



sesa goa iron ore

26th September, 2017

To,
The Environment Officer,
Karnataka State Pollution Control Board,
House No. C.A-2, 3rd Main, K.H.B Colony
Behind Pragathi Gramin Bank, Near K.H.B Office,
Sadik Nagar Road, Chitradurga - 577501

Respected Sir,

Subject: Submission of Environmental Statement in form V for the year 2016-17 for A. Narrain Iron Ore Mine of M/s Vedanta Limited (ML: 2677)

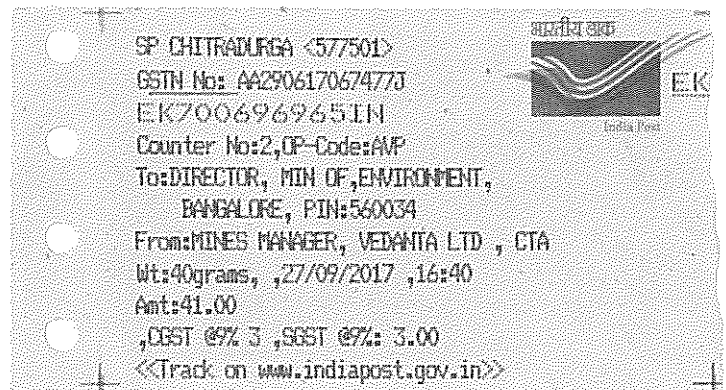
Reference: Consent Order No. AWH-300531, Dated 30/06/2016.

With reference to the above subject we are hereby submitting duly filled Environmental Statement for the year 2016-17 in Form V for A. Narrain Iron Ore Mine of M/s Vedanta Limited (ML: 2677).

Kindly acknowledge the receipt of the same.

Thanking You,
For Vedanta Limited


Head Operations

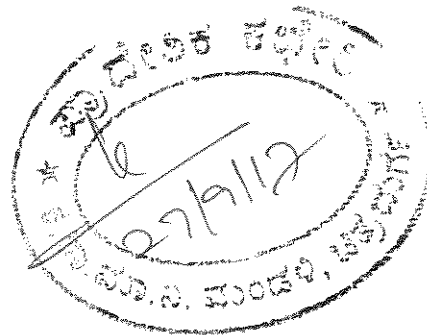


Copy to:

1. Senior Environment Officer, KSPCB "Parisara Bhavana" 4th and 5th floors, 49, church Street, Bangalore- 560 001.
2. Director, MoEF & CC, Regional Office (Southern Zone) Kendriya Sadan, Bangalore - 560034.
3. The Regional Director (ENV) Ecology and Environment Department, Dr. Saleem Building, Radio Park, Bellary.

Enclosures:

Duly filled Environment Statement in Form V.



VEDANTA LIMITED

Sesa Goa Iron Ore, Karnataka No 15, SNS Chambers, 1st Floor, Sankey Road, Sadashivanagar, Bangalore - 560080. T: 08023612755 | www.sesagoaironore.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India.

CIN: L13209MH1965PLC291394

[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending the 31st March 2017

PART A

1	Name and address of the Owner/Occupier of the industry operations or process:	A. Narrain Mines, Vedanta Limited (Formerly known as Sesa Sterlite Ltd. Megalhalli Office Complex, Bheemasamudra, Tal & Dist: Chitradurga-577 521
2	Industry Category:	Red Category
3	Capacity- Units/year:	6.0 MT/Annum as per EC (However current production limit is 2.29 MT/Annum as per capping imposed by Supreme Court)
4	Production- Units/ day:	6504.38 Tonnes of ore per day (Total Working Days: 352 Days)
5	Year of Establishment:	1952
6	Date of the Last Environmental Statement submitted:	22.09.2016

PART B

Water and Raw Material Consumption:

