	66.23	9.36	3.16	1.87	BDL	BDL
	Avg.		-	63.92	10.31	5.26	1.51	-	-
	Min.		-	52.80	16.19	2.80	0.29	-	-
	Max.		-	74.13	7.76	9.10	3.89	-	-

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DANDA- BAGMANDLA- SAIGAON BAUXITE MINE									
Station: Harihareshwar Temple (Near Buffer Zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 ($\mu\text{g}/\text{m}^3$)	RSPM-2.5 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Lead ($\mu\text{g}/\text{m}^3$)
1	March-2015.	1503/2254(F)	05/03/2015	49.65	9.14	5.37	1.87	BDL	BDL
2		1503/2266(F)	13/03/2015	46.60	8.67	4.98	1.55	BDL	BDL
3		1503/2084(F)	24/03/2015	40.26	9.89	5.78	1.22	BDL	BDL
4		1503/2080(F)	26/03/2015	38.20	7.30	2.60	1.14	BDL	BDL
1	April-2015.	1504/2587(F)	03/04/2015	56.10	8.54	6.12	1.49	BDL	BDL
2		1504/2588(F)	13/04/2015	47.69	9.35	5.15	1.27	BDL	BDL
3		1504/2589(F)	20/04/2015	48.54	8.49	6.13	1.00	BDL	BDL
4		1504/2590(F)	25/04/2015	39.67	8.53	3.74	0.78	BDL	BDL
1	May-2015.	1505/3747	08/05/2015	52.16	9.45	4.79	1.65	BDL	BDL
2		1505/3768	14/05/2015	47.61	7.39	4.80	1.59	BDL	BDL
3		1505/3789	22/05/2015	49.50	9.34	5.79	1.35	BDL	BDL
4		1505/3804(F)	28/05/2015	36.47	9.64	4.85	1.70	BDL	BDL
	Avg.	-	-	46.03	8.81	5.01	1.38	-	-
	Min.	-	-	36.47	7.30	2.60	1.00	-	-
	Max.	-	-	56.10	9.89	6.13	1.87	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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ANNEXTURE II

ANALYSIS REPORT OF NOISE LEVEL MONITORING

Sr. No.	MONITORING DETAILS	EQUIPMENT USED	REMARK
2	Noise Level Monitoring	Sound Level Meter	
1	Core Zone		
A	Mine Lease		
2.	Buffer Zone		
A	Danda Village		
B	Saigaon Village		





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ALATGE STONE CRUSHING INDUSTRIES						
DANDA- BAGMANDLA- SAIGAON BAUXITE MINE						
Station: Mine Lease, Danda Village, Saigaon Village						
Sr. No.	Month	Reports No.	Date	Mine Lease (Core Zone)	Danda Village (Buffer Zone)	Saigaon Village (Buffer Zone)
1	March-2015.	1503/2255(A)	06/03/2015	70.5	63.7	59.3
2		1503/2267(A)	14/03/2015	67.8	64.5	56.2
3		1503/2084(G)	24/03/2015	64.6	62.8	51.9
4		1503/ 2080(G)	26/03/2015	67.3	61.6	53.3
1	April-2015.	1504/2587(G)	04/04/2015	72.8	65.6	61.4
2		1504/2588(G)	14/04/2015	66.3	65.3	57.8
3		1504/2589(G)	21/04/2015	61.2	64.6	56.8
4		1504/2590(G)	25/04/2015	66.2	64.7	59.8
1	May-2015.	1505/3748	08/05/2015	73.5	67.2	63.8
2		1505/3769	15/05/2015	65.7	67.2	58.9
3		1505/3790	22/05/2015	65.8	67.3	59.4
4		1505/3804(G)	28/05/2015	64.7	68.4	55.3
	Avg.		-	67.2	65.24	57.82
	Min.		-	61.2	61.6	51.9
	Max.		-	73.5	68.4	63.8

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ANNEXTURE III

ANALYSIS REPORT OF WATER SAMPLES

SR. No.	TYPE OF SAMPLE	LOCATION	REMARK
3	Water Sample		
A	Water Quality (Surface Water)	1) Water From Savitri River	
B	Water Quality (Ground Water)	3) Water from Kalinge Well	
		4) Water from Maral Open Well	





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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Water Quality (Surface Water)		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	: Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2256(A)		
MARCH 13, 2015			

