



# ELOQUENT STEEL PRIVATE LIMITED

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

Ref. - ESPL/ISL/SMC/April 2019-Sept.2019

Date: 02/03/2020

To,  
✓ The Dy. Director General of Forests (Central)  
Eastern Regional Office,  
Ministry of Environment Forests & Climate Change,  
A/3, Chandrashekharpur, Bhubaneswar - 751023 (Odisha)

**SUB: Six Monthly (April 2019 to Sept. 2019) Compliance to Environmental Clearance conditions vide MoEF F. No. J-11011/188/2011-IA- II (I) Dated 20<sup>th</sup> September, 2012 by M/s Impex Steel Limited (Currently known as Eloquent Steel Pvt. Ltd.) Vill-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Burdwan-713357, (WB)**

Dear Sir,  
With reference to above, we are submitting enclosed herewith the six monthly compliance report (Period April 2019 to Sept. 2019) for M/s Impex Steel Ltd. (Currently known as Eloquent Steel Pvt. Ltd.) Village -Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Burdwan (WB) as per the directives of Ministry of Environment and Forest, Government of India. Point wise compliance status report, latest environment monitoring data along with soft copy in CD is enclosed for your kind perusal. Hope you will find the same in order.

Kindly acknowledge our submission.

Thanking You.

Yours Faithfully,

For Impex Steel Limited  
(Currently known as Eloquent Steel Pvt. Ltd.)

Authorized Signatory

Encl: as above



Copy to:

The Sr. Environmental Engineer, West Bengal Pollution Control Board, Asansol Regional Office, ADDA Commercial Market (2<sup>nd</sup> Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301, Dist-Paschim Burdwan (WB).

Dial 1800 266 8888

EU241662962IN TVR:6985241662962  
5P SULTANPUR AVADH HD (228001)  
Counter No:7,07/03/2020,15:37  
To: DY DIR GEN OF FOREST, ODISHA  
PIN: 751023, S.E Rly, Proj. Complex S.O  
From: M/S ELOQUENT, WB  
Wt: 725gms  
Amt: 166.20 (Cash) Tax: 16.20  
Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)



Regd. Office: "Diamond Prestige", 41A, A.J.C. Bose Road, 8th floor #801, Kolkata - 700 017, West Bengal, India.  
Works: Mouza - Nacrojoria, P.O. - Salanpur, P.S. - Salanpur, District - Bardhaman, West Bengal - 713357, India.  
Telefax: 033 6625 5252 | Email: [eloquentsteel@gmail.com](mailto:eloquentsteel@gmail.com) | Web: [www.shakambhariispat.com](http://www.shakambhariispat.com)

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Copy to:

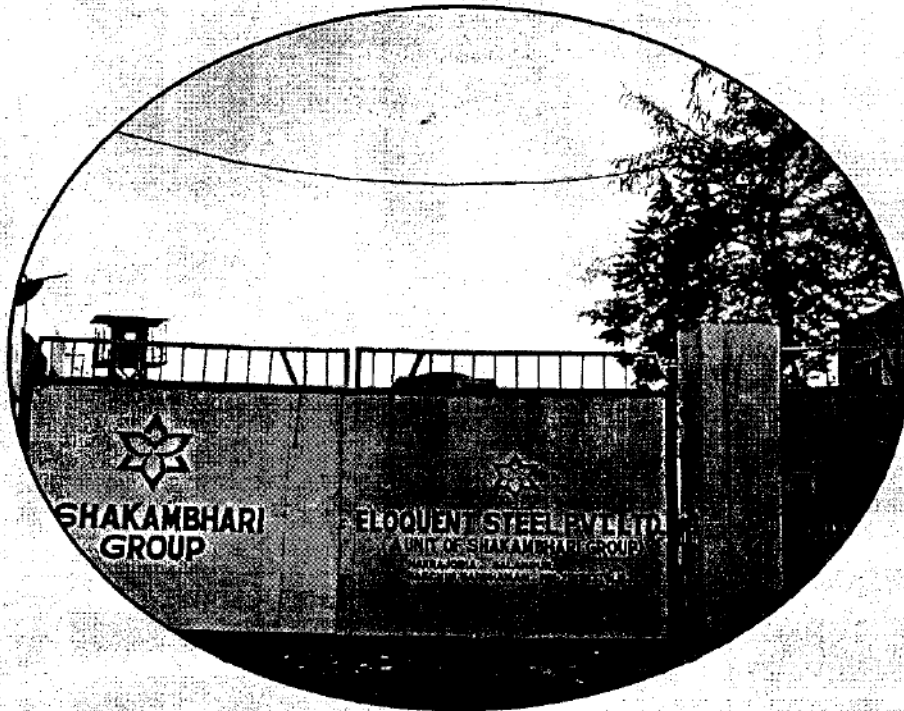
The Sr. Environmental Engineer, West Bengal Pollution Control Board, Asansol Regional Office,  
ADDA Commercial Market (2<sup>nd</sup> Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301  
Dist-Paschim Burdwan (WB).

*16/03/2020*

Received  
(Content Not Verified)  
West Bengal Pollution Control Board  
Asansol Regional Office  
2nd Floor ADDA Commercial Complex  
Opposite Fire Station, Asansol - 713301

# SIX MONTHLY COMPLIANCE REPORT

April, 2019 - September, 2019



Prepared by:

M/s Impex Steel Ltd.

(Currently known as M/s. Eloquent Steel Pvt Ltd)

Vill-Nakrajoria, PO-Salanpur, Dist-Paschim Burdwan (WB)-713357



# Impex Steel Limited

## COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Vide MoEF & CC, F. No. : J-11011/188/2011-IA-II (I) Dated: 20<sup>th</sup> Sept., 2012

### COMPLIANCE PERIOD:

APRIL-2019 TO SEPTEMBER-2019

#### INTRODUCTION

The project of M/s Impex Steel Ltd. (currently known as M/s. Eloquent Steel Pvt. Ltd.) is located at Village-Nakrajoria, PO & PS- Salanpur, District- Paschim Burdwan-713357, West Bengal.

Eloquent Steel Private Limited (ESPL) was incorporated in the year 2012. As per Certificate of Incorporation Corporate Identity Number is U 51909 WB 2012 PTC 185734, 2012-13 dated 11.09.2012 issued by the Registrar of Companies, Kolkata. For the purpose of setting up Ferro Alloy Plant, ESPL has acquired 2 existing Plants which are located adjacent to each other with common boundary wall through Auction from Official Liquidator of Hon'ble High Court, Calcutta and also through bidding in Auction Notice issued by Stressed Asset Management Branch of State Bank of India, Kolkata. The Impex Steel Ltd was obtained from SBI, SAMB, Kolkata and the possession received date – 22.12.2017 (**Annexure-1**). Date of land registry in the name of Eloquent Steel Pvt. Ltd. from Impex -12.04.2018. The Units were not in operation for about three years and was put up for auction by the authorities. The Required Maintenance and Overhauling work started from April, 2018.

M/s. Impex Steel Ltd. (currently known as M/s. Eloquent Steel Pvt. Ltd.) was granted Environmental Clearances from GoI, MoEF & CC (Impact Assessment Division) and Consent to Establish as well as Consent to Operate from West Bengal Pollution Control Board respectively. As part of the compliance of statutory requirement environmental quality monitoring has been carried out by M/s Envirocheck, Kolkata, West Bengal. The details' regarding compliance has been mentioned herewith in the following pages for the six monthly period of March, 2019 to September, 2019.



