

ENVIRONMENTAL MONITORING REPORT

FOR

M/s. ALATGE STONE CRUSHING INDUSTRIES

SITE: KURWADE MARAL BAUXITE MINE

TAL: SHRIWARDHAN: DIST- RAIGAD

(FIRST- QUARTER)

MONTH – MARCH, APRIL, MAY -2015

PREPARED BY



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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	Danda Villag		
B	Harihareshwar Temple		
C	Kolmandle Village		
D	Kurwade Village		





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ANALYSIS REPORT

ANALYSIS REPORT

ALATGE STONE CRUSHING INDUSTRIES									
KURWADE MARAL BAUXITE MINE									
Station: Haulage Road (Near Core Zone)									
Sr. No.	Month	Reports No.	Date	RSPM-10 (µg/m3)	RSPM-2.5 (µg/m3)	SO ₂ (µg/m ³)	NOx (µg/m ³)	CO (mg/m3)	Lead (µg/m ³)
1	March-2015.	1503/2258(A)	05/03/2015	72.65	16.12	7.59	4.26	BDL	BDL
2		1503/2270(A)	13/03/2015	71.34	12.83	5.26	2.80	BDL	BDL
3		1503/2071(A)	24/03/2015	69.26	19.55	6.18	1.60	BDL	BDL
4		1503/2083(A)	26/03/2015	71.68	16.21	8.18	1.65	BDL	BDL
1	April-2015.	1504/2587 (H)	03/04/2015	70.32	13.19	6.80	2.99	BDL	BDL
2		1504/2588(H)	13/04/2015	72.19	12.46	3.89	1.53	BDL	BDL
3		1504/2589(H)	20/04/2015	74.19	24.16	6.71	1.56	BDL	BDL
4		1504/2590(H)	25/04/2015	70.46	13.76	7.89	2.50	BDL	BDL
1	May-2015.	1505/3749	08/05/2015	72.64	15.20	4.67	1.80	BDL	BDL
2		1505/3770	14/05/2015	65.27	16.25	5.79	2.88	BDL	BDL
3		1505/3791	22/05/2015	76.24	27.12	9.53	2.36	BDL	BDL
4		1505/3804(H)	28/05/2015	73.21	18.22	9.67	1.99	BDL	BDL
	Avg.		-	71.62	17.08	6.84	2.32	-	-
	Min.		-	65.27	12.46	3.89	1.53	-	-
	Max.		-	76.24	27.12	9.67	4.26	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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ALATGE STONE CRUSHING INDUSTRIES									
KURWADE MARAL BAUXITE MINE									
Station: Mining Pit (Near Core zone)									
Sr. No.	Month		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.	1503/2258(B)	05/03/2015	70.26	11.72	6.89	2.11	BDL	BDL
2		1503/2270(B)	13/03/2015	70.16	14.10	8.24	1.66	BDL	BDL
3		1503/2071(B)	24/03/2015	72.45	11.7	5.99	3.50	BDL	BDL
4		1503/2083(B)	26/03/2015	72.46	16.11	3.46	1.80	BDL	BDL
1	April-2015.	1504/2587(I)	03/04/2015	74.12	16.83	7.31	3.74	BDL	BDL
2		1504/2588(I)	13/04/2015	68.14	12.76	7.18	1.38	BDL	BDL
3		1504/2589(I)	20/04/2015	74.16	10.64	8.29	1.82	BDL	BDL
4		1504/2590(I)	25/04/2015	70.46	13.76	7.89	2.50	BDL	BDL
1	May-2015.	1505/3750	08/05/2015	76.19	13.67	6.15	1.30	BDL	BDL
2		1505/3771	14/05/2015	69.10	15.27	8.66	2.25	BDL	BDL
3		1505/3792	22/05/2015	72.18	13.27	7.35	1.27	BDL	BDL
4		1505/3804(I)	28/05/2015	73.74	17.25	8.33	2.40	BDL	BDL
	Avg.		-	71.95	13.92	7.14	2.14	-	-
	Min.		-	68.14	10.64	3.46	1.27	-	-
	Max.		-	76.19	17.25	8.66	3.74	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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ANALYSIS REPORT

ALATGE STONE CRUSHING INDUSTRIES

KURWADE MARAL BAUXITE MINE

Station: Danda Village (Near Buffer Zone)

