

ELOQUENT STEEL PRIVATE LIMITED

CIN: U51909WB2012PTC185734 | GSTIN: 19AADCE1766F1ZN | PAN: AADCE1766F | LEI NO. 335800T2GAD2D636XG79

Ref.: ESPL-HCL/ES/2020-21

Date: 26.10.2021

The Sr. Environmental Engineer

West Bengal Pollution Control Board Asanso Regional Office ADDA Commercial Market (2nd Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301 Dist-Paschim Burdwan (WB)

Sub: Environment Statement (FY: 2020-21) of M/s Eloquent Steel Pvt. Limited (Formerly Hira Concast Limited), Vill & PO-Nakrajoria, PS-Salanpur, Dist-Paschim Burdwan (WB)-713357

Dear Sir,

With reference to above subject we are submitting the Environment Statement (Form-V) for financial year ending 31st March, 2021 of M/s Eloquent Steel Pvt. Limited (Formerly Hira Concast Limited), Vill & PO-Nakrajoria, PS-Salanpur, Dist-Paschim Burdwan (WB), for your kind consideration please.

Kindly acknowledge our submission

Thanking you,

Yours faithfully,

for Eloquent Steel Pvt. Limited (Formerly Hira Concast Limited) (Authorized Signatory)

Encl: As above.



Copy to:

The IGF & Incharge, GOI, MoEF&CC, Integrated Regional Office, Kolkata, IB-198, Salt Lake City, Sector-III, Kolkata- 700106

FORM – V ENVIRONMENTAL STATEMENT (See rule 14)

Environmental Statement for the financial year 2020-2021 ending with 31st March

PART-A

i. Name and address of the owner/occupier of the industry operation or process

Mr. Deepak Kumar Agarwal M/s Eloquent Steel Pvt. Limited (Formerly Hira Concast Limited) Vill. & PO. – Nakrajoria, PS – Salanpur, Dist – Paschim Burdwan (WB), PIN – 713357

ii. Industry category Primary - Large Secondary - Red

iii. Production category - Iron & Steel

iv. Year of establishment - (Our Group has acquired this establishment in Sept- 2017)

v. Date of the last environmental statement submitted: 23rd Oct 2020

PART – B

Water and Raw Material Consumption:

i. Water consumption in m^3/day

Process:-Cooling:270 m³/dDomestic:10 m³/d

Name of Products	Process water consumption (m ³) per unit of products							
	During the previous financial year (2019-20)	During the current financial year (2020-21)						
Silico-Manganese	1.75 m ³ /T	1.67 m ³ /T						
Ferro Manganese	-							
Billet	0.78 m ³ /T	0.96 m³/T						



ii. Raw material consumption

Name of raw	Name of	Consumption of raw material per unit of output (Kg/T)								
materials*	Products	During the previous financial year (2019-20)	During the current financial year (2020-21)							
FERRO Division										
Manganese Ore	Fe-Mn, &	-	2490.00							
Coal+Coke		-	681.00							
Dolomite		-	66.00							
Manganese Ore		2221.08	1878.00							
High Manganese Slag		0	543.32							
Coal+Coke	Si-Mn	611.57	755.00							
Dolomite		110.81	66.00							
Quartz/Gravels		57.42	318.60							
SMS Division										
Pig Iron		195.17	97.23							
Sponge Iron		786.45	845.98							
Scrap	- 59	128.14	170.62							
Ferro Shots	MS Billet	-	84.36							
Silico Manganese		-	11.47							
Ferro Manganese		-	2.31							
Ferro Silicon		-	0.18							

* <u>Industry may use codes</u> if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

(a) Water

Parameters	Unit	Quantity of Pollutants discharged (mass/day)	Concentration (mass/volume)	Percentage of variation from prescribed standards with reasons	
		vater goes to water collecti ust suppression purpose.	on pit through Plant D	rain Network and reuse	



(b) Ambient Air Quality

	Quantity of	Concen	tration of Pollu	itants discharge	ed (μg/m³)	Percentage of variation from
Pollutants	Pollutants discharged (mass/day)	Near Admin Building	Near Main Gate	Near DVC Meter Room	Dendua Village	Prescribed standards with reasons
PM _{2.5}	Sampling	49.83	48.07	41.70	44.78	
PM ₁₀	time 24	83.56	88.06	78.00	76.21	Within range
SO ₂	hours	6.82	7.04	6.00	6.61	within range
NOx	-	25.40	24.86	22.86	20.17	

Monitoring reports attached as Annexure-1

(c) Stack Monitoring Data

Pollutants	Location	Concentration of Pollutants discharged (mg/Nm ³)	Percentage of variation from prescribed standards with reasons
D14	SEAF (NO-1) 7.5 MVA	39.97	Within the range
PM	SEAF (NO-2) 5.5 MVA	42.19	within the range