## Six Monthly EC Compliance Report

Name of the Project	:	<b>M/s Impex Steel Limited.</b> (Currently known as Eloquent Steel Pvt. Ltd.) Village-Nakrajoria, PO & PS-Salanpur, Dist. -Paschim Burdwan (WB)
Environmental Clearance Letter No	:	J-11011/188/2011-IA-II (I) Dated 20 <sup>th</sup> September, 2012
Period of Compliance Report	:	April 2019 to September 2019

Sl. No.	CONDITIONS	COMPLIANCE STATUS
<b>A. SPECIFIC CONDITIONS:</b>		
i.	No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.	No charcoal is used as fuel.
ii.	Continuous monitoring facilities for all the major stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm <sup>3</sup> .	Since the unit was not in operation and is recently undertaken, the direction for installation of continues monitoring facilities will be complied.  Air pollution control devices viz. bag filters along with dust extraction system have been installed and efficiently operated to control emission level well within the norms.  Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels.  Latest stack monitoring report in enclosed as Annexure-2
iii.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	It is being followed. Latest Ambient Air Quality Monitoring Report is enclosed as Annexure-3
iv.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.	Utmost priority is given to reduce the air pollution within the plant. Suitable control measures have been undertaken to keep fugitive emission level within the latest permissible limits. Latest work zone (Fugitive Emission) monitoring report is enclosed as Annexure-4.



v.	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Regular monitoring being done for effluent, surface and ground water and no effluent discharged outside the factory premises. Latest monitoring report is enclosed as Annexure-5.
vi.	The total water requirement shall not exceed 45m <sup>3</sup> /day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises. Permission from the competent authority for drawl of water shall be obtained.	All possible attempts are taken to ensure optimal use of water. Recycle and Reuse practice has been adapted by us and no waste water being discharged outside the factory premises. Necessary permission from District Level Ground Water Authority for drawl of ground water has been taken. Please refer Annexure-6.
vii.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.	There is rain water harvesting pond to harvest the rain water and reduce the water consumption.
Viii.	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). All the other ferro alloy slag shall be used in the preparation of building materials.	Silico Manganese slag generated from ferro alloy unit and the slag from induction furnace being used for land filling and road construction work.
ix.	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	No Ferro Chrom is being manufactured.
X.	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.	It shall be prepared and submitted.
Xi.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 16th November, 2011 should be satisfactorily	It is being complied. We have instigated the compliance of commitments made during public hearing i.e. up gradation of educational facilities, organizing health checkup camps for nearby villagers, abatement of



	implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	pollution, providing necessary PPEs to the workers for safety etc. BSIPL have dedicated HR department to take care of CSR activities.
Xii.	As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Green belt development has been initiated by planting the indigenous species in consultation with DFO along with maintenance of existing plantation. Some pics are attached as Annexure-7.
Xiii.	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	It is being complied. We have initiated to comply with socio-economic development activities in surrounding villages. As a part of Enterprise Social Commitment we are facilitating study materials to the school students (school bags and books, pencil box, water bottle etc.) of nearby villages, lifesaving jackets to boats man of Mithon Dam, Health checkup camp with free medicine distribution and contributing towards social causes etc.
xiv.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	It shall be complied.
<b>B. GENERAL CONDITIONS:</b>		
i.	The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government.	Being adhered as per the stipulation made by WBPCB and State Government. Consent to Operate obtained from WBPCB is attached as Annexure-8.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No further modification or expansion will be undertaken without prior approval of the MoEF & CC.
iii.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM, SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the WBPCB including one ambient air	Ambient Air Quality Monitoring being carried on as per direction in consideration of maximum ground level concentration of SPM, SO <sub>2</sub> , and NO <sub>x</sub> . Latest Ambient Air Quality monitoring reports for PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>2</sub> and stack monitoring report is enclosed in Annexure-3 & Annexure-2



	quality monitoring station in the downwind direction. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the WBPCB / CPCB once in six months	
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No industrial waste water being discharged outside the factory premises.
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	The overall noise levels in and around the plant are kept well within the standard limit.  Latest ambient and work zone noise reports are attached as Annexure -9A & 9B.
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance programme for the employees being carried and records are maintained.
vii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have rain water harvesting pond to harvest the rain water and reduce the water consumption.
viii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Environmental protection measures have been implemented for effective compliance recommended in EIA/EMP reports.  We have initiated to comply with socio-economic development activities in surrounding villages. As a part of Enterprise Social Commitment we are providing jobs to the local people and facilitating study materials to the school students (school bags and books, pencil box, water bottle etc.) of nearby villages, lifesaving jackets to boats man of Mithon Dam, Health checkup camp with free medicine distribution and contributing towards social causes etc.





ix.	Requisite amount shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Requisite funds have been earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by MoEF & CC. Accordingly necessary facilities like bag filters along with dust extraction system, Water sprinkling system for fugitive dust suppression, water tankers for dust suppression on roads, green belt development and water recycling system etc. have been installed for abatement of the environmental pollution. Suitable manpower have been engaged for an efficient operation, monitoring and maintenance of the devices installed.
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Clearance letter has already sent to concerned local body. The EC copy is attached as Annexure- 10
xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the WBPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	It will be uploaded and complied as per the direction.
xii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-	It is being complied.



	mail) to the Regional Office of MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions	
xiii.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	The environment statement will be submitted as per the direction.
xiv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the WBPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	Complied.
xv.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Financial closure as well as date of start of land development work has already informed.



## DETAILS OF ENVIRONMENTAL MONITORING

### 1. AMBIENT AIR QUALITY MONITORING

#### Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out in the month of June, 2019 in four locations to assess the ambient air quality of Project Site. This will enable to have an analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The location of the ambient air quality monitoring station is given in Table 1.1.

Table 1.1 Details of Ambient Air Quality Monitoring Stations

Sl. No.	Location Code	Location Name/ Description	Environmental Setting
1.	AAQ-1	Near Adm Building	Ferro Alloys and SMS Plant
2.	AAQ-2	Near Main gate	Ferro Alloys and SMS Plant
3	AAQ-3	Near Nakrajoria village	Ferro Alloys and SMS Plant
4	AAQ-4	Near MCC Building	Ferro Alloys and SMS Plant

#### Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 (PM<sub>2.5</sub>)
- Particulate Matter 10 (PM<sub>10</sub>)
- Sulphur Dioxide (SO<sub>2</sub>)
- Oxides of Nitrogen (NO<sub>x</sub>)

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in Table 1.2.

Fine Particulate Sampler APM 550 instruments have been used for monitoring Particulate Matter 2.5 (PM<sub>2.5</sub> i.e. <2.5 microns), and Respirable Dust Sampler APM 450 was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO<sub>2</sub>, and NO<sub>x</sub>.

Table 1.2 Techniques used for Ambient Air Quality Monitoring

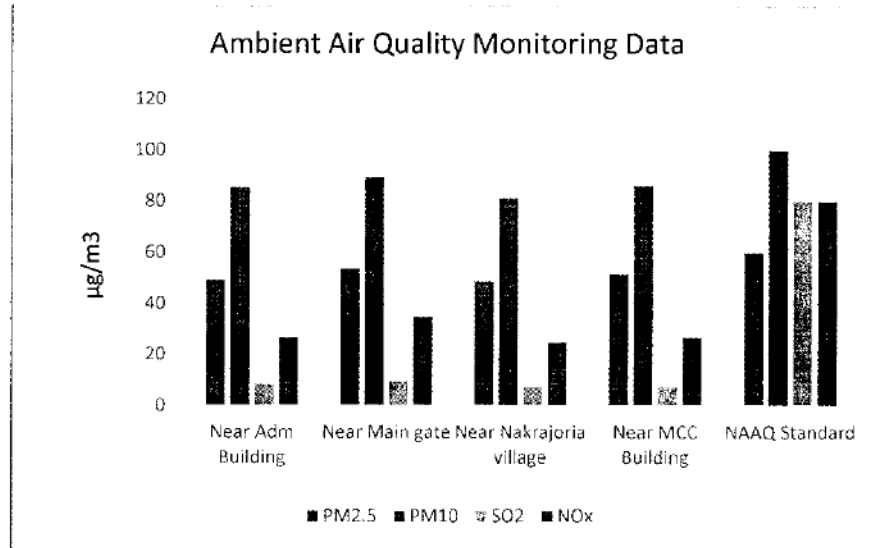
S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5 (PM <sub>2.5</sub> )	USEPA 1997a, 40 CFR Part 50, Appendix L	IS-5182 (Part-IV)
2	Particulate Matter 10 (PM <sub>10</sub> )	IS 5182 (PART 23) : 2006	IS-5182 (Part-23)
3	Sulphur dioxide	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	IS-5182 (Part- II)
4	Nitrogen dioxide	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	IS-5182 (Part-VI)

#### Ambient Air Quality Monitoring Results

The detailed on-site monitoring results of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> are presented in Table 1.3.