Sr. No.	PARAMETERS	WATER SAMPLE FROM SAVITRI RIVER	UNIT	LIMITING STANDARDS
1	Color	0	Hazen	IS:3025(PART-4)
2	Odour	Agreeable	-	IS 3025(PART 5)
3	Taste	--	-	-
4	Turbidity	0.05	NTU	APHA-3500-2130B
5	pH	8.01	--	APHA4500H+B
6	Total Hardness as CaCO ₃	5850	mg/L	APHA 2340C
7	Calcium as Ca	381	mg/L	APHA3500-CA B
8	Copper	0.091	mg/L	APHA 3111 B
9	Phenolic Compounds	BDL	mg/L	APHA 5530 C
10	Total Dissolved Solids	33408	mg/L	APHA 2540-C
11	Total Arsenic	BDL	mg/L	IS 3025 (PART 37)
12	Cyanide	BDL	mg/L	APHA 4500 CN- E
13	Lead	1.185	mg/L	APHA 3111 B
14	Zinc	0.058	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	65	mg/L	APHA 4500 - CL- B
17	Sulphate	2130	mg/L	APHA 4500 - SO ₄ ²⁻
18	Nitrates	BDL	mg/L	CPCB MANUAL
19	Fluoride	BDL	mg/L	APHA 4500 - F- D
20	Sodium	8000	mg/L	APHA3500-NAB
21	Cadmium	BDL	mg/L	APHA3111 B

TARAPUR OFFICE : Shop No. 203/204B, 2nd floor, Arihant Market, Ostwal Empire, Boisar. Tel. 02525-266477, Mob. : 99233 03904 Email : klean.tarapur@gmail.com

PUNE OFFICE : 1340 Shivaji Nagar, Near Pune Corporation, Pune - 411 005.

REGD. OFFICE : Unit No. 79, Kakad Industrial Estate, Opp. L. J. Road, Mahim (W), Mumbai - 400 016. Tel. : 022-2431 0961 Fax : 91 22 2431 0946



22	Total Alkalinity CaCO ₃	110	mg/L	IS:3025(PART 23)
23	Phosphate	0.422	mg/L	APHA 4500 – P D.
24	Potassium	305	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	3.423	mg/L	APHA 3500 Fe – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	1191	mg/L	APHA 3500-MGB
29	Selenium	BDL	mg/L	IS 3025 (PART 56)
30	Mercury	BDL	mg/L	INSTRUMENT MANUAL
31	Total Coliform,MPN/100	>1600	-	IS 1622
32	Fecal Coliform,MPN/100	Absent	-	IS 1622

NOTE: 1) BDL- Below Detectable Level

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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Water Quality		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	: Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2256(B)		
MARCH 13, 2015			

SR. No.	PARAMETERS	WATER SAMPLE FROM KALINGE WELL	UNIT	LIMITING STANDARDS
1	Color	0	Hazen	IS:3025(PART-4)
2	Odour	Agreeable	-	IS 3025(PART 5)
3	Taste	--	-	-
4	Turbidity	0.05	NTU	APHA-3500-2130B
5	pH	5.87	--	APHA4500H+B
6	Total Hardness as CaCO ₃	52	mg/L	APHA 2340C
7	Calcium as Ca	11	mg/L	APHA3500-CA B
8	Copper	0.058	mg/L	APHA 3111 B
9	Phenolic Compounds	BDL	mg/L	APHA 5530 C
10	Total Dissolved Solids	136	mg/L	APHA 2540-C
11	Total Arsenic	BDL	mg/L	IS 3025 (PART 37)
12	Cyanide	BDL	mg/L	APHA 4500 CN- E
13	Lead	BDL	mg/L	APHA 3111 B
14	Zinc	0.016	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	19	mg/L	APHA 4500 - CL- B
17	Sulphate	BDL	mg/L	APHA 4500 - SO ₄ ²⁻
18	Nitrates	0.825	mg/L	CPCB MANUAL
19	Fluoride	BDL	mg/L	APHA 4500 - F- D
20	Sodium	24	mg/L	APHA3500-NAB
21	Cadmium	BDL	mg/L	APHA3111 B



22	Total Alkalinity CaCO ₃	40	mg/L	IS:3025(PART 23)
23	Phosphate	0.30	mg/L	APHA 4500 – P D.
24	Potassium	1	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	0.103	mg/L	APHA 3500 FE – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	6	mg/L	APHA 3500-MGB
29	Selenium	BDL	mg/L	IS 3025 (PART 56)
30	Mercury	BDL	mg/L	INSTRUMENT MANUAL
31	Total Coliform,MPN/100	>1600	-	IS 1622
32	Fecal Coliform,MPN/100	Absent	-	IS 1622

NOTE: 1) BDL- Below Detectable Level

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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Water Quality		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	: Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2256(C)		MARCH 13, 2015

