

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

Date: 12/07/2017

Subject: Compliance of Consent to Operate for Surla Barge Loading Jetty for the month of June 2017.

Reference: Surla Barge Loading Jetty, Sulra Bicholim Goa Survey No. 414/1, 415/0, 416/2, 417/1, Consent No. 5/3243/07-PCB/CI-2416 dated: 30/12/2016

Sir,

With Reference to the condition stipulated under Consent to Operate granted to Surla Barge loading jetty have enclosed herewith the Air Analysis & Water Monitoring Reports for the Month of June 2017

Thanking you,
Yours faithfully,
For Sesa Resources Ltd



Ulhas Betkikar
Jetty In-Charge
Surla Barge Loading Jetty
North Goa

Goa State Pollution Control Board
Patto, Panaji Goa
Date: 14/08/2017
Inward No.:
Receiver's signature:

SESA RESOURCES LIMITED:

Registered Office: Sesa Ghor, 20 EDC Complex, Patto, Panaji (Goa) - 403001
T +91-8322460600 | F +91-8322460690 | Website: www.sesagoaironore.com
CIN: U13209GA1965PLC000030

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, ISO 14001 :2004 and OHSAS 18001:2007

Surface Water Analysis Report for the Month of June 2017

Site Name: Surla Jetty

Date of Receipt of sample: 16.06.2017

Date of Sample collection: 16.06.2017


Analysis completion date : 22.06.2017

Standard method used for analysis: APHA Standard


Test Report No: 324

Parameter	Unit	Desirable Limit	Location
			Surface Runoff
Colour	Hazen	----	<5
PH	----	5.5 to 9.0	6.67
Turbidity	NTU	----	4.6
Dissolved Solids	mg/lit	----	22
Conductivity	µS/cm	----	44
T.S.S	mg/lit	50	3
Chlorides	mg/lit	----	3
Total Hardness as CaCO ₃	mg/lit	----	16.3
Calcium as Ca ⁺⁺	mg/lit	----	3.3
Magnesium as Mg ⁺⁺	mg/lit	----	2.0
Sulphate as SO ₄	mg/lit	----	1
Phosphate	mg/lit	5	BDL
Nitrate as NO ₃	mg/lit	10	0.1
B.O.D (3days, 30°C)	mg/lit	30	<3
C.O.D	mg/lit	250	<10
Fe	mg/lit	3	0.06
Mn	mg/lit	2	0.02
D.O	mg/lit	----	6
Oil & Grease	mg/lit	10	1.2

BDL- Below Detection Limit


Authorized Govt. Analyst




Laboratory Incharge

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

MineName : Surla Jetty

Location Name: Khodgini Village

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

Calibration date: 28.09.2016

Validity of calibration :27.09.2017

Standard method used for analysis: Particulate Matter Gravimetric method

Monitoring Date	PM _{2.5} in µg/m ³ hourly	PM ₁₀ in µg/m ³ hourly	Standards
01.06.2017	2	6	PM ₁₀ 100 µg/m ³ PM _{2.5} 60 µg/m ³
06.06.2017	5	9	
08.06.2017	4	8	
13.06.2017	7	11	
15.06.2017	7	11	
20.06.2017	8	14	
22.06.2017	2	6	
29.06.2017	3	6	



Authorised Govt. Analyst



Laboratory Incharge



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

Location Name: Surla Jetty

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

Calibration date: 24.01.2017

Validity of calibration :23.01.2018

Standard method used for analysis: Particulate Matter Gravimetric method

Monitoring Date	PM _{2.5} in µg/m ³ (24 hourly)	PM ₁₀ in µg/m ³ (24 hourly)	Standards
	Surla jetty (Nearest Residence)		
01.06.2017	2	6	PM ₁₀ -100 µg/m ³ PM _{2.5} -60 µg/m ³
06.06.2017	7	12	
08.06.2017	6	9	
13.06.2017	3	8	
15.06.2017	5	9	
20.06.2017	6	7	
22.06.2017	4	9	
29.06.2017	6	10	



Authorised Govt. Analyst

f. 

Laboratory Incharge



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

Location Name: Surla Jetty

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

Calibration date: 24.01.2017

Validity of calibration :23.01.2018

Standard method used for analysis: Particulate Matter Gravimetric method

Monitoring Date	Particulate Matter 24 hourly	Emission Standards
01.06.2017	27	1200 µg/m ³
06.06.2017	23	
08.06.2017	15	
13.06.2017	18	
15.06.2017	23	
20.06.2017	31	
22.06.2017	24	
29.06.2017	27	



Authorized Govt. Analyst



Laboratory Incharge

