

ARDENT STEEL LIMITED

CIN - U27310CT2007PLC007671

ASL/ Pollution/2018-19

Dt.18.02.2019

The Regional Officer, State Pollution Control Board, Keonjhar Region, Keonjhar

Sub: Submission of Monthly Environmental Monitoring Report.

Dear Sir,

Enclosed please find herewith the copy of the monthly Environmental Report of our Industry for the month of JANUARY ,2019 conducted by our authorized consultant viz. M/s Centre for Envotech and Management Consultancy Pvt. Ltd., BBSR for your reference and record.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,

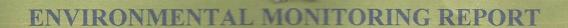
FOR ARDENT STEEL LIMITED

NARASINGH SAHOO

MANAGER (CORPORATE AFFAIRS)

Encl: As above





Of

M/S ARDENT STEEL LTD

Keonjhar, Odisha

JANUARY 2019



Centre For Envotech and Management Consultancy Pvt. Ltd. Environmental Laboratory

(AN ISO: 9001: 2008 and 18001: 2007 certified company, Empanelled with SPCB, Odisha)
MoEF &CC Govt.of India Recognised Environmental Laboratory
Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar – 752101,Odisha
Tele: 0674 - 2460826, 7752014842

E-mail: cemclab@yahoo.in, Website: www.cemc.in



An ISO 9001-2008 & OHSAS 18001:2007 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) &CWLW,Odisha Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986.

Reference No : CEMC/ASL/Jan-A-01/19

Name of Company

Sample Description

Date of Monitoring

Date of Receiving

Ardent Steel Ltd

Ambient Air

10.01.2019

11.01.2019

Date of Analysis 11.01.2019

11.01.2019

Sample Collected by : Santosh Kumar Mohanty

AMBIENT AIR QUALITY TEST REPORT (24 HOURLY AVERAGE)

SI.		MONITORING REPORT					
No.	LOCATION	PM_{10} $(\mu g/m^3)$	$PM_{2.5}$ $(\mu g/m^3)$	SO_2 $(\mu g/m^3)$	NO_x $(\mu g/m^3)$	CO (mg/m ³)	NH_3 $(\mu g/m^3)$
1	At the boundary near the water harvesting pond (East Direction)	71.1	36.6	13.8	18.6	0.31	<20
2	At the Boundary near ESP (South Direction)	73.9	40.2	14.4	18.3	0.44	<20
3	At the Boundary near Coal Fines Stock yard (North Direction)	68.8	34.7	13.1	17.6	0.39	<20
NAA	Q Standard	100 (μg/m ³)	60 (μg/m³)	80 ($\mu g/m^3$)	80 (μg/m ³)	4.0 (mg/m ³)	400 (μg/m³)

Authorized Signatory

> The results relate only to the sample tested.

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Reference No : CEMC/ASL/Jan-A-02/19

Name of Company

Sample Description

Date of Monitoring

Date of Receiving

Ardent Steel Ltd

Fugitive Air

10.01.2019

11.01.2019

Date of Receiving
Date of Analysis
11.01.2019

Sample Collected by : Santosh Kumar Mohanty

FUGITIVE EMISSION TEST REPORT

SI.		RESULT		
No.	LOCATION	RSPM (μg/m³)	SPM (μg/m³)	
1	Proportioning System (Ash & Coke Fines Bunker)	531	1018	
2	Raw Material Transfer point of Mixture (Mixture Building)	484	1077	
3	Ball Mill (Cool Grinding)	508	1099	
4	Ball Mill (Flux & Coke Grinding)	498	1084	
5	Finished Product Transfer points and plant de-dusting system	512	854	
6	Travelling Grate & Rotary Kiln	507	898	
0	MoEF Standard		2000*	

* The standard is applicable at 10 m distance from the source

Authorized Signatory Notes:

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Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS& GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: 1st Floor, N-5/305, IRC village, Nayapalli, Bhubaneswar-751015, Odisha, India,Mobile: 9861032826 E-mail-cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemc.in, Landline: 0674-2360344.



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INDEED CO. Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986.

Reference No : CEMC/ASL/Jan-N-01/19

Name of Company : Ardent Steel Ltd

Sample Description : Noise Monitoring Report

Date of Monitoring : 10.01.2019
Date of Receiving : 11.01.2019
Date of Analysis : 11.01.2019

Sample Collected by : Santosh Kumar Mohanty

NOISE LEVEL STUDY REPORT

SI. No.	Location	Noise Level In Day Time dB(A)	Noise Level In Night Time dB(A)
01	Ball Mill (Cool Grinding)	73.9	69.1
02	Raw Material Transfer point of Mixture (Mixture Building)	71.2	65.7