Table 1.3 Ambient Air Quality Monitoring Results

	25.06.2019 - 26.06.2019	Near Adm Building	Near Main gate	Near Nakrajoria village	Near MCC Building	NAAQ Standard
April 2019 to Sept. 2019	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	49.26	53.81	48.72	51.68	60
	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	85.38	89.48	81.20	86.18	100
	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	8.50	9.56	7.44	7.22	80
	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	26.77	34.96	24.97	26.77	80



#### Discussion on Ambient Air Quality in the Study Area

Maximum values of PM<sub>10</sub> and PM<sub>2.5</sub> observed near main gate. Similarly max. values of SO<sub>2</sub> and NO<sub>x</sub> also observed near the main gate. However all monitored values are within the stipulated limits as prescribed for National Ambient Air Quality Standards.

## 2. STACK GAS MONITORING

Stack gas is generated from many combustion sources, including incinerators, kilns and thermal oxidizers. A thermal oxidizer is a process for the treatment of air exhaust and is commonly used during the incineration of waste. When the stack is mixed with air, the exhausting gas is cool enough to be measured by a thermal mass flow meter, thereby getting the benefit of the fast response and wide turn down of the device. Measuring the flow rate of stack gas is required in order to calculate the overall mass of gas over time. This is a requirement for many environmental regulations.

The sample was taken on 25th June, 2019.

The result of the stack attached to SEAF No.1 are given in tabular form in Table 2.1:

Parameters	Results	Methods
Flue Gas Temperature (°C)	63.0	IS : 11255 (Part 1)
Barometric Pressure (mm of Hg.)	755.0	--
Velocity of Gas flow (m/s)	13.34	IS : 11255 (Part 3)
Quantity of Gas flow (Nm <sup>3</sup> /hr.)	88795.67	IS : 11255 (Part III)
Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	112.79	IS 11255 (Part 2) 1985 RA 2003
Concentration of CO <sub>2</sub> %(v/v)	1.6	IS 13270 1992 RA 2003
Concentration of CO %(v/v)	<1	IS 13270 1992 RA 2003
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	46.10	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011

Results of the stack attached to SEAF (No.2)

Parameters	Results	Methods
Flue Gas Temperature ( <sup>o</sup> C)	65.0	IS : 11255 (Part 1)
Barometric Pressure (mm of Hg.)	758.0	--
Velocity of Gas flow (m/s)	15.20	IS : 11255 (Part 3)
Quantity of Gas flow (Nm <sup>3</sup> /hr.)	96568.96	IS : 11255 (Part III)
Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	665	IS 11255 (Part 2) 1985 RA 2003
Concentration of CO <sub>2</sub> %(v/v)	2.4	IS 13270 1992 RA 2003
Concentration of CO %(v/v)	<1.0	IS 13270 1992 RA 2003
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	36.80	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011

Results of the stack attached to Hood over IF (2X7MT/Batch)

Parameters	Results	Methods
Flue Gas Temperature ( <sup>o</sup> C)	43.0	IS : 11255 (Part 1)
Barometric Pressure (mm of Hg.)	755	--
Velocity of Gas flow (m/s)	10.56	IS : 11255 (Part 3)
Quantity of Gas flow (Nm <sup>3</sup> /hr.)	33810.66	IS : 11255 (Part III)
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	32.21	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011 (mg/Nm <sup>3</sup> ) (at 12% CO <sub>2</sub> )

### 3. WORK ZONE AIR QUALITY MONITORING

Fugitive emissions are emissions of gases or vapors from pressurized equipment due to leaks and other unintended or irregular releases of gases, mostly from industrial activities. As well as the economic cost of lost commodities, fugitive emissions contribute to air pollution and climate change.

The sampling was done on 27<sup>th</sup> June 2019 for fugitive analysis. The results are given in tabular form Results of Fugitive Air Analysis Inside the Ferro Division.

PARAMETERS	METHOD NO.	RESULTS
Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	291.50
Concentration of RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	153.68
Concentration of SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	8.29
Concentration of NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	25.05

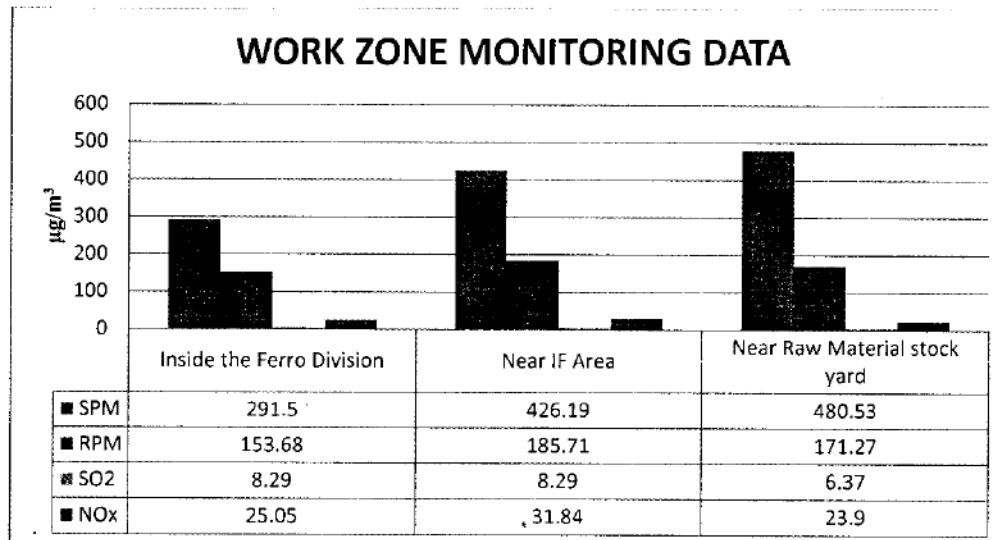
#### Results of Fugitive Air analysis Near IF Area

PARAMETERS	METHOD NO.	RESULTS
Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	426.19
Concentration of RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	185.71
Concentration of SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	8.29
Concentration of NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	31.84



Results of Fugitive Air Analysis near raw material stock yard-

PARAMETERS	METHOD NO.	RESULTS
Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	480.53
Concentration of RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	171.27
Concentration of SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	6.37
Concentration of NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	23.88



#### 4. Effluent Water Quality Monitoring

Effluent Water sample was collected from waste water storage tank. The sample was analyzed for various parameters. The details of water sampling locations are given in **Table 4.1**.

**Table 4.1 Details of Effluent Water Quality Monitoring Station**

S. No.	Location Code	Location Name/ Description
1.	Effluent Water	Cooling Water Storage Tank

#### Methodology of Effluent Water Quality Monitoring

Sampling of effluent water was carried out on 25th June, 2019. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys.

Proper care was taken during packing and transportation of samples. All the samples reached the laboratory within the holding times for different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analyzed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and CPCB.