SR. No.	PARAMETERS	WATER SAMPLE FROM MARAL OPEN WELL	UNIT	LIMITING STANDARDS
1	Color	0	Hazen	IS:3025(PART-4)
2	Odour	Agreeable	-	IS 3025(PART 5)
3	Taste	--	-	-
4	Turbidity	0.05	NTU	APHA-3500-2130B
5	pH	7.49	--	APHA4500H+B
6	Total Hardness as CaCO ₃	180	mg/L	APHA 2340C
7	Calcium as Ca	36	mg/L	APHA3500-CA B
8	Copper	BDL	mg/L	APHA 3111 B
9	Phenolic Compounds	BDL	mg/L	APHA 5530 C
10	Total Dissolved Solids	392	mg/L	APHA 2540-C
11	Total Arsenic	BDL	mg/L	IS 3025 (PART 37)
12	Cyanide	BDL	mg/L	APHA 4500 CN- E
13	Lead	BDL	mg/L	APHA 3111 B
14	Zinc	0.01	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	48	mg/L	APHA 4500 - CL- B
17	Sulphate	BDL	mg/L	APHA 4500 - SO ₄ ²⁻
18	Nitrates	BDL	mg/L	CPCB MANUAL
19	Fluoride	BDL	mg/L	APHA 4500 - F- D
20	Sodium	41	mg/L	APHA3500-NAB
21	Cadmium	BDL	mg/L	APHA3111 B

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PUNE OFFICE : 1340 Shivaji Nagar, Near Pune Corporation, Pune - 411 005.

REGD. OFFICE : Unit No. 79, Kakad Industrial Estate, Opp. L. J. Road, Mahim (W), Mumbai - 400 016. Tel. : 022-2431 0961 Fax : 91 22 2431 0946



22	Total Alkalinity CaCO ₃	210	mg/L	IS:3025(PART 23)
23	Phosphate	0.358	mg/L	APHA 4500 – P D.
24	Potassium	BDL	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	0.815	mg/L	APHA 3500 Fe – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	22	mg/L	APHA 3500-MGB
29	Selenium	BDL	mg/L	IS 3025 (PART 56)
30	Mercury	BDL	mg/L	INSTRUMENT MANUAL
31	Total Coliform,MPN/100	>1600	-	IS 1622
32	Fecal Coliform,MPN/100	Absent	-	IS 1622

NOTE: 1) BDL- Below Detectable Level

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ANNEXTURE IV

ANALYSIS REPORT OF SOIL SAMPLES

SR. No.	TYPE OF SAMPLE	LOCATION	REMARK
4	Soil Sample		
1	Soil Quality	Soil Sample from Mine Lease	
2	Soil Quality	Soil Sample from Danda Village	
3	Soil Quality	Soil Sample from Harihareshwar Village	





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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Soil Quality		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2257(A)		
			MARCH 13, 2015

SR. NO.	PARAMETERS	SOIL SAMPLE FROM MINE LEASE	UNITS
1.	pH of 10% suspension	7.13	-
2.	Moisture content at 105°C	18	%
3.	Organic matter	5.173	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	61	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	510	mg/Kg
11.	Phosphate	2.8	mg/Kg
12.	Nitrogen as (N)	751.27	mg/Kg
13.	Copper as (Cu)	2.34	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.07	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	465	mg/Kg

NOTE: 1) BDL: Below detectable level.

2) ND : Not Done

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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Soil Quality		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2257(B)		
MARCH 13, 2015			

SR. NO.	PARAMETERS	SOIL SAMPLE FROM DANDA VILLAGE	UNITS
1.	pH of 10% suspension	7.15	-
2.	Moisture content at 105°C	21	%
3.	Organic matter	17.82	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	63	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	480	mg/Kg
11.	Phosphate	2.8	mg/Kg
12.	Nitrogen as (N)	31.76	mg/Kg
13.	Copper as (Cu)	2.57	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.13	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	440.88	mg/Kg

NOTE: 1) BDL: Below detectable level.
2) ND : Not Done

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ANALYSIS REPORT

Name of the Client	: M/s. ALATGE STONE CRUSHING INDUSTRIES., SITE- DANDA- BAGMANDLA- SAIGAON, TAL-SHRIWARDHAN, DIST-RAIGAD		
Nature of Sample	: Soil Quality		
No. of Samples	: One	Sample collected by	Lab
Sample Collection Date	Lab Receipt Date	Analysis Start Date	Analysis Complete Date
05.03.2015	09.03.2015	09.03.2015	13.03.2015
Your Ref. No.	: Your Work Order Dated : 27.04.2015		
Report No.	: 1503/2257(C)		MARCH 13, 2015

SR. No.	PARAMETERS	SOIL SAMPLE FROM NEAR HARIHARESHWAR VILLAGE	UNITS
1.	pH of 10% suspension	7.18	-
2.	Moisture content at 105°C	24	%
3.	Organic matter	14.58	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	62	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	479	mg/Kg
11.	Phosphate	2.9	mg/Kg
12.	Nitrogen as (N)	407	mg/Kg
13.	Copper as (Cu)	3.24	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.16	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	350.58	mg/Kg

NOTE: 1) BDL: Below detectable level.

2) ND : Not Done

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