Monitoring reports attached as Annexure-2

PART – D

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (MT)						
	During the current financial year (2019-20)	During the current financial year (2020-21)					
From Process	NIL	NIL					
From Pollution Control Facilities	NIL	NIL					

PART – E

Solid Wastes	Total Quantity (MT)						
	During the previous financial year (2019-20)	During the current financial year (2020-21)					
From Process	11378	22603					
From Pollution Control Facilities	1074	2168					
Quantity recycled or reutilized within the unit	1073	19339					



PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Solid waste Type	Quantity (TPA)	Disposal System						
Ferro manganese Slag	16690	Being used for the production of Silico manganese						
Silico-Manganese Slag	1717	Being used as aggregate material for land filling & road making						
BF flue Dust from Ferro	2060	Reused in process						
Induction Furnace Slag	3607	Being used as aggregate material for land filling & road making after meta recovery						
MS Scrap (SMS)	589	Reused in SMS						
BF flue dust from SMS	108	Used for land filling						

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

List of Environmental Management Programme (EMPs) are given below-

Description	Expenditure for Pollution Control measures on Conservation of Natural Resources (Rs. in lakhs)
Total Cost towards Air Pollution Control Measures, Environmental Monitoring, EHS Management & training, Waste Management System, EHS, Green Belt Development (Plantation & Plant Maintenance), CER, etc.	45.00

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Already included in Part G.

PART-I

MISCELLANEOUS

Any other particulars in respect of environmental protection and abatement of pollution.

- (1) We are complying with the directions given by the WBPCB, and getting regular Air & Water consents.
- (2) Periodic Environmental Monitoring being done by NABL accredited laboratory to ascertain the efficiency of pollution control systems installed.

Enclosure List:

1) Copies of analysis report.





Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017) Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018





150 14081 2011

TEST REPORT

FORMAT NO : ENV/FM/37

Name of the	:	Eloquent Stee	el Pvt. Ltd.		Type of Industry			:	Ferro Alloy	and	SMS Unit	
Industry			iown as – Hira Co)		-					ĥ.	
Address	:	Vill Nakrajo	oria, P.O. + P.S 9	Salanpur, I	Dist. – Paschim	Samp	ling Date		:	05.03.2021	L - 0	6.03.2021
		Bardhaman				Perio	d of Analysis		:	06.03.2021	L – 0	8.03.2021
						Date	of Issue		:	10.03.2021	L	
Sampling Pla	in &	Procedure :	ENV/SOP/01	Deviatio Plan	on from the Sam	pling M	ethod and	:	No	Type of Sample	:	Ambient Air
Sample ID N	0.	: ENV/08/M	arch/A/III		Report N	D. :	ENV/08/Ma	rch/	TR(A))/III/20-21		
A] <u>GENE</u>	RALI	NFORMATION										
1. Locat	ion	of Sampling	a di Manana	:	Near Adminis	istrative Buildings						
2. Dura	tion	of Sampling		:	24 hrs. (10:00	10:00 a.m. – 10:00 a.m.)						
B] <u>METE</u>	ORO	LOGICAL INFOR	MATION									
1. Avera	age T	emperature (°C)	:	28.0			1. All	6. re	194		
2. Avera	age F	Relative Humid	lity (%)	:	53.0							
3. Baron	metr	ic Pressure (m	m of Hg)	:	754.0							
4. Smell	l or ()dour	No Remarkab	cable Smell								
5. Weat	her	Condition		:	Clear sky							

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	49.83
2.	Concentration of PM ₁₀	$\mu g/m^3$	IS 5182 (PART 23) : 2006	83.56
3.	Concentration of SO_2	µg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.82
4.	Concentration of NO_2	µg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	25.40
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.20
5.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) 2004	< 0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
3.	Benzene (C ₆ H ₆)	µg/m³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH3)	µg/m³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23rd Ed 3114C : 2017	< 0.01

Reviewed By :

Johnkot

Approved By:

Bur

(Dr. S. B. Chowdhury, Technical Manager)

(Durbadal Chakraborty, Dy. Quality Manager)

H.O. Laboratory Email Overseas

: 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141 : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889 : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi : • UAE • Qatar • Netherlands