#### Effluent Water Quality Monitoring Results

The detailed effluent water quality monitoring results are presented in **Table 4.2**.

<u>PARAMETERS</u>	<u>TEST METHODS</u>	<u>RESULTS</u>	<u>PRESCRIBED LIMIT</u>
1. pH	APHA 23rd Ed., 4500-H+B : 2017	7.12	6.5-8.5
2. Total Suspended Solids (mg./l)	APHA 23rd Ed., 2540 D : 2017	<10	100.0
3. Oil and Grease (mg./l)	APHA 23rd Ed., 5520 B/D : 2017	<1.0	10.0
4. COD (mg./l)	APHA 23rd Ed., 5220 B/C/D : 2017	20.0	250.0
5. BOD [3 days, 27°C] (mg./l)	APHA 23rd Ed., 5210-B : 2017	05.0	30.0

### 5. Environmental Noise Monitoring

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site due to various construction allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at 4 locations in the month of June, 2019, which is given in tabular form below.

**Table 5.1** Results of Ambient Noise Level Study

Location	Monitoring Session	Minimum [dB(A)]	Maximum [dB(A)]	Leq [dB(A)]
Near Administrative Building	Day time monitoring	60.3	65.4	63.56
	Night time monitoring	50.4	57.8	55.52
Near Main Gate	Day time monitoring	60.3	65.4	63.56
	Night time monitoring	52.1	58.6	56.47
Nakrajoria Village	Day time monitoring	50.2	53.9	52.43
	Night time monitoring	43.4	49.1	47.12
Near MMC Building	Day time monitoring	61.9	67.5	65.55
	Night time monitoring	56.7	62.1	60.19

#### Methodology of Noise Monitoring

Noise levels were measured using integrated sound level meter manufactured by Mastech. The integrating sound level meter is an integrating/ logging type with Octave filter attachment with frequency range of 31.5 to 16000Hz. This instrument is capable of measuring the Sound Pressure Level (SPL), Leq and octave band frequency analysis.

#### Discussion on Ambient Noise Levels in the Study Area

Maximum daytime value of ambient noise observed 67.50 db(A) near MMC building whereas maximum nighttime value 62.10 db(A) observed remain near MMC building. Minimum daytime ambient noise observed 60.30 db(A) near administrative building and factory main gate whereas minimum nighttime value 50.40 db(A) observed remain near administrative building. Study shows that the monitored values inside the factory premises are within the stipulated limits as prescribed for National Ambient Air Quality Standards.

# ANNEXURE-1



ভাৰতীয় ষ্টেট ব্যাঙ্ক  
भारतीय स्टेट बैंक  
State Bank of India

SALE CONFIRMATION ADVICE

i) M/s Eloquent Steel Pvt Ltd.,  
"Diamond Prestige"  
41 A, A J C Bose Road,  
8th Floor,  
Room No. 801  
Kolkata, West Bengal

SAMB/BR/ ১৭/১৭

Date: 22.12.2017

Dear Sir,

You are the successful bidder for Rs. 17.79 crs (Rs. Seventeen crores Seventy Nine lacs only) in the auction held on 22.12.2017 of the property mortgaged by M/s Impex Steel Ltd., and more fully described in Schedule A.

SCHEDULE A

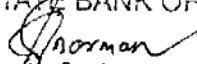
As per Deed Nos. : I-4544, I-4548, I-4557, I-4560, I-4562, I-4563, I-4836, I-4838, I-4839, I-4842, I-4844, I-4845, I-4905, I-4907, I-4909, I-4973, I-4974, in the name of M/s. Impex Steel Ltd

- i) Factory land measuring 10.95 acre and building, factory shed thereon at Mouza -Nakera Joria, P.S- Salanpur, Dist: Burdwan, West Bengal on pari-passu basis with BOB.
- ii) P&M and other fixed assets (existing & future) on pari-passu basis with BOB.

You have remitted Rs.1,77,70,000/- through RTGS on 19.12.2017. You are advised to remit Rs.2,67,05,000/- (Rs. Two crores Sixty Seven lacs Five thousand only) immediately and the balance amount of Rs. 13,34,25000/- (Rupees Thirteen crores thirty four lacs twenty five thousand only) (including 1% TDS of Rs. 17,79,000/- in favour of M/s Impex Steel Ltd., PAN No. AABCI4019H) on or before 15th day of confirmation of sale, transfer of the said property in your favour.

You may kindly note that on failure to remit the balance amount within the specified period i.e on or before 15th day of confirmation of sale the amount already remitted would be forfeited.

কৃষ্ণ STATE BANK OF INDIA  
For STATE BANK OF INDIA

  
AUTHORISED OFFICER  
Stressed Asset Management Branch  
কোলকাতা / Kolkata 700 071

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প্রতিষ্ঠান পরিচালনা  
ব্যবস্থাপন শাখা  
নাগাল্যান্ড হাউস  
(অষ্টম তল)  
১১, এবং ১৩ শেক্সপীয়র সারানী,  
কোলকাতা - ৭০০ ০৭১

তনাব্যস্ত অস্তিত্ব  
প্রবন্ধন শাখা  
নাগাল্যান্ড হাউস,  
(অষ্টম তল)  
১১ এবং ১৩ শেক্সপীয়র সারানী  
কোলকাতা - ৭০০ ০৭১

Stressed Assets  
Management Branch  
Nagaland House, 8th Floor  
11 & 13, Shakespeare Sarani,  
Kolkata-700 071

# ANNEXURE-2



# ENVIROCHECK

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## STACK GAS ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd.
2.	Address	:	(Formerly Known as - Impex Steel Ltd.) Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	:	25.06.2019
4.	Report No.	:	56/EC/June/TR(A)/XI/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	07.07.2019

### A. GENERAL INFORMATION ABOUT STACK

1.	Stack attached to	:	SEAF (No.2) through APC system
2.	Shape of Stack	:	Circular
3.	Material of Construction	:	M.S.
4.	Height of Stack from G. L. (mtr.)	:	36.0
5.	Stack I.D. at sampling point (mtr.)	:	1.60
6.	Height of sampling port from G. L. (mtr.)	:	30.0
7.	Capacity	:	7.5 MVA
8.	Emission due to	:	Combustion of Coke & Reduction of Mn-Ore
(a) Type of Fuel Used		:	Electrically Operated
(b) Fuel Consumption		:	Nil
9.(a)	Permanent ladder & platform	Yes	(b) Pollution Control Device
			Bag Filter (2 nos.) [756 bags in each Bag Filter]

### B. RESULTS OF SAMPLING

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Flue Gas Temperature (°C)	IS: 11255 (Part 1)	65.0
2.	Barometric Pressure (mm of Hg.)	--	758.0
3.	Velocity of Gas flow (m/s)	IS: 11255 (Part 3)	15.20
4.	Quantity of Gas flow (Nm³/hr.)	IS: 11255 (Part III)	96568.96
5.	Concentration of SO <sub>2</sub> (mg/Nm³)	IS 11255 (Part 2) 1985 RA 2003	665.0
6.	Concentration of CO <sub>2</sub> % (v/v)	IS 13270 1992 RA 2003	2.4
7.	Concentration of CO % (v/v)	IS 13270 1992 RA 2003	<1.0
8.	Concentration of Particulate Matter (mg/Nm³)	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011	36.80

Remarks : All the information under column A are supplied by the respective industry.