1	Water Consumption m ³ /d:			
	Process:		NIL	
	Cooling:		NIL	
	Domestic:		48.05 m ³ /day	
	Others:		242.74 m ³ /day (For Dust suppression and Afforestation)	
	Name of the Product		Process water consumption per unit of product output	
			(.1.)	(.2.)
Iron Ore		NA	NA	
2	Raw Material Consumption:		Raw material consumption per unit of output	
	Name of the Raw Material	Name of the Product	During the previous financial Year 2015-16	During the financial Year 2016-17
	NA	NA	NA	NA

PART C

Pollutant discharged to Environment /unit of output (As specified in consent)

	Pollutants	Quantity of Pollutants discharged (mass/d)	Concentrations of pollutant discharged (mass/volume)	Percentage of variation from prescribed standard with reason
a	Water	No effluent are generated from Mining, however monsoon runoff is channelized in to series of Settling ponds and Checkdams to allow the silt to settle.		
b	Air	Particulate Matter is monitored regularly and is well within the permissible limit. Reports of the same are submitted to MoEF Regional office and Pollution Control Board.		

PART D
HAZARDOUS WASTE

[Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous Waste generated		Total Quantity in KL		
		During the previous financial Year 2014-15	During the financial Year 2015-16	
a	From Process	Category 5.1- Used oil	31.0 KL	17.85 KL
		Category 5.2- Oil soaked cotton waste	0.24 MT	1.34 MT
		Category 5.3-Oil Filters	2.64 MT	5.12 MT
b	From Pollution control facilities		NIL	NIL

PART E
SOLID WASTE

Solid Waste generated		Total Quantity in Tons	
		During the previous financial Year 2015-2016	During the financial Year 2016-2017
a	From Process (Mining)	2714155 Tonnes	2119913 Tonnes
b	From Pollution control facilities	NA	NA
c	Quantity recycled or reused within unit	NA	NA

Note : The Solid waste is of Lateritic rock, Clay and Quartzite material which is stacked separately and stabilized by planting appropriate plant species

PART F


Please specify the characterization (in term of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

The Hazardous Waste

Category 5.1- Used Oil	Used oil is recovered from Heavy Earth Moving Machineries and from processing plants. This oil is blackish liquid contains Carbon, basic in nature with metallic impurities. It is stored in empty oil barrels in an ear marked/ designated place with concrete platform and leachates collection facility and are sold to authorized vendor.
Category 5.2-Oil soaked cotton waste	Contaminated cotton rags with oil
Category 5.3-Oil Filters	Filters from HEMM contaminated with oil

The Solid waste

Overburden	It consists of Lateritic rock, Clay and Quartzite material. Overburden dumping is carried out in stepped manner by taking all required environment protective measures like garland drains, geo textiles, constructing rock walls at toe of the dump, settling ponds etc. The finalized areas are afforested by planting native species. The total plantation carried for the year 2016-17 was 27000 nos.
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<u>PART G</u>	
Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.	Water tankers are engaged for spraying on Haulage roads to control the dust ,Dry Fog dust supression system is installed in all processing plants and all the transfer points are covered with G.I sheets to control the dust.All the over burden dumps are covered with Geo textile to control dust emissions and soil erosion. Finalized portion of the overburden dumps are taken for plantation.Total plantation carried FY 2016 - 2017 was 27000 Nos.
<u>PART H</u>	
Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution.	All the waste dumps are covered with Geo textile, and finalized portions are taken for plantation. Coco filters are installed in the garland drianges to control the silt,Additional measures like retaining wall,Gully checks, Check dams and settling ponds are constructed.
<u>PART I</u>	
Any other particulars for improving the quality of the environment.	Company has been awarded with ISO 14001 certificate for its ENVIRONMENTAL MANAGEMENT SYSTEM.
Date: 22.09.2017	Your Faithfully For Vedanta limited
Place: Bheemasamudra	 Head Operations

VEDANTA LIMITED
Mining Division , Karnataka,
"Megalahalli Office Complex"
Near Megalahalli Village,
BHEEMASAMUDRA - 577 520.
DIST. CHITRADURGA.
Ph:- 08194 238 110/100