Sr. No.	Month		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.	1503/2258(C)	05/03/2015	65.60	12.41	8.57	2.37	BDL	BDL
2		1503/2270(C)	13/03/2015	62.78	13.19	5.80	1.45	BDL	BDL
3		1503/2071(C)	24/03/2015	69.32	14.16	6.15	1.55	BDL	BDL
4		1503/2083(C)	27/03/2015	68.61	12.16	5.31	1.71	BDL	BDL
1	April-2015.	1504/2587(J)	04/04/2015	69.78	13.68	6.75	1.80	BDL	BDL
2		1504/2588(J)	13/04/2015	61.73	11.22	5.83	1.42	BDL	BDL
3		1504/2589(J)	20/04/2015	63.80	15.19	7.85	2.79	BDL	BDL
4		1504/2590(J)	25/04/2015	67.18	10.87	6.12	1.36	BDL	BDL
1	May-2015.	1505/3751	08/05/2015	72.64	15.20	4.67	1.80	BDL	BDL
2		1505/3772	15/05/2015	64.36	13.18	6.26	2.80	BDL	BDL
3		1505/3793	22/05/2015	61.46	17.26	8.12	0.70	BDL	BDL
4		1505/3804(J)	28/05/2015	66.18	15.52	4.91	1.21	BDL	BDL
	Avg.		-	66.12	13.67	6.36	1.74	-	-
	Min.		-	61.46	10.87	4.67	0.7	-	-
	Max.		-	72.64	17.26	8.57	2.8	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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KURWADE MARAL BAUXITE MINE

Station: Harihareshwar Temple (Near Buffer Zone)

Sr. No.	Month		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.	1503/2258(D)	06/03/2015	57.72	7.54	5.12	2.18	BDL	BDL
2		1503/2270(D)	14/03/2015	61.32	7.69	3.70	1.80	BDL	BDL
3		1503/2071(D)	24/03/2015	63.26	7.85	4.68	1.85	BDL	BDL
4		1503/2083(D)	27/03/2015	67.51	8.80	4.87	1.60	BDL	BDL
1	April-2015.	1504/2587(K)	03/04/2015	67.54	8.42	6.08	1.72	BDL	BDL
2		1504/2588(K)	13/04/2015	60.00	6.80	4.25	1.65	BDL	BDL
3		1504/2589(K)	20/04/2015	65.91	9.56	3.87	1.30	BDL	BDL
4		1504/2590(K)	27/04/2015	62.92	9.38	5.38	1.60	BDL	BDL
1	May-2015.	1505/3752	08/05/2015	63.36	9.76	4.31	1.55	BDL	BDL
2		1505/3773	15/05/2015	62.26	8.40	6.14	1.71	BDL	BDL
3		1505/3794	23/05/2015	68.45	7.54	4.12	1.75	BDL	BDL
4		1505/3804(K)	28/05/2015	61.69	8.45	3.88	2.53	BDL	BDL
	Avg.		-	63.49	8.34	4.7	1.77	-	-
	Min.		-	57.72	6.8	3.7	1.3	-	-
	Max.		-	68.45	9.76	6.14	2.53	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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KURWADE MARAL 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.	1503/2258(E)	06/03/2015	52.80	9.15	4.46	1.32	BDL	BDL
2		1503/2270(E)	14/03/2015	54.78	8.36	3.64	1.98	BDL	BDL
3		1503/2071(E)	24/03/2015	61.33	9.21	6.21	1.52	BDL	BDL
4		1503/2083(E)	27/03/2015	65.12	9.43	3.90	1.53	BDL	BDL
1	April-2015.	1504/2587(L)	04/04/2015	61.37	8.75	3.65	1.89	BDL	BDL
2		1504/2588(L)	14/04/2015	53.39	7.17	2.81	1.35	BDL	BDL
3		1504/2589(L)	21/04/2015	67.59	8.76	5.88	1.40	BDL	BDL
4		1504/2590(L)	27/04/2015	62.99	10.35	6.28	2.01	BDL	BDL
1	May-2015.	1505/3753	08/05/2015	61.36	9.25	2.70	1.55	BDL	BDL
2		1505/3774	15/05/2015	56.21	8.42	3.23	1.80	BDL	BDL
3		1505/3795	23/05/2015	65.37	9.67	7.32	1.64	BDL	BDL
4		1505/3804(L)	29/05/2015	66.58	11.80	8.49	1.42	BDL	BDL
	Avg.		-	60.74	9.19	4.88	1.61	-	-
	Min.		-	52.8	7.17	2.7	1.32	-	-
	Max.		-	67.59	11.8	8.49	2.01	-	-