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

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# ENVIROCHECK

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## STACK GAS ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 25.06.2019
4.	Report No.	: 56/EC/June/TR(A)/XI/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 07.07.2019

### A. GENERAL INFORMATION ABOUT STACK

1.	Stack attached to	: SEAF (No.2) through APC system
2.	Shape of Stack	: Circular
3.	Material of Construction	: M.S.
4.	Height of Stack from G. L. (mtr.)	: 36.0
5.	Stack I.D. at sampling point (mtr.)	: 1.60
6.	Height of sampling port from G. L. (mtr.)	: 30.0
7.	Capacity	: 7.5 MVA
8.	Emission due to	: Combustion of Coke & Reduction of Mn-Ore
(a) Type of Fuel Used		: Electrically Operated
(b) Fuel Consumption		: Nil
9.(a)	Permanent ladder & platform	Yes
(b) Pollution Control Device		: Bag Filter (2 nos.) [756 bags in each Bag Filter]

### B. RESULTS OF SAMPLING

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Flue Gas Temperature (°C)	IS: 11255 (Part 1)	: 65.0
2.	Barometric Pressure (mm of Hg.)	--	: 758.0
3.	Velocity of Gas flow (m/s)	IS: 11255 (Part 3)	: 15.20
4.	Quantity of Gas flow (Nm <sup>3</sup> /hr.)	IS: 11255 (Part III)	: 96568.96
5.	Concentration of SO <sub>2</sub> (mg/Nm <sup>3</sup> )	IS 11255 (Part 2) 1985 RA 2003	: 665.0
6.	Concentration of CO <sub>2</sub> % (v/v)	IS 13270 1992 RA 2003	: 2.4
7.	Concentration of CO % (v/v)	IS 13270 1992 RA 2003	: <1.0
8.	Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec 11(Vol. 3 11.07): 2011	: 36.80

Remarks : All the information under column A are supplied by the respective industry.

Date : 06.07.2019

Authorised Signatory :

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## STACK GAS ANALYSIS REPORT

1. Name of the Industry	:	Eloquent Steel Pvt. Ltd.
2. Address	:	(Formerly Known as - Impex Steel Ltd.) Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3. Date of sampling	:	25.06.2019
4. Report No.	:	56/EC/June/TR(A)/11/19-20
5. Analysis completed on	:	01.07.2019
6. Reporting Date	:	07.07.2019

### A. GENERAL INFORMATION ABOUT STACK

1. Stack attached to	:	Hood Over Induction Furnace (2 x 7 MT/Batch) attached to common stack	
2. Shape of Stack	:	Circular	
3. Material of Construction	:	M.S.	
4. Height of Stack from G. L. (mtr.)	:	22.0	
5. Stack I.D. at sampling point (mtr.)	:	1.10	
6. Height of sampling port from G. L. (mtr.)	:	18.0	
7. Capacity	:	2 x 7 MT/Batch (1 Batch = 2 hrs.)	
8. Emission due to	:	Melting of Sponge, Pig Iron and Scrap	
(a) Type of Fuel Used	:	Electrically Operated	
(b) Fuel Consumption	:	Nil	
9.(a) Permanent ladder & platform	Yes	(b) Pollution Control Device	Bag Filter

### B. RESULTS OF SAMPLING

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Flue Gas Temperature ( $^{\circ}$ C)	IS: 11255 (Part 1)	43.0
2.	Barometric Pressure (mm of Hg.)	--	755.0
3.	Velocity of Gas flow (m/s)	IS: 11255 (Part 3)	10.56
4.	Quantity of Gas flow (Nm <sup>3</sup> /hr.)	IS: 11255 (Part III)	33810.66
5.	Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005): Sec 11(Vol. 3 11.07): 2011	32.21

Remarks : All the information under column A are supplied by the respective industry.

Date : 06.07.2019

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# ANNEXURE-3



# ENVIROCHECK

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## AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	:	25.06.2019 - 26.06.2019
4.	Report No.	:	56/EC/June/TR(A)/IV/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	07.07.2019
7.	Particular of Plant	:	Ferro Alloy and SMS Unit

### A] GENERAL INFORMATION

1.	Location of Sampling	:	Near Administrative Block
2.	Duration of Sampling	:	24 hrs. (09:00 a.m. - 09:00 a.m.)

### B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	80.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Mostly Cloudy

### C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	49.26
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	85.38
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	8.50
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	26.77
5.	Concentration of CO (mg/m <sup>3</sup> )	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	0.23
6.	Concentration of Pb (µg/m <sup>3</sup> )	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP) (ng/m <sup>3</sup> )	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O <sub>3</sub> ) (µg/m <sup>3</sup> )	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH <sub>3</sub> ) (µg/m <sup>3</sup> )	NIOSH Manual of Analytical Method, 4 <sup>th</sup> Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As) (ng/m <sup>3</sup> )	EPA IO 3.2, 1999, APHA 23 <sup>rd</sup> Ed 3114C: 2017	<0.01

Date : 06.07.2019

Authorised Signatory :

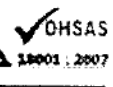
Dr. AJOY PAUL  
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# ENVIROCHECK

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## AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as – Impex Steel Ltd.)
2.	Address	:	Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – Paschim Bardhaman
3.	Date of sampling	:	25.06.2019 – 26.06.2019
4.	Report No.	:	56/EC/June/TR(A)/V/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	07.07.2019
7.	Particular of Plant	:	Ferro Alloy and SMS Unit

### A) GENERAL INFORMATION

1.	Location of Sampling	:	Near Main Gate
2.	Duration of Sampling	:	24 hrs. (09:30 a.m. – 09:30 a.m.)

### B) METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	80.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell
5.	Weather Condition	:	Mostly Cloudy

### C) RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	53.81
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	89.48
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	9.56
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	34.96

Date : 06.07.2019

Authorised Signatory :

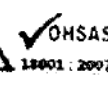
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## AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 25.06.2019 - 26.06.2019
4.	Report No.	: 56/EC/June/TR(A)/VI/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 07.07.2019
7.	Particular of Plant	: Ferro Alloy and SMS Unit

### A] GENERAL INFORMATION

1.	Location of Sampling	: Nakrajoria Village (1 km. Distance from Plant)
2.	Duration of Sampling	: 24 hrs. (10:00 a.m. - 10:00 a.m.)

### B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 32.0
2.	Average Relative Humidity (%)	: 80.0
3.	Barometric Pressure (mm of Hg)	: 755.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Mostly Cloudy

### C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	48.72
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	81.20
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	7.44
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	24.97

Date : 06.07.2019

Authorised Signatory :

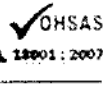
Dr. AJOY PAUL  
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 Email : envcheck@cal2.vsnl.net.in/info@envirocheck.org, Website : www.envirocheck.org  
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# ENVIROCHECK

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## AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist - Paschim Bardhaman
3.	Date of sampling	: 25.06.2019 - 26.06.2019
4.	Report No.	: 56/EC/June/TR(A)/VII/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 07.07.2019
7.	Particular of Plant	: Ferro Alloy and SMS Unit

### A] GENERAL INFORMATION

1.	Location of Sampling	: Near M.C.C. Building (Back Side of the Plant)
2.	Duration of Sampling	: 24 hrs. (10:30 a.m. - 10:30 a.m.)

