



Date: 15/02/2017

To,
The Member Secretary
Goa State Pollution Control Board
EDC, Patto Plaza
Panjim, Goa -403001

Subject: Compliance of Consent conditions of Bicholim Iron Ore Mine, T.C. Nos: 11/1941, 12/1941, 13/1941, 14/1941 & 15/1941, Village Mayem, Lamgao, Bordem, Mulgao & Shirgao of Bicholim Taluka for the month of January 2016.

Ref: Consent to Operate No. 5/2569/15-PCB/CI-554 dated 07/09/2015

With reference to the condition in Consent to Operate and Authorization granted to Bicholim Iron Ore Mine, we have enclosed herewith the Air and Water Analysis Report for the Month of **January 2016**.

Thanking you,

Yours faithfully,

For Sesa Mining Corporation Limited,

Jagdish Desai
Manager-Environment

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M/s Sesa Environment Laboratory

Vedanta Limited ,Mining Division ,Codli Mines,P.O. Kirlapale ,Goa-403727

Recognised by Ministry of Environment, Forests and Climate change, Govt. of India Vide Notification .S.O.137(E).

dated 12th January 2015 , Valid up to 11.01.2020

* Certified by ISO 9001:2008 and OHSAS 18001:2007

Ambient Air Quality Monitoring Report

Mine Name: Bicholim Mine

Instruments used: Respirable Dust Sampler 460BL

Calibration date: 28.09.2016

Validity of calibration :27.09.2017

Standard method used for analysis: Particulate Matter -Gravimetric method

Monitoring Date	Particulate Matter (24 hourly)				Emission Standards
	2 TOP Mine Face	1 Top Weigh Bridge Service Road	5TOP Ore storage/Loading	NSP (Dry screening Plant)	
02.01.2017	178	362	116	312	1200 µg/m ³
05.01.2017	373	412	328	352	
12.01.2017	382	422	324	371	
14.01.2017	250	396	273	410	
16.01.2017	414	316	352	234	
18.01.2017	387	370	360	352	
25.01.2017	413	400	372	410	
28.01.2017	433	382	392	324	
31.01.2017	432	358	371	333	


Govt. Analyst




Laboratory Incharge

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Ambient Air Quality Monitoring Report

Mine Name: Bicholim Mine

Instruments used: Fine Particulate Sampler APM550 MFC, Respirable Dust Sampler 460 NL, Gaseous Pollutant Sampler

Calibration date: 28.09.2016

Validity of calibration :27.09.2016

Standard method used for analysis: PM10 & PM2.5 - Gravimetric method

SO2 - Improved west & Gaeke

NOx - Modified Jacob & Hoccheiser


Location Name :Ladferm Village					Location Name : Sarvan village			
Monitoring Date	PM _{2.5} in µg/m ³ (24 hourly)	PM ₁₀ in µg/m ³ (24 hourly)	SO ₂ in µg/m ³ (24 hourly)	NOx in µg/m ³ (24 hourly)	PM _{2.5} in µg/m ³ (24 hourly)	PM ₁₀ in µg/m ³ (24 hourly)	SO ₂ in µg/m ³ (24 hourly)	NOx in µg/m ³ (24 hourly)
02.01.2017	42	61	10	18	42	63	8	12
05.01.2017	45	54	8	20	38	47	6	10
12.01.2017	40	58	5	13	46	56	5	13
14.01.2017	53	69	5	14	54	50	5	14
16.01.2017	55	73	7	14	51	68	7	14
18.01.2017	52	63	6	10	43	61	BDL	10
25.01.2017	58	81	8	10	49	82	8	10
28.01.2017	38	72	6	9	46	63	6	10
31.01.2017	40	67	11	8	37	71	6	9

Location Name : C S Pilgao Village					Location Name : Sirsaim Village			
02.01.2017	33	63	12	16	41	90	10	16
05.01.2017	44	72	5	13	58	81	5	13
12.01.2017	21	51	5	14	38	63	5	14
14.01.2017	29	62	7	14	42	72	7	14
16.01.2017	32	55	BDL	10	35	77	BDL	10
18.01.2017	36	64	8	10	42	62	8	10
25.01.2017	37	51	10	16	21	58	10	12
28.01.2017	25	54	10	12	10	45	8	10
31.01.2017	25	61	9	10	29	49	6	8

31.01.2017 PM_{2.5} 60µg/m³ PM₁₀ 100 µg/m³ SO₂ 80 µg/m³ NO_x 80 µg/m³ PM_{2.5} 60µg/m³ PM₁₀ 100 µg/m³ SO₂ 80 µg/m³ NO_x 80 µg/m³


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