FORMAT NO : ENV/FM/37

Name of Industry		:	Eloquent Steel Pvt. Ltd.						Type of Industry				:	Ferro Alloy and SMS Unit		
Address		:	Vill Nakı	ajo	ria, P.O. + P.S S	Salanpur,	Dist.	- Paschim	San	npli	ng Date		:	05.03.2021	1 - 0	6.03.2021
			Bardhama		na na seconda de companya de la comp				Per	iod	of Analysis		:	06.03.2021	1 - 0	8.03.2021
									Dat	e of	Issue		:	10.03.2021	1	
						Deviati Plan	on fro	om the Samp	ling	Met	hod and	:	No	Type of Sample	:	Ambient Air
Sample I	D No.		: ENV/08	/Ma	arch/A/IV			Report No		:	ENV/08/Ma	rch/	TR(A))/IV/20-21		
A] <u>G</u>	ENER	AL I	NFORMATIO	N												
1. L	ocatio	on c	of Sampling			:		ar Main Gat eel Ltd.)	e (Common Entrance for Hira Concast Ltd. and Impex							
2. D	urati	on	of Sampling				: 24 hrs. (10:20 a.m. – 10:20 a.m.)									
B] M	ETEO	ROI	OGICAL INF	ORN	ATION											
1. A	Average Temperature (°C) : 28.0							.0								
2. A	Average Relative Humidity (%) : 53.0						.0									
3. B	Barometric Pressure (mm of Hg) : 754.0						4.0	.0								
			dour			:	No	No Remarkable Smell								

5. Weather Condition

C]	RESULTS
-	the second se

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	48.07
2.	Concentration of PM_{10}	µg/m³	IS 5182 (PART 23) : 2006	88.06
3.	Concentration of SO ₂	µg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	7.04
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	24.86
			2005 : Sec. 11 (Vol. 11.07) : 2011	

: Clear sky

Remarks

Reviewed By: Joletto

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

the

(Dr. S. B. Chowdhury, Technical Manager)

H.O.: 63/B, Rastraguru Avenue, Kolkata - 700028 [033-25792891/25497490, Fax : 033-25299141Laboratory: 189,190&192 Rastraguru Avenue, Kolkata - 700028 [033-25792889Email: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.orgBranch Office : * Siliguri * Haldia * Durgapur * Dhanbad * Gangtok * Port Blair * Dehradun * New DelhiOverseas: * UAE * Qatar * Netherlands









FORMAT NO : ENV/FM/37

Name o	of the	:	Eloquent Sta	eel Pvt. Lt	d.				Тур	e of	ndustry		:	Ferro Allo	and	d SMS Unit
Industr	y		(Formerly K	known as	- Hira Co	ncast Ltd	.) '							1		
Addres	s	:	Vill Nakra	ijoria, P.O	. + P.S S	Salanpur,	Dist.	- Paschim	Sam	plin	g Date		:	05.03.202	1 - 0	6.03.2021
			Bardhaman						Peri	iod o	f Analysi	S	:	06.03.202	1 – 0	8.03.2021
									Date	e of l	ssue		:	10.03.202	1	
Sampliı	ng Plar	1 & I	rocedure	ENV/S	SOP/01	Deviati Plan	on fro	om the Samj	oling	Meth	od and	:	No	Type of Sample	:	Ambient Air
Sample	ID No.		ENV/08/1	March/A/	V	-		Report No).	: 1	ENV/08/	March/	TR(A)/V/20-21		
A] 9	GENER	ALI	NFORMATION													
1.	Locati	ond	of Sampling		Serence .	:	Ne	ar DVC Met	er Ro	oom	(Back Si	de of Pl	ant)	3		
2.	Durati	ion	of Sampling	1		:	24	hrs. (10:40	a.m.	- 10	:40 a.m.)		13.12		
B]]	METEO	ROI	OGICAL INFO	RMATION												
1.	Avera	ge T	emperature	(°C)		:	28.	0	in the second			15.6				
2.	Avera	ge R	elative Hum	idity (%)		:	53.	0								
3.	Barom	netr	ic Pressure (mm of H	g)	:	75	4.0								
4.	Smell	or C	dour			;	No	Remarkab	le Sm	lell						
5.	Weath	er (Condition			:	Cle	ar sky								

PECIII TC

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	41.70
2.	Concentration of PM_{10}	µg/m ³	IS 5182 (PART 23) : 2006	78.0
3.	Concentration of SO_2	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	6.0
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO_2	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	22.86
			2005 : Sec. 11 (Vol. 11.07) : 2011	
		and the second se		

Remarks

Reviewed By:

Recognised by MoEF&CC, WBPCB & JSPCB

Accredited by NABL (ISO/IEC 17025:2017)

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. S. B. Chowdhury, Technical Manager)