### B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 32.0
2.	Average Relative Humidity (%)	: 80.0
3.	Barometric Pressure (mm of Hg)	: 755.0
4.	Smell or Odour	: No Remarkable Smell
5.	Weather Condition	: Mostly Cloudy

### C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM <sub>2.5</sub> (µg/m <sup>3</sup> )	USEPA 1997a, 40 CFR Part 50, Appendix L	: 51.68
2.	Concentration of PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 (PART 23) : 2006	: 86.18
3.	Concentration of SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: 7.22
4.	Concentration of NO <sub>x</sub> (µg/m <sup>3</sup> )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 26.77

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

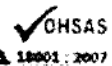
H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ( 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 ( 033-25792889  
 Email : envcheck@cal2.vsnl.net.in/info@envirocheck.org, Website : www.envirocheck.org  
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# ANNEXURE-4



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## WORK ZONE (FUGITIVE) AIR ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	:	25.06.2019
4.	Report No.	:	56/EC/June/TR(A)/VIII/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	07.07.2019
7.	Particular of Plant	:	Ferro Alloy and SMS Unit

### A] GENERAL INFORMATION

1.	Location of Sampling	:	Inside the Ferro Division
2.	Duration of Sampling	:	08 hrs. (10:20 a.m. - 06:20 p.m.)

### B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	37.0
2.	Average Relative Humidity (%)	:	77.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

### C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	291.50
2.	Concentration of *RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	153.68
3.	Concentration of *SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	8.29
4.	Concentration of *NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	25.05

Remarks : The parameters marked with an ( \* ) are not Accredited by NABL.

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ( 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 : 033-25792899  
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## WORK ZONE (FUGITIVE) AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 25.06.2019
4.	Report No.	: 56/EC/June/TR(A)/IX/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 07.07.2019
7.	Particular of Plant	: Ferro Alloy and SMS Unit

### A) GENERAL INFORMATION

1.	Location of Sampling	: Inside the Plant (Near Induction Furnace Area)
2.	Duration of Sampling	: 08 hrs. (10:40 a.m. - 06:40 p.m.)

### B) METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 34.0
2.	Average Relative Humidity (%)	: 78.0
3.	Barometric Pressure (mm of Hg)	: 755.0
4.	Smell or Odour	: No Remarkable Smell

### C) RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	426.19
2.	Concentration of *RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	185.71
3.	Concentration of *SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	8.29
4.	Concentration of *NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	31.84

Remarks : The parameters marked with an (\*) are not Accredited by NABL.

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

H.O. : 83/B, Rastraguru Avenue, Kolkata - 700028 ( 033-25792891/25497490. Fax : 033-25299141  
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 ( 033-25792889  
 Email : envcheck@cal2.vsnl.net.in/info@envirocheck.org. Website : www.envirocheck.org  
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18001, 2007

## WORK ZONE (FUGITIVE) AIR ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	:	25.06.2019
4.	Report No.	:	56/EC/June/TR(A)/X/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	07.07.2019
7.	Particular of Plant	:	Ferro Alloy and SMS Unit

### A] GENERAL INFORMATION

1.	Location of Sampling	:	Near Raw Material Stock Yard
2.	Duration of Sampling	:	08 hrs. (11:10 a.m. - 07:10 p.m.)

### B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	79.0
3.	Barometric Pressure (mm of Hg)	:	755.0
4.	Smell or Odour	:	No Remarkable Smell

### C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of SPM ( $\mu\text{g}/\text{m}^3$ )	NIOSH 0500 : 1994	480.53
2.	Concentration of *RPM ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (PART 23) : 2006	171.27
3.	Concentration of *SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	6.37
4.	Concentration of *NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	23.88

Remarks : The parameters marked with an ( \* ) are not Accredited by NABL.

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 : 033-25792891/26497490, Fax : 033-25299141  
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# ANNEXURE-5



# ENVIROCHECK

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## EFFLUENT WATER ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as – Impex Steel Ltd.)
2.	Address	: Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – Paschim Bardhaman
3.	Report No.	: Env/504/W/M/19-20
4.	Date of sampling	: 25.06.2019
5.	Reporting date	: 07.07.2019
6.	Type of sample	: Effluent Water
7.	Location of sample	: Cooling Water Storage Tank
8.	Collection & Preservation of sample	: APHA 23 <sup>rd</sup> Ed., 1060 : 2017
9.	Sample collected in presence of	: Company Representative

PARAMETERS	TEST METHODS	RESULTS
1. pH	APHA 23 <sup>rd</sup> Ed., 4500-H+B : 2017	: 7.12
2. Total Suspended Solids (mg./l)	APHA 23 <sup>rd</sup> Ed., 2540 D : 2017	: <10.0
3. Oil and Grease (mg./l)	APHA 23 <sup>rd</sup> Ed., 5520 B/D : 2017	: <1.0
4. COD (mg./l)	APHA 23 <sup>rd</sup> Ed., 5220 B/C/D : 2017	: 20.0
5. BOD [3 days, 27°C] (mg./l)	APHA 23 <sup>rd</sup> Ed., 5210-B : 2017	: 5.0

Authorised Signatory :

Dr. AJOY PAUL  
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ; 033-25792891/25497490, Fax : 033-25299141  
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 ; 033-25792889  
 Email : envcheck@cat2.vsnl.net.in/info@envirocheck.org, Website : www.envirocheck.org  
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# ANNEXURE-6

P-6

## FORM 4

[See Rules 9(3) and 10(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

008611

## PERMIT FOR SINKING OF NEW WELL

[US 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources  
(Management, Control and Regulation) Act 2005.]PERMIT NO. P02 55 024 00702 00000 01 TSE.

1. (a) Name of the applicant (user) : Shri/Smt. VIRENDRA KUMAR JAIN, Director,  
(b) Son / Daughter of : IMPEX STEEL PVT. LIMITED,  
(c) Address of the applicant : Shri. Dharam Chand Patni,  
(d) Category of farmer (Please tick) : Jayank Endava, Upcargarden, Asansol-4,  
(in case of irrigation well) : 31st - Burdwan.  
(e) Serial No. of application Form : Small Farmer / Marginal Farmer / Others /  
and date of submission : BP 0118 Slr. No. 15.  
(f) Specimen signature of the user : A  
Virendra Kumar Jain
2. Location particulars---  
(a) District : Burdwan.  
(b) Block, Mouza, J.L.No., Plot No. : Salanpur, Nekrajaria, 26, 702.  
(c) Municipality / Corporation : N.A.  
Ward No. / Borough No., Holding No.
3. Particulars of the proposed well and pumping device---  
(a) Type of the well : Tube well.  
(b) Approx. depth of the well (m) : 135 m.  
(c) Purpose of the well : Industrial.  
(d) Assembly size (for tube well) : 150 mm. X 100 mm.  
(e) Approx. strainer length (for tube well) : 18 m.  
(f) Diameter (for dug well) : N.A. m.  
(g) Type of pump to be used : Submersible.  
(h) H.P. of the pump : 3.5 H.P.  
(i) Operational device : Electric motor  
(j) Rate of withdrawal (m<sup>3</sup>/hr.) : 10 m<sup>3</sup>/hour.  
(k) Maximum allowable running hours per day : 4 hours.

This permit authorizes the owner applicant (user) to sink a well in the location specified at S1. (2) for extraction of ground water at a rate not exceeding that as shown at S1. (3) (j) and for running hours / day as shown at S1. (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place: BurdwanDate: 10.01.2008

S. Chatterjee  
Signature of the Issuing Authority  
Geologist, District Level Ground Water Authority  
Burdwan

## Conditions:

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at S1. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.