NOTE: 1) BDL: BELOW DETECTABLE LIMIT

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KURWADE MARAL BAUXITE MINE

Station: Kurwade 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.	1503/2258(F)	06/03/2015	45.68	7.19	4.80	1.61	BDL	BDL
2		1503/2270(F)	14/03/2015	47.58	9.32	3.46	1.81	BDL	BDL
3		1503/2071(F)	24/03/2015	45.17	8.80	6.21	1.79	BDL	BDL
4		1503/2023(F)	27/03/2015	35.70	8.32	5.65	1.87	BDL	BDL
1	April-2015.	1504/2587(M)	04/04/2015	48.68	8.23	5.16	1.20	BDL	BDL
2		1504/2588(M)	14/04/2015	44.27	7.22	2.79	1.50	BDL	BDL
3		1504/2589(M)	21/04/2015	48.29	9.05	3.61	1.28	BDL	BDL
4		1504/2590(M)	27/04/2015	37.25	9.16	3.94	1.65	BDL	BDL
1	May-2015.	1505/3754	09/05/2015	49.55	9.10	4.76	1.65	BDL	BDL
2		1505/3775	15/05/2015	46.23	6.80	4.12	1.37	BDL	BDL
3		1505/3796	23/05/2015	49.24	7.36	2.70	1.65	BDL	BDL
4		1505/3804(M)	29/05/2015	38.34	8.65	2.56	1.90	BDL	BDL
	Avg.	-	-	44.66	8.26	4.14	1.60	-	-
	Min.	-	-	35.7	6.8	2.56	1.2	-	-
	Max.	-	-	49.55	9.32	6.21	1.9	-	-

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	Kurwade Village		
B	Harihareshwar Village		





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ALATGE STONE CRUSHING INDUSTRIES

KURWADE MARAL BAUXITE MINE

Station: Mine Lease, Danda Village, Saigaon Village

Sr. No.	Month	Reports No.	Date	Mine Lease (Core Zone)	Kurwade Village (Buffer Zone)	Harihareshwar Village (Buffer Zone)
1	March-2015.	1503/2259(A)	06/03/2015	72.4	65.8	61.2
2		1503/2271(A)	14/03/2015	66.9	66.2	58.1
3		1503/2072(A)	24/03/2015	63.1	60.5	55.2
4		1503/2084(A)	27/03/2015	64.1	62.1	57.1
1	April-2015.	1504/2587(N)	04/04/2015	74.6	68.5	63.3
2		1504/2588(N)	14/04/2015	64.2	65.7	57.5
3		1504/2589(N)	21/04/2015	62.7	62.9	56.4
4		1504/2590(N)	27/04/2015	69.2	66.2	58.5
1	May-2015.	1505/3755	09/05/2015	71.7	66.5	63.8
2		1505/3776	15/05/2015	70.2	67.2	54.8
3		1505/3797	23/05/2015	66.3	65.2	54.7
4		1505/3804(N)	29/05/2015	67.7	64.9	59.1
	Avg.	-	-	67.75	65.17	58.30
	Min.	-	-	62.7	60.5	54.7
	Max.	-	-	74.6	68.5	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 Well	





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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- KURWADE MARAL, 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	8.04	--	APHA4500H+B
6	Total Hardness as CaCO ₃	5245	mg/L	APHA 2340C
7	Calcium as Ca	289	mg/L	APHA3500-CA B
8	Copper	0.065	mg/L	APHA 3111 B
9	Phenolic Compounds	BDL	mg/L	APHA 5530 C
10	Total Dissolved Solids	3276	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	1.181	mg/L	APHA 3111 B
14	Zinc	0.052	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	67	mg/L	APHA 4500 - CL- B
17	Sulphate	1937	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	8109	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	113	mg/L	IS:3025(PART 23)
23	Phosphate	0.417	mg/L	APHA 4500 – P D.
24	Potassium	302	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	2.328	mg/L	APHA 3500 FE – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	1298	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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KLEAN LABORATORIES AND RESEARCH (P) LTD.