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FORMAT NO : ENV/FM/37

Name of the Industry	:	Eloquent S		l Pvt. Ltd. own as – Hira Co	ncast Ltd.			Туре	of Industry		:	Ferro Alloy	and	l SMS Unit
Address	1:			oria, P.O. + P.S S			- Paschim	Sampl	ing Date		:	05.03.2021	- 0	6.03.2021
ind an obb		Bardhama	-		1 /		-		of Analysis		:	06.03.2021	- 0	8.03.2021
								Date o	f Issue		:	10.03.2021		
Sampling Pla	n & 1	Procedure	:	ENV/SOP/01	Deviatio Plan	on fro	om the Samp	ling Me	thod and	:	No	Type of Sample	:	Ambient Air
Sample ID No),	: ENV/08	/M	arch/A/VI			Report No	. :	ENV/08/M	larch/	TR(A)/VI/20-21	_	
A] GENE	RALI	NFORMATIC	<u>N</u>											
1. Locat	ion	of Sampling	ŗ	al a star	:	De	ndua Villag	e (1.0 k	m. distance	from	Plant	:)		
		of Sampling			UC	24	hrs. (11:20	a.m. –	11:20 p.m.)					
B] METE	ORO	LOGICAL INF	OR	MATION										
1. Avera	ige T	emperatur	e (C)	:	28	.0	03						
2. Avera	ige F	Relative Hu	mid	lity (%)	:	53	.0							
3. Baron	netr	ic Pressure	(m	m of Hg)	:	75	4.0							

- 4. Smell or Odour
- 5. Weather Condition

Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017)

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

C]	<u>RESULTS</u>			
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	44.78
2.	Concentration of PM_{10}	µg/m ³	IS 5182 (PART 23) : 2006	76.21
3.	Concentration of SO_2	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	6.61
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO_2	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	20.17
			2005 : Sec 11 (Vol. 11.07) : 2011	

: No Remarkable Smell

Clear sky

.

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. S. B. Chowdhury, Technical Manager)

H.O.: 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141Laboratory: 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889Email: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.orgBranch Office : = Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New DelhiOverseas: = UAE = Qatar = Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	:	Eloquent Ster (Formerly Kr	el Pvt. Ltd. 10wn as – Hira Co	ncast Ltd.)		Туре о	f Industry		:	Ferro Alloy	and	l SMS Unit
Address	:	Vill Nakraj	oria, P.O. + P.S S	Salanpur, Dist. – Pa	aschim	Sampli	ng Date		:	05.03.2021		
		Bardhaman				Period	of Analysis		:	06.03.2021	- 0	8.03.2021
						Date of	flssue		:	10.03.2021		
Sampling Plan	1&1	Procedure :	ENV/SOP/01	Deviation from Plan	the Samp	ling Me	thod and	:	No	Type of Sample	:	Source Emission
Sample ID No		: ENV/08/M	larch/A/I	R	Report No	. :	ENV/08/Marc	ch/1	rr(A)	/1/20-21		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.1) (7.5 MVA)		5	
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	36.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.60
Capacity	:	7.5 MVA	Height of sampling port (mtr.) (from G.L.)	:	30.0
Emission Due to	:	Reduction of Mn-Ore			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	: Yes
Working Fuel Consumption	:	Nil		Č.	
Pollution Control Device	:	Bag Filter		ł.,	

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	94.0	
2.	Barometric Pressure	mm of Hg.		:	754.0	
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	- 1	9.46	
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	55165.12	
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	167.13	
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 6.85	1.6	
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0	- 3
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	39.97	
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011			

Remarks

Reviewed By:

Approved By :

(Durbadal Chakraborty, Dy. Quality Manager)

(Dr. S. B. Chowdhury, Technical Manager)

H.O.: 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141Laboratory: 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889Email: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.orgBranch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New DelhiOverseas: • UAE • Qatar • Netherlands









FORMAT NO : ENV/FM/38

Name of the Industry	:	Eloquent S (Formerly		l Pvt. Ltd. own as – Hira Coi	ncast Ltd.)		Туре	0	f Industry		:	Ferro Alloy	and	I SMS Unit
Address	:	Vill Nak	rajo	ria, P.O. + P.S S	alanpur, Dist	Paschim	Samp	oli	ng Date		:	05.03.2021	í.	
		Bardhama					Perio	bd	of Analysis		:	06.03.2021	- 0	8.03.2021
							Date	of	Issue		:	10.03.2021		
Sampling Plai	1&1	Procedure	:	ENV/SOP/01	Deviation from Plan	n the Sam	oling M	let	thod and	3	No	Type of Sample	:	Source Emission
Sample ID No		: ENV/08	/M	arch/A/II		Report No	o. :		ENV/08/Marc	:h/1	rr(A)	/II/20-21		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.2) (5.5 MVA)		7		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	36.0)
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	2.0	
Capacity	:	5.5 MVA	Height of sampling port (mtr.) (from G.L.)	:	30.0)
Emission Due to	:	Reduction of Mn-Ore				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	:	Yes
Working Fuel Consumption	:	Nil		1		
Pollution Control Device	:	Bag Filter				

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	0C	IS : 11255 (Part 1)	:	82.0
2.	Barometric Pressure	mm of Hg.		:	754.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	8.83
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	83158.28
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	180.96
6.	Concentration of CO2	% (v/v)	IS 13270 1992 RA 2003	:	1.2
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	42.19
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011		