# ANNEXURE-7

PLANTATION INSIDE THE PLANT BY INDIGENOUS SPECIES



PLANTATION PIC #1



**PLANTATION INSIDE THE PLANT BY INDIGENOUS SPECIES**



**PLANTATION PIC #2**

**PLANTATION INSIDE THE PLANT BY INDIGENOUS SPECIES**



**PLANTATION PIC #3**

**PLANTATION INSIDE THE PLANT BY INDIGENOUS SPECIES**



**PLANTATION PIC #4**

# ANNEXURE-8

WEST BENGAL POLLUTION CONTROL BOARD

'Parbesh Bhawan'  
Bldg. No. - 10A, Block - LA, Sector-III  
Salt Lake City, Kolkata-700 098



Imp → ELO 09

apply for renewal of  
consent 60 (Sixty) days  
before expiry

Consent Letter Number : CO 110/29

Memo Number : 1530 - WPCB/Regd (Bsm)/cont (SB)/07

Date : 28/06/18

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and  
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

M/s Eloquent Steel Pvt Ltd (Formerly known as M/s Impex Steel Ltd)  
(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill - Nakrajoria  
P.O. + P.S. - Salarpur, Dist - Paschim Bardhaman

(Detailed address of the manufacturing unit)

for a period from up to 30.06.2018

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

28/06/18

(2)  
ANNEXURE

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as m/s Impex Steel Ltd.)  
 for its unit at Vill. - Nakparjanta  
P.O. + P.S. - Salampur, Dist. - Paschim Bardhaman

Conditions :

01. This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Ferro Manganese	2625 MT
02	Silico Manganese	1875 MT
03	M.S. Ingot	4417 MT
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed ..... KL.
04. Daily discharge of domestic liquid effluent shall not exceed 04 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed ..... KL.
06. The Applicant shall discharge liquid effluent to Soak pit (place of discharge) through 01 nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-I in page 03.

(Member Secretary/Chief Engr/ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as M/s. Im Steel Ltd.)<sup>(4)</sup>  
 for its unit at Vill. - Nakrajan  
P.O. + P.S. - Salaspur, Dist. - Paschim Bardhaman

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the Standard as given in Table-II below

Table-II

Stack No.	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm <sup>3</sup> /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm <sup>3</sup> )	CO (%v/v)			
S-1	35	02 Nos SEAP (2 x 7.5 MVA)			150				Half yearly
S-2	30	02 Nos. Induction Furnace (2 x 7.5 MVA)			150				yearly
S-3	7	D.G. Set 250 KVA			150	1			-Do-
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

*[Signature]* 28/08/18

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....

Cess to M/s. Elaguent Steel Pvt. Ltd. (Formerly Kannur as m/s. Steel Ltd.)  
 for its unit at Vill - Nakrajozia  
 P.O. + P.S. - Salampur, Dist. - Pochim Barchhaman.

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Dormant	pH		
		Total Suspended Solids	Between: 5.5 to 9.0	22 ml
		Biochemical Oxygen Demand (3 day at 27°C)	Not to exceed: 100 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 30 mg/l.	
		Oil & Grease	Not to exceed: 250 mg/l.	
			Not to exceed: 10 mg/l.	

09. The Applicant falls in the ... Category of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. Daily water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → 22 KL  
(Water used for gardening should be included in this category of use)
- Domestic purpose → 06 KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → KL

The Applicant shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

*Handwritten signature and date*  
22/10/18

Continued.....



Consent to M/s. Elaquent Steel Pvt Ltd<sup>(5)</sup>  
 for its unit at Steel Ltd)  
 P.O. + P.S. - Salanpur, Vill. - Nakrajoria (Formerly known as m/s. In  
 Dist. - Paschim Bardhaman

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.
15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01			
02			
03			
04			
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
Fe-Mn Slag	250 MT/month	—	Recycled
Sl-Mn Slag	1400 MT/month	—	Road Development

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L <sub>eq</sub>
Day Time (06 a.m. to 09 p.m.)	65
Night Time (09 p.m. to 06 a.m.)	55

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The Applicant shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr/ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

Continued.....

(6)

10 M/s. Bloquent Steel Pvt Ltd. (Formerly known as  
21 M/s. Intex Steel Ltd.)  
1. P.S. - Salaspur, Dist. - Paschim Bardhaman Vill. - Nokrajaria

The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control sys-

The Applicant shall get the samples of hazardous wastes/leachates analysed at least once in .....  
from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the  
limits stipulated. Test reports shall be sent to the Board.

The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by  
the State Board's staff as well as State Board's authorised agencies.

The Applicant shall submit to the State Board by the 30th September of every year the Environmental Statement  
Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required  
under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.

The Applicant shall allow the Officers of the State Board to enter into the applicant's premises at any reasonable  
time to inspect the pollution control systems as well as monitoring and measuring devices in connection with  
prevention & control of pollution.

The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers  
& employees of the State Board for inspection, review and to write down any direction or observation as is deemed  
necessary during the inspection from time to time.

The Application shall furnish to the State Board all information in respect of quality, quantity, rate of discharge,  
place of discharge of liquid effluent and air emissions.

The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper main-  
tenance and operation of the effluent treatment and / or emission control devices and for overall environment  
management of the industry.

The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Author-  
ity.

The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of  
discharge of any poisonous, noxious or pollutants in excess of quality as well as quantity as mentioned earlier to any  
receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event in-  
cluding natural disaster. The Applicant Shall (i) take all steps adequate to prevent such accident discharge/release of  
poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the  
persons working on the site with the information, training and equipment including antidotes necessary to ensure  
their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.

The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least  
30 (thirty) days before the date of expiry of this Consent.

The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and  
equipment as well as the pollution control system without prior approval of the Board.

The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous  
Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Local Conditions

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

# ANNEXURE-9A



# ENVIROCHECK

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## NOISE LEVEL SYUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - NakraJoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 396/EC/M/N/I/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy and SMS Unit
X. Sample Monitoring by	: Mr. Supriya Singha Chowdhury

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study	: Near Administrative Building		
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:30 - 10:50	60.3	65.4	63.56
NIGHT TIME			
2. Location of Study	: Near Administrative Building		
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:00 - 10:20	50.4	57.8	55.52

Report Print Date: 29/06/2019

Authorized Signatory & Stamp



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## NOISE LEVEL SYUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 396/EC/M/N/II/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy and SMS Unit
X. Sample Monitoring by	: Mr. Biswajit Ghosh

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study	: Near Main Gate		
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:00 - 11:20	60.3	65.4	63.56
NIGHT TIME			
2. Location of Study	: Near Main Gate		
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:30 - 10:50	52.1	58.6	56.47

Report Print Date: 29/06/2019

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Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



## NOISE LEVEL SYUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 396/EC/M/N/III/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy and SMS Unit
X. Sample Monitoring by	: Mr. Biswajit Ghosh

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study	: Nakrajoria Village (1 km Distance from Plant)		
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:30 - 11:50	50.2	53.9	52.43
NIGHT TIME			
2. Location of Study	: Nakrajoria Village (1 km Distance from Plant)		
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:00 - 11:20	43.4	49.1	47.12

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## NOISE LEVEL STUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 396/EC/M/N/IV/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy and SMS Unit
X. Sample Monitoring by	: Mr. Biswajit Ghosh

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study		Near MMC Building (Back side of the Plant)	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
12:00 - 12:20	61.9	67.5	65.55
NIGHT TIME			
2. Location of Study		Near MMC Building (Back side of the Plant)	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:30 - 11:50	56.7	62.1	60.19

Report Print Date: 29/06/2019

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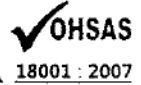
# ANNEXURE-9B





# ENVIROCHECK

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## NOISE LEVEL SYUDY (WORK ZONE)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 451/EC/M/N/I/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy Plant & SMS Unit
X. Sample Monitoring by	: Mr. Bhubaneswar Ghosh

RESULT OF NOISE LEVEL STUDY					Time :10:00 - 10:20 A.M
DAY TIME					
1. Location : Inside the Ferro Division - Ferro Plant					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	60.4	71.9	69.19	East Side
02.	dB(A)	62.3	73.2	70.53	West Side
03.	dB(A)	67.5	75.3	72.96	North Side
04.	dB(A)	64.1	70.5	68.39	South Side
Average dB(A) Leq				70.26	

Reviewed By:

*[Signature]*  
Dy. Quality Manager

Approved By:

*[Signature]*  
Quality Manager

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## NOISE LEVEL SYUDY (WORK ZONE)