An Environmental Laboratory approved by McEF.
 vide Gazette notification of India S.No. 264 (E) Dtd February 13, 2012 valid up to 2017.
 402 Purushottam Plaza, Baner Road, Pune - 411 045.
 Tel 020-46781028 E-mail : kleanlab@gmail.com Website : www.klean.org
 An ISO 9001-2008, ISO 14001 : 2004 & OHSAS 18001:2007 Certified Laboratory

ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- KURWADE MARAL,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	5.80	--	APHA4500H+B
6	Total Hardness as CaCO ₃	55	mg/L	APHA 2340C
7	Calcium as Ca	14	mg/L	APHA3500-CA B
8	Copper	0.059	mg/L	APHA 3111 B
9	Phenolic Compounds	BDL	mg/L	APHA 5530 C
10	Total Dissolved Solids	138	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	0.018	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	23	mg/L	APHA 4500 - CL- B
17	Sulphate	BDL	mg/L	APHA 4500 - SO ₄ ²⁻
18	Nitrates	0.698	mg/L	CPCB MANUAL
19	Fluoride	BDL	mg/L	APHA 4500 - F- D
20	Sodium	26	mg/L	APHA3500-NAB
21	Cadmium	BDL	mg/L	APHA3111 B



22	Total Alkalinity CaCO ₃	43	mg/L	IS:3025(PART 23)
23	Phosphate	0.33	mg/L	APHA 4500 – P D.
24	Potassium	4	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	0.109	mg/L	APHA 3500 Fe – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	8	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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Chhikar

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ANALYSIS REPORT

Name of the Client	: M/S. ALATGE STONE CRUSHING INDUSTRIES., SITE- KURWADE MARAL, 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	7.47	--	APHA4500H+B
6	Total Hardness as CaCO ₃	188	mg/L	APHA 2340C
7	Calcium as Ca	39	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	396	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	0.02	mg/L	APHA 3111 B
15	Total Chromium	BDL	mg/L	APHA 3111 B
16	Chlorides	49	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	46	mg/L	APHA3500-NAB
21	Cadmium	BDL	mg/L	APHA3111 B

22	Total Alkalinity CaCO ₃	214	mg/L	IS:3025(PART 23)
23	Phosphate	0.338	mg/L	APHA 4500 – P D.
24	Potassium	BDL	mg/L	APHA 3500-KB
25	Boron	BDL	--	IS 3025 (PART 57)
26	Iron	0.627	mg/L	APHA 3500 FE – D
27	Manganese	BDL	mg/L	APHA 3111 B.
28	Magnesium	28	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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P. H. K. K.
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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 Kurwade 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- KURWADE MARAL, 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	7.15	-
2.	Moisture content at 105°C	19	%
3.	Organic matter	4.128	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	65	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	526	mg/Kg
11.	Phosphate	3.1	mg/Kg
12.	Nitrogen as (N)	737.22	mg/Kg
13.	Copper as (Cu)	3.16	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.08	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	460	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- KURWADE MARAL, 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 KURWADE VILLAGE	UNITS
1.	pH of 10% suspension	7.46	-
2.	Moisture content at 105°C	29	%
3.	Organic matter	13.70	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	68	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	468	mg/Kg
11.	Phosphate	3.9	mg/Kg
12.	Nitrogen as (N)	37.36	mg/Kg
13.	Copper as (Cu)	3.50	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.18	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	430.80	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- KURWADE MARAL, 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	7.35	-
2.	Moisture content at 105°C	27	%
3.	Organic matter	17.50	%
4.	Water holding capacity	1.4	Inches/Foot
5.	Texture	Sandy loam	-
6.	Porosity	66	%
7.	Gravel	ND	--
8.	Sand	ND	--
9.	Clay & Silt	ND	--
10.	Potassium as (K)	472	mg/Kg
11.	Phosphate	2.6	mg/Kg
12.	Nitrogen as (N)	401	mg/Kg
13.	Copper as (Cu)	3.20	mg/Kg
14.	Cadmium as (Cd)	BDL	mg/Kg
15.	Lead as (Pb)	0.18	mg/Kg
16.	Chromium as (Cr)	BDL	mg/Kg
17.	Sulphur	ND	mg/Kg
18.	Calcium as (Ca)	337.51	mg/Kg

NOTE: 1) BDL: Below detectable level.

2) ND : Not Done

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