Reviewed By:

7.0 Loko

Recognised by MoEF&CC, WBPCB & JSPCB

Accredited by NABL (ISO/IEC 17025:2017)

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

Approved By :

INN

(Dr. S. B. Chowdhury, Technical Manager)

(Durbadal Chakraborty, Dy. Quality Manager)

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ELOQUENT STEEL PRIVATE LIMITED

CIN: U51909WB2012PTC185734 | GSTIN: 19AADCE1766F1ZN | PAN: AADCE1766F | State: West Bengal | State Code: 19

Ref.: ESPL-ISL/ES/2020-21

Date: 26.10.2021

The Sr. Environmental Engineer

West Bengal Pollution Control Board Asanso Regional Office ADDA Commercial Market (2nd Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301 Dist-Paschim Burdwan (WB)

Sub: Environment Statement (FY: 2020-21) of M/s Eloquent Steel Pvt. Limited (Formerly Impex Steel Limited), Vill & PO-Nakrajoria, PS-Salanpur, Dist-Paschim Burdwan (WB)-713357

Dear Sir,

With reference to above subject we are submitting the Environment Statement (Form-V) for financial year ending 31st March, 2021 of M/s Eloquent Steel Pvt. Limited (Formerly Impex Steel Limited), Vill & PO-Nakrajoria, PS-Salanpur, Dist-Paschim Burdwan (WB), for your kind consideration please.

Kindly acknowledge our submission

Thanking you,

Yours faithfully,

for Eloquent Steel Pvt. Limited





Copy to:

The IGF & Incharge, GOI, MoEF&CC, Integrated Regional Office, Kolkata, IB-198, Salt Lake City, Sector-III, Kolkata-700106

FORM – V ENVIRONMENTAL STATEMENT (See rule 14)

Environmental Statement for the financial year 2020-2021 ending with 31st March

PART-A

i. Name and address of the owner/occupier of the industry operation or process

Mr. Deepak Kumar Agarwal M/s Eloquent Steel Pvt. Limited (Formerly Impex Steel Limited) Vill. & PO. – Nakrajoria, PS – Salanpur, Dist – Paschim Burdwan (WB), PIN – 713357

ii. Industry category Primary - Large Secondary - Red

iii. Production category - Iron & Steel

iv. Year of establishment - (Our Group has acquired this establishment in December- 2017)

v. Date of the last environmental statement submitted

23rd Oct 2020

PART – B

Water and Raw Material Consumption:

i. Water consumption in m^3/day

Process:-Cooling:280 m³/dDomestic:10 m³/d

Name of Products	Process water consumption (m ³) per unit of products					
	During the previous financial year (2019-20)	During the current financial year (2020-21)				
Silico-Manganese	1.73 m ³ /T	1.99 m ³ /T				
Ferro Manganese	-					
Billet	1.01 m ³ /T	0.96 m ³ /T				



ii. Raw material consumption

Name of raw	Name of	Consumption of raw materi	al per unit of output (Kg/T)
materials*	Products	During the previous financial year (2019-20)	During the current financial year (2020-21)
FERRO Division			
Manganese Ore	Ferro	-	2490.00
Coal+Coke	Manganese,	-	659.00
Dolomite		-	86.00
Manganese Ore	Silico-	2235.72	1678.76
High Manganese Slag	Manganese,	0.0	560.87
Coal+Coke		627.05	730.00
Dolomite		121.34	82.00
Quartz/Gravel		46.86	282.28
SMS Division			202.20
Sponge Iron	MS Billet	878.69	843.22
Scrap		129.28	167.83
Pig Iron		141.02	107.03
Ferro Shots		_	78.00
Silico Manganese		-	11.61
Ferro Manganese		-	11.01
Ferro Silicon		-	0.12

* <u>Industry may use codes</u> if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

(a) Water

Parameters	Unit	Quantity of Pollutants discharged (mass/day)	Concentration (mass/volume)	Percentage of variation from prescribed standards with reasons
eakages, spillages and	overflow w	ater goes to water collection	on pit through Plant D	rain Network and reuse
or Green Belt Developr	nent and du	st suppression purpose.		