I.	Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II.	Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III.	Date of Sampling	: 25/06/2019
IV.	Reporting Date	: 29/06/2019
V.	Report No	: 451/EC/M/N/II/19-20
VI.	Method No	: IS: 9989 - 1981
VII.	Time of Duration of Noise	: 20 Minutes
VIII.	Height from Ground Level	: 4 feet
IX.	Type of Industry	: Ferro Alloy Plant & SMS Unit
X.	Sample Monitoring by	: Mr. Manik Saha

RESULT OF NOISE LEVEL STUDY					Time : 10:30 - 10:50 A.M
DAY TIME					
1. Location : Inside the Plant (Near Induction Furnace Area) - SMS					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.2	72.7	71.63	East Side
02.	dB(A)	71.5	73.9	72.86	West Side
03.	dB(A)	69.5	74.5	72.68	North Side
04.	dB(A)	70.4	74.8	73.13	South Side
Average dB(A) Leq				72.57	

Reviewed By:

*Manik Saha*  
Dy. Quality Manager

Approved By:

*Manik Saha*  
Quality Manager

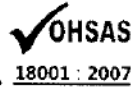
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## NOISE LEVEL SYUDY (WORK ZONE)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 25/06/2019
IV. Reporting Date	: 29/06/2019
V. Report No	: 451/EC/M/N/III/19-20
VI. Method No	: IS: 9989 - 1981
VII. Time of Duration of Noise	: 20 Minutes
VIII. Height from Ground Level	: 4 feet
IX. Type of Industry	: Ferro Alloy Plant & SMS Unit
X. Sample Monitoring by	: Mr. Manik Saha

RESULT OF NOISE LEVEL STUDY					Time: 11:00 - 11:20 A.M
- DAY TIME					
1. Location : Near Raw Material Stock Yard - R.M Handling Section					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	63.3	68.4	66.56	East Side
02.	dB(A)	64.9	70.2	68.31	West Side
03.	dB(A)	65.4	72.7	70.43	North Side
04.	dB(A)	62.3	69.3	67.08	South Side
Average dB(A) Leq				68.09	

Reviewed By:

*Manik Saha*  
Dy. Quality Manager

Approved By:

*Manik Saha*  
Quality Manager

>End of Report<

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# ANNEXURE-10

**F. No. J-11011/188/2011-IA-II (I)**  
**Government of India**  
**Ministry of Environment and Forests**  
**(I.A. Division)**

**Paryavaran Bhawan**  
**CGO Complex, Lodhi Road**  
**New Delhi – 110 003**

E-mail : [aditya.narayan@nic.in](mailto:aditya.narayan@nic.in)

Telefax : 011: 2436 549

Dated 20<sup>th</sup> September, 2012

To,

The Director  
M/s Impex Steel Limited  
33, Chittaranjan Avenue  
2<sup>nd</sup> Floor , Kolkata- 700 012

**Ph: 033- 22110546; Fax: 033- 22110537; E-mail: [impex.steel.limited@gmail.com](mailto:impex.steel.limited@gmail.com)**

**Sub : Expansion of the existing unit by installation of 2 X 7.5 MVA Ferro Alloys Plant & 1 X 300 TPD Sinter Plant to manufacture Ferro Alloys and Manganese Ore Sinter at Mouza : Nakrajoria, P.S. : Salanpur, District : Burdwan in West Bengal by M/s Impex Steel Limited- regarding Environmental Clearance**

**Ref : Your letter no. ISL/AVFERRO/11-12/08 dated 20<sup>th</sup> January, 2012.**

Sir,

This has reference to your letter dated 20<sup>th</sup> January, 2012 along with copies of EIA/EMP and public hearing reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Impex Steel Limited have proposed to expand its existing plant by installing 2 X 7.5 MVA Ferro Alloys Plant & 1 X 300 TPD Sinter Plant at Mouza : Nakrajoria, P.S. : Salanpur, District : Burdwan in West Bengal. The expansion will be carried out within the existing plant premises of 10.46 acres. Green belt will be developed in 3.46 acres of total plant area. An additional land of 2.8 acres has been taken on lease for Rainwater Harvesting Pond & Labour Hutment. No R & R is involved. No National Park/Wild Life Sanctuary/Reserve Forest is located within 10 km radius of the project site. Manganese ore, Fe-Mn slag, coke breeze, quartz, dolomite, iron scrap and pet coke will be used as raw materials. Total cost of the proposed project is Rs. 101.10 Crores. Rs. 4.2 Crores and Rs. 45 Lakhs/Annum will be earmarked towards total capital cost and recurring cost for environmental pollution control measures.

3. Following are the details of existing and proposed facilities to be installed along with the production capacity:

	Units	Existing	Additional
<b>Main Plant</b>	Submerged Arc Furnace	2 X 7.5 MVA	2 X 7.5 MVA
	Induction Furnace	2 X 7 T	-
	Sinter Plant	-	1 X 300 TPD
<b>Installed</b>	<b>Items</b>	<b>Existing</b>	<b>Additional</b>

Capacity	M.S. Ingots	53,004 TPA	-
	Ferro Manganese	17,076 TPA	31,500 TPA
	Silico Manganese	11,394 TPA	22,500 TPA
	Ferro Silicon	-	9,000 TPA
	Mn Ore Sinter	-	90,000 TPA

4. It is noted that the smoke and fumes collected from SAF and Sinter Plant by the hood will be passed through bag filter before discharging through a stack of adequate height. Fugitive emissions from raw material handling section will be suppressed by dry fogging system/water sprinkling.

5. Make up water requirement for the proposed plant will be 45 m<sup>3</sup>/day in addition to existing requirement of 22 m<sup>3</sup>/day which will be sourced from bore well/rainwater harvesting pond. Maximum recycling of wastewater will be carried after treatment to achieve zero discharge. Treated waste water will be used for dust suppression and green belt development. Effluent streams such as cooling tower blow down, floor washings, laboratory effluent etc. will be used for fugitive dust suppression, water sprinkling etc. Sewage generated from factory premises will be disposed off through septic tanks followed by soak pit. Acoustic enclosure will be provided to DG set. Total power requirement of 38.5 MW will be met by Damodar Valley Corporation (DVC). DG set of capacity 1 X 250 kVA will be installed and used during power failure only

6. Bag filter dust will be recycled in the process. Fe-Mn slag will be utilized in Si-Mn production. Slag from Si-Mn production will be used in land / road / area development / manufacturing of insulated bricks & coloured glass. Fe-Si slag will be utilized in cupola furnace as raw material. All pumps and motors will be selected from less noise generating types. Ear plugs will be provided to employees working in high noise prone areas

7. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 35<sup>th</sup> meeting held during 26<sup>th</sup> - 27<sup>th</sup> April, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing for the project was held on 16.11.2011.

8. Based on the information submitted by you, presentation made by you and your consultant, M/s Environ India, Kolkata, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

- i. No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.
- ij. Continuous monitoring facilities for all the major stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm<sup>3</sup>.
- iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.

- iv. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
- v. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
- vi. The total water requirement shall not exceed 45 m<sup>3</sup>/day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises. Permission from the competent authority for drawl of water shall be obtained
- vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.
- viii. Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). All the other ferro alloy slag shall be used in the preparation of building materials.
- ix. No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.
- x. Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
- xi. All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 16<sup>th</sup> November, 2011 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.
- xii. As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.
- xiv. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government.

- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the WBPCB including one ambient air quality monitoring station in the downwind direction. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the WBPCB / CPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ix. Requisite amount shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the WBPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of



monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions.

- xiii. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
- xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the WBPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.
- xv. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

9. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

**(A N Singh)**  
**Dy. Director**

**Copy to:**

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA, Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa
5. Guard File / Monitoring File / Record File.

**(A N Singh)**  
**Dy. Director**