NATIONAL STANDARD NOISE LEVEL

Area	Category of Area/Zone	Permissible Limit in dB (A)			
Code		Day Time	Night Time		
A	Industrial Area	75	70		
В	Commercial Area	65	55		
С	Residential Area	55	45		
D	Silence Zone	50	40		



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Reference No : CEMC/ASL/Jan-SE-01/19

Name of Company : Ardent Steel Ltd.
Sample Description : Stack Monitoring

Date of Monitoring : 10.01.2019
Date of Receiving : 11.01.2019
Date of Analysis : 11.01.2019

Sample Collected by : Santosh Kumar Mohanty

Stack Height : 30m

STACK EMISSION REPORT

Sl.	Location of Sampling	Flue Gas	Concentration of Particulate Matte (PM) in mg/Nm ³	
No.	1 0	Temp. in K	Result	
01	ESP	398	71.5	

Authorized Signatory Notes:

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MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986.

Reference No : CEMC/ASL/Jan GW-01/19

Name of Company
Sample Description
Cround Water
Date of Sampling
Date of Receiving
Date of Analysis
Ardent Steel Ltd.
Ground Water
10.01.2019
11.01.2019
11.01.2019

Sample Collected by : Santosh Kumar Mohanty
Sample Location : Office Site Bore Well

GROUND WATER TEST REPORT

SI. No	Parameter	Unit	Desired Limit of drinking water (BIS:10500:2012)	Permissible Limit of drinking water (BIS:10500:2012)	Result
1	Colour	Hazen	5	15	<5
2	Odour	-	Agreeable	Agreeable	AL
3	Taste	-	Agreeable	-	AL
4	Turbidity	NTU	1	5	<1
5	pH Value @ 25°C	-	6.5-8.5	No Relaxation	6.95
6	Total Dissolved Solid	mg/l	500	2000	322
7	Alkalinity as CaCO ₃	mg/l	200	600	80
8	Total Hardness as CaCO ₃	mg/l	200	600	124
9	Iron as Fe	mg/l	0.3	No Relaxation	0.25
10	Nitrate as NO ₃ -N	mg/l	45	No Relaxation	5.4
11	Sulphate as SO ₄	mg/l	200	400	14.4
-12	Fluoride as F	mg/l	1.0	1.5	0.2
13	Calcium as Ca	mg/l	75	200	30.8
14	Chloride as Cl	mg/l	250	1000	39.99

N.B: AL – Agreeable

Authorized Signatory

Notes:

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MANAGEMENT CONSULTANCY PVT. LTD.

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MCEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986.

Reference No : CEMC/ASL/Jan SW-01/19

Name of Company : Ardent Steel Ltd.

Date of Sampling
Sample Description
Surface Water
Date of Receiving
Date of Analysis

10.01.2019
Surface Water
11.01.2019
11.01.2019

Sample Collected by : Santosh Kumar Mohanty

Sample Location : Reservoir

SURFACE WATER TEST REPORT

Sl. No	Parameter	Unit	GSR 422E Standards	Result
1	Colour	Hazen		12
2.	Odour	_		U/O
3	pH Value @ 25°C	_	5.5-9.0	6.84
4	Total Dissolved Solid	mg/l	2100	152
5	Iron as Fe	mg/l	3.0	1.95
6	Sulphate as SO ₄	mg/l	1000	58.7
7	Nitrate as NO ₃ -N	mg/l	50	15.9
8	Boron as B	mg/l	2.0	0.5
9	BOD for 3 days @ 27 ⁰ C	mg/l	30	2.8
10	COD	mg/l	250	30

N.B: U/O- Un-objectionable

Authorized Signatory

Notes:

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ACCREDITATION -AND EMPANELMENT

Centre for Envotech and Management Consultancy Pvt. Ltd.

An ISO 9001-2008 & OHSAS 18001:2007 Certified Company,

Empanelled with:

- State Pollution Control Board (SPCB), Odisha as Environment Consultant under category –'A'.
- Orissa Construction Corporation Limited (OCCL) as Associated Consultant for carrying out EIA, FDP, Preparation of Wildlife Management Plan, GIS map, Socioeconomic survey, DGPS & ETS survey.
- Orissa Space Application Centre (ORSAC) for carrying out DGPS & ETS survey.
- Office of the Principal Chief Conservator of Forest (Wildlife) & Chief Wildlife Warden [PCCF (Wildlife) & CWLW], Odisha for preparation of Site Specific Wildlife Management Plans.

Accredited by:

- NABET, QCI for EIA Studies as 'A' Category Consultant Organization.
- NABL Accreditation Lab.

Enlisted in:

 Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India) for carrying out EIA, Waste Management & Audit, Turnkey solution of ETP & STP, Site Specific Wildlife Conservation Plan & Forest Diversion Proposals.

E-mail: cemc consultancy@yahoo.in, Website: www.cemc.in