(b) Ambient Air Quality

	Quantity of	Concent	ration of Polluta	nts discharged (µg/m ³)	Percentage of variation
Pollutants	Pollutants discharged (mass/day)	Near Admin Building	Nakrajoria Village	Near MCC Room Building (Back side of the Plant	from Prescribed standards with reasons
PM _{2.5}	Sampling	48.33	44.18	49.60	
PM ₁₀	time 24	73.01	74.96	76.0	Market in all
SO ₂	Sampling	5.76	5.54	5.97	Within the range
NOx		24.86	18.62	20.78	1

Monitoring reports attached as Annexure-1

(c) Stack Monitoring Data

Pollutants SAF (NO-1) 7.5 MVA		Concentration of Pollutants discharged (mg/Nm ³)	Percentage of variation from prescribed standards with reasons
	SAF (NO-1) 7.5 MVA	30.08	
PM	SAF (NO-2) 7.5 MVA	42.38	Within the range
	Ind. Furnace	32.20	

Monitoring reports attached as Annexure-2

PART – D

(As specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (MT)					
	During the current financial year (2019-20)	During the current financial year (2020-21)				
From Process	NIL	NIL				
From Pollution Control Facilities	NIL	NIL				

PART – E

Solid Wastes	Total Qua	intity (MT)
а -	During the previous financial year (2019-20)	During the current financial year (2020-21)
From Process	24381	24946.65
From Pollution Control Facilities	1932	2288.89
Quantity recycled or reutilized within the unit	1826	6257.45



PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Solid waste Type	Quantity (TPA)	Disposal System		
Silico-Manganese Slag	17513	Being used as aggregate material for land filling & road making		
Ferro Manganese Slag	3659	Being used for the production of Silico manganese		
Induction Furnace Slag	3397	Being used as aggregate material for land filling & road making after meta recovery		
BF flue Dust from Ferro	2221	Reused in process		
BF flue dust from SMS	68	Used for land filling		

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

List of Environmental Management Programme (EMPs) are given below-

Description	Expenditure for Pollution Control measures on Conservation of Natural Resources (Rs. in lakhs)
Total Cost towards Air Pollution Control Measures, Environmental Monitoring, EHS Management & training, Waste Management System, EHS, Green Belt Development (Plantation & Plant Maintenance), CER, etc.	22.00

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution.

Already included in Part G.

PART-I

MISCELLANEOUS

Any other particulars in respect of environmental protection and abatement of pollution.

- (1) We are complying with the directions given by the WBPCB, and getting regular Air & Water consents.
- (2) Periodic Environmental Monitoring being done by NABL accredited laboratory to ascertain the efficiency of pollution control systems installed

Enclosure List:

1) Copies of analysis report as Annexure-1 & 2



Annexure-1



Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017) Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018





ACCRED California MSCB-1



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Eloquent S (Formerly		el Pvt. Ltd. own as – Impex S	Steel Ltd.)		Type of Industry		:	Ferro Alloy	and	l SMS Unit
Address	:	Vill Nak	rajo	oria, P.O. + P.S S	Salanpur, Dist. – Pasc	him	Sampling Date		:	05.03.2021	- 0	6.03.2021
		Bardhama	n			_	Analysis completed or	n	:	06.03.2021	- 0	8.03.2021
							Date of Issue		:	09.03.2021		
Sampling Plan & Procedure : ENV/SOP/01 Dev		Deviation from the Sampling Method and Plan :		:	No	Type of Sample	:	Ambient Air				
Sample ID No	. [: ENV/07	/M	arch/A/IV	Repo	rt No	: ENV/07/Marc	h/T	R(A)/	/IV/20-21		

A] GENERAL INFORMATION

Location of Sampling
 Duration of Sampling

Near Administrative Building 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

		and the second second	
1.	Average Temperature (°C)	:	28.0
2.	Average Relative Humidity (%)	:	53.0
3.	Barometric Pressure (mm of Hg)	:	754.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Clear sky

:

:

C] <u>RESULTS</u>

SL. NO.	PARAMETERS	PARAMETERS UNIT METHOD NO		RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	48.33
2.	Concentration of PM10	$\mu g/m^3$	IS 5182 (PART 23) : 2006	73.01
3.	Concentration of SO_2	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.76
4.	Concentration of NO_2	µg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	24.86
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	$\mu g/m^3$	IS 5182 (Part 22) 2004	< 0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m³	NIOSH Manual of Analytical Method, 4th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	< 0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23rd Ed 3114C : 2017	< 0.01
13.	Mercury	mg/m ³	EPA 10.5 : 1999	0.02

Remarks

Reviewed By :

Approved By :

(Dr. S. B. Chowdhury, Technical Manager)

(Durbadal Chakraborty, Dy. Quality Manager)

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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018







TEST REPORT

FORMAT NO : ENV/FM/37

Name of the	:	Eloquent					Type of Industry		:	Ferro Alloy and SMS Unit			
Industry				own as – Impex S					-	diss)			
Address								:	05.03.2021	- 0	6.03.2021		
Bardhaman						Analysis completed on			06.03.2021 - 08.03.2021				
							Date of Issue		:	09.03.2021			
Sampling Plan	1&	Procedure	:	ENV/SOP/01	Deviation from t	the Samp	ling Method and Plan	:	No	Type of Sample	:	Ambient Air	
Sample ID No	.	: ENV/07	7/M	arch/A/V	Re	eport No.	: ENV/07/Mar	ch/T	R(A)	/V/20-21			

A] GENERAL INFORMATION

Location of Sampling
 Duration of Sampling

Nakrajoria Village (1 km. Distance from Plant)
24 hrs. (08:00 a.m. - 08:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)
2	Among Deleting Unmidity (0/)

- Average Relative Humidity (%)
 Barometric Pressure (mm of Hg)
- 4. Smell or Odour
- Smell of Odour
 Weather Condition

: No Remarkable Smell : Clear sky

: 28.0

: 53.0

754.0

:

C] <u>RESULTS</u>

ս	RESULIS			
SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	44.18
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	74.96
3.	Concentration of SO_2	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	5.54
			2007: Sec. 11 (Vol. 11.07) : 2011	
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	18.62
			2005 : Sec 11 (Vol. 11.07) : 2011	

Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. S. B. Chowdhury, Technical Manager)

H.O.: 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141Laboratory: 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889Email: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.orgBranch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New DelhiOverseas: = UAE = Qatar = Netherlands









FORMAT NO : ENV/FM/37

	of the	:	Eloquent Steel	Pvt. Ltd.		2	Type of Industry		:	Ferro Alloy	and	SMS Unit		
Indus			(Formerly know	wn as – Impex S	Steel Ltd.)		C P to			05 02 202	1 0	6 02 2021		
Addre	ess	:		ia, P.O. + P.S S	Salanpur, Di	st. – Paschim	Sampling Date	20	:	05.03.2021		the second s		
			Bardhaman				Analysis completed or	1	:	06.03.2021 - 08.03.2021 09.03.2021				
				ENTLICOD IA4	Datition	for the Comm	Date of Issue		: No	Type of		Ambient Air		
Samp	ling Pla	n &	Procedure :	ENV/SOP/01	Deviation	from the Sam	pling Method and Plan	:	NO	Sample		Amblette A		
Samp	le ID No		: ENV/07/Ma	rch/A/VI		Report No	. : ENV/07/March	h/T	R(A)/	VI/20-21				
A]	GENER	AL	NFORMATION											
1.	Locati	ion	of Sampling	and the second		Near M.C.C. B	uilding (Back Side of t	he I	Plant)	Contraction of the second				
2.			of Sampling	4.5	:		0 a.m 10:00 a.m.)		0.53	and the second s				
B]	METEO	DRO	LOGICAL INFORM	ATION										
1.	Avera	ge '	Cemperature (°C	2)	:	28.0								
2.		-	Relative Humidi			53.0								
3.	Baron	neti	ric Pressure (mr	n of Hg)	:	754.0								
4.	Smell	or	Odour		:	No Remarkal	ole Smell							
5.	Weat	ner	Condition		:	Clear sky					_			
C]	RESUL	TS												
SL. NO.]	PAF	RAMETERS	UNIT			METHOD NO.	ALC: NO			F	RESULTS		
1.	Conce	enti	ration of PM _{2.5}	µg/m ³	U	SEPA 1997a,	40 CFR Part 50, Appe	ndi	ix L			49.60		
2.	Conce	enti	ration of PM ₁₀	µg/m ³		IS 518	2 (PART 23) : 2006					76.0		
3.	Conce	enti	ration of SO ₂	µg/m ³	IS 518	2 (Part 2) 20	01 & ASTM D 2914-03	1 re	eappr	oved		5.97		
				in the second		2007: Se	c. 11 (Vol. 11.07) : 20	11						
4.	Conce	enti	ration of NO ₂	µg/m ³	IS 5182	(Part 6) 200	6 & ASTM D 1607-91	rea	appro	oved		20.78		
						2005 : Sec 11 (Vol. 11.07) : 2011								
				200 Area State State of the						10 C				

Remarks

Reviewed By:

Recognised by MoEF&CC, WBPCB & JSPCB Accredited by NABL (ISO/IEC 17025:2017)

Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. S. B. Chowdhury, Technical Manager)

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 : * UAE* Qatar* Netherlands

Annexure - 2



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the	:	Eloquent Stee	l Pvt. Ltd.		1	Гуре	of Industry		:	Ferro Alloy and SMS Unit		
Industry		(Formerly know	own as - Impex S	steel Ltd.)						100	_	
Address	ldress : Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – Paschi						ling Date	:	: 05.03.2021			
	Bardhaman				I	Analysis completed on				06.03.2021	1-08.03.2021	
					I	Date	of Issue		:	09.03.2021		
Sampling Plan	1&	Procedure :	ENV/SOP/01	Deviation from the S	amplii	ng Me	ethod and Plan	:	No	Type of Sample	:	Source Emission
Sample ID No	. T	: ENV/07/M	arch/A/I	Repor	No.	:	ENV/07/March	n/T	R(A)/	'I/20-21		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.1) Through APC system		5		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	36.	0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.6	0
Capacity	:	7.5 MVA	Height of sampling port (mtr.) (from G.L.)	:	27.	0
Emission Due to	:	Combustion of Coke & Reduction of Mn-Ore				
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	:	Yes
Working Fuel Consumption	:	Nil				
Pollution Control Device	:	Bag Filter (2 nos.) [756 bags in each Bag Filter		30		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
1.	Flue Gas Temperature	oC	IS : 11255 (Part 1)	:	74.0
2.	Barometric Pressure	mm of Hg.		:	754.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	11.87
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	73193.81
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	:	18.80
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	:	1.6
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	30.08
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011		

Remarks

Reviewed By:

Jelako

Approved By:

NAN

(Dr. S. B. Chowdhury, Technical Manager)

(Durbadal Chakraborty, Dy. Quality Manager)

: 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141 H.O. Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889 : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org Email Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi : • UAE • Qatar • Netherlands Overseas







FORMAT NO : ENV/FM/38

Name of the Industry	:		Eloquent Steel Pvt. Ltd. (Formerly known as – Impex Steel Ltd.)					Type of Industry			Ferro Alloy and SMS Unit		
Address	:	Vill. – Nak	rajo	oria, P.O. + P.S. – S	Salanpur, Dist.	– Paschim	Sampling Date			:	05.03.2021		
		Bardhama	Bardhaman				Analysis completed on			:	06.03.2021 - 08.03.2021		
							Date of Issue			:	09.03.2021		
Sampling Plan	1 & I	Procedure	:	ENV/SOP/01	Deviation fro	m the Samp	ling Mo	ethod and Plan	:	No	Type of	:	Source
											Sample		Emission
Sample ID No.		: ENV/07	'/M	arch/A/II		Report No	. :	ENV/07/March	ı/Tl	R(A)/	'II/20-21		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	SEAF (No.2) Through APC system			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	36.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.60
Capacity	:	7.5 MVA	Height of sampling port (mtr.) (from G.L.)	:	27.0
Emission Due to	:	Combustion of Coke & Reduction of Mn-Ore			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladder	r	: Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter (2 nos.) [756 bags in each Bag Filter]			

<u>B. RESULTS</u>

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS
NO.					
1.	Flue Gas Temperature	о С	IS : 11255 (Part 1)	:	70.0
2.	Barometric Pressure	mm of Hg.		:	754.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)		12.94
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	:	80729.74
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	- 1	27.85
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003		1.4
7.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	:	<1.0
8.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D		42.38
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec		
			11(Vol. 3 11.07) : 2011		

Remarks :

Reviewed By :

Delenk

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(In

(Dr. S. B. Chowdhury, Technical Manager)

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Branch Office : Siliguri = Haldia = Durgapur = Dhanbad = Gangtok = Port Blair = Dehradun = New Delhi
Overseas := UAE = Qatar = Netherlands







FORMAT NO : ENV/FM/38

Name of the Industry	:	Eloquent S (Formerly		l Pvt. Ltd. own as – Impex S	iteel Ltd.)		Type of Industry				:	Ferro Alloy and SMS Unit			
Address	:	Vill. – Nak	rajo	oria, P.O. + P.S. – S	Salanpur, Dist.	– Paschim	Sampling Date				:	05.03.2021			
		Bardhama	rdhaman				Analysis completed on				:	06.03.2021 - 08.03.2021			
							Date	e o	of Issue		:	09.03.2021			
Sampling Plar	1 & I	Procedure	:	ENV/SOP/01	Deviation fro	om the Samp	oling M	Мe	thod and Plan :		No	Type of	:	Source	
											Sample		Emission		
Sample ID No		: ENV/07	//M	arch/A/III		Report No	. :	:	ENV/07/March/	TR	(A)/	III/20-21			

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	Hood Over Induction Furnace (2 7 MT/Bat	ch) attached to common stack		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	22.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	1.10
Capacity	:	2 x 7 MT/Batch (1 Batch = 2 hrs.)	Height of sampling port (mtr.) (from G.L.)	:	18.0
Emission Due to	:	Melting of Sponge, Pig Iron & Scrap			
Fuel Used	:	Electrically Operated	Permanent Platform & Ladde	r	: Yes
Working Fuel	:	Nil			
Consumption			and the second secon		
Pollution Control Device	:	Bag Filter (2 nos.)			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS
	Flue Gas Temperature	0C	IS : 11255 (Part 1)	:	53.0
2.	Barometric Pressure	mm of Hg.		:	754.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	:	10.31
4.	Quantity of Gas flow	Nm³/hr.	IS : 11255 (Part III)	- :	31947.18
5.	Concentration of	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D	:	32.20
	Particulate Matter	-	3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011		

Remarks :

Reviewed By :

Dabat

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

The

(Dr. S. B. Chowdhury, Technical Manager)