



ELOQUENT STEEL PRIVATE LIMITED

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

Ref. - ESPL/HCL/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-11011/49/2010-IA-II (I) Date: Sept. 03, 2012 by M/s Hira Concast Ltd. (Currently known as Eloquent Steel Pvt. Ltd.) Vill-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Burdwan (WB)

Dear Sir,
With reference to above, we are submitting herewith the six monthly compliance report (Period April 2019 to Sept. 2019) for M/s Hira Concast 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 Hira Concast 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 (2nd Floor), Oppo. Asansol Fire Station, GT Road, Asansol-713301
Dist-Paschim Burdwan (WB).

(Dial 1800 266 6868)

भारतीय डाक



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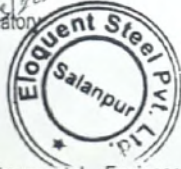
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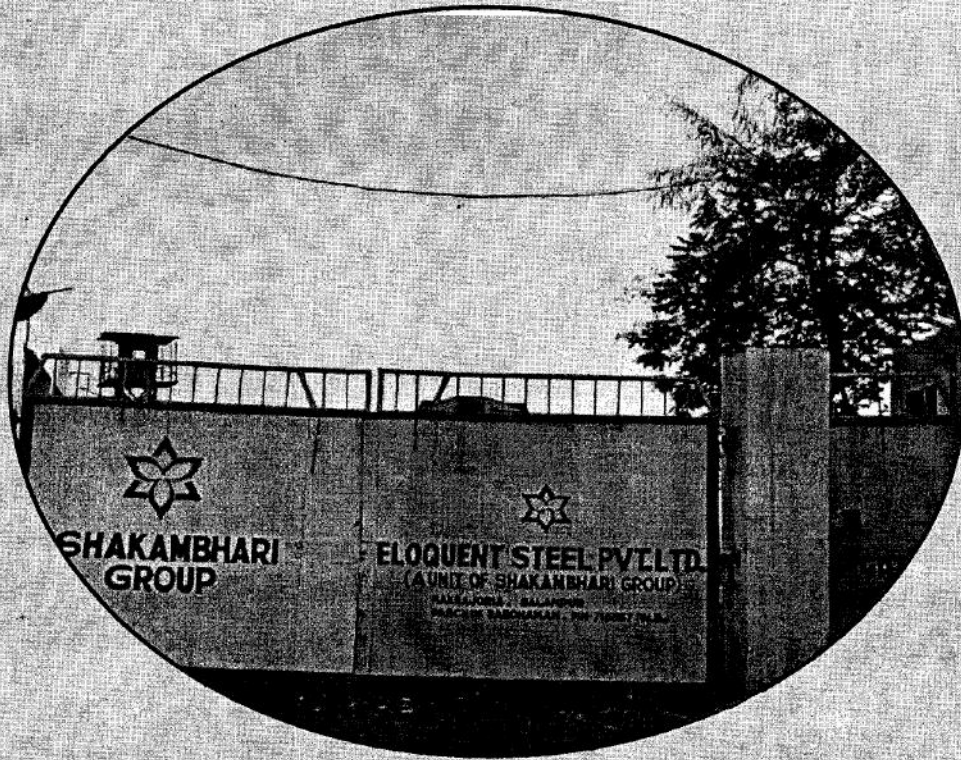


16/03/2020

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 Hira Concast Limited

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

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



Hira Concast Ltd

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Vide MoEF & CC F. No. : J-11011/49/2010-IA-II (I) Date : Sept. 03, 2012

COMPLIANCE PERIOD:

APRIL-2019 TO SEPTEMBER-2019

INTRODUCTION

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

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 possession received on 30.08.2017 (**Annexure-1**). Date of land registry in the name of Eloquent Steel Pvt. Limited from Hira Concast Ltd is -27.11,2017.

M/s. Hira Concast Ltd. (Currently known as M/s. Eloquent Steel Pvt Ltd) was granted Environmental Clearances from Gol, 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 detail regarding compliance is given herewith in the following pages for the six monthly period of April, 2019 - September, 2019.



Name of the Project	:	M/s Hira Concast Ltd. (Currently known as Eloquent Steel Pvt. Ltd.) Village-Nakrajoria, PO & PS-Salanpur, Dist. -Paschim Burdwan (WB)
Environmental Clearance Letter Ref.	:	F. No. J-11011/49/2010-IA-II(I) Date : Sept. 03, 2012

SL. NO.	CONDITIONS	COMPLIANCE
A. SPECIFIC CONDITIONS:		
1.	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.
2.	Continuous monitoring facilities for all the major stacks and sufficient air pollution control equipment 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 50mg/Nm ³ .	<p>Since the unit was not in operation and is recently undertaken, the direction for installation of continuous monitoring facilities will be complied.</p> <p>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.</p> <p>Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels.</p> <p>Latest stack monitoring report is enclosed as Annexure-2.</p>
3.	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 complied with. Latest Ambient Air Quality Monitoring Report is enclosed as Annexure-3 .
4.	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.	<p>Utmost priority is given to reduce the air pollution within the plant. Suitable control measures have been undertaken to keep fugitive emission levels including secondary fugitive emissions within the latest permissible limits.</p> <p>Latest work zone (Fugitive Emission) monitoring report is enclosed as Annexure-4.</p>



5.	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 .
6.	The make up water requirement shall not exceed 28 m ³ /day. 'Zero' effluent discharged shall be strictly followed and no wastewater should be discharged outside the premises.	All possible attempts are made to ensure optimal use of water within the factory premises. Recycle and Reuse practice has been adapted by us and no effluent being discharged outside factory premises.
7.	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.
8.	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.	Is being complied with.
9.	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	No Ferro Chrome is manufactured.
10.	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to Ministry's Regional Office at Bhubaneswar.	Will be prepared.
11.	All the commitments made to the public during the public Hearing/Public Consultation meeting held on 17th 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.	Being complied.



12.	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 along with maintenance of existing plantation as well. Some pics are attached as Annexure-6 .
13.	At least 5% of the total cost of the project should be earmarked towards the Enterprises 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.	We have initiated to comply our Enterprise Social Commitment. Our expenditures incurred towards facilitating study materials to the nearby school students (school bags and books etc.), lifesaving jackets to boats man, contributing towards social causes, plants distribution for encouragement of social forestry etc.
14.	The company shall be provide housing for construction labour within 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 with.
B. GENERAL CONDITIONS:		
1	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-7 .
2.	No further expansion or modification 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.
3.	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 ₂ and NO _x are anticipated in consultation ground 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.	Ambient Air Quality Monitoring being carried on as per direction in consideration of maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x . Latest Ambient Air Quality monitoring report and stack monitoring report is enclosed as Annexure-3 and Annexure-2 .



4.	Industrial wastewater shall be properly collected, treated so as to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	No industrial waste water being discharged outside the factory premises.
5.	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 (day time) and 70 dBA (night time).	Noise control measures has already been implemented to keep the noise level well within the 85 dB(A) and ambient noise level below 75 dB(A) (during day time) and 70 dB(A) (during night time). Ambient and Work Zone Noise Monitoring report is attached as Annexure 8A and 8B.
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	It shall be complied with.
7.	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.	Suitable measures are being taken to develop rain water harvesting structures to harvest the rain water.
8.	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 end health care etc.	Environmental protection measures have been implemented for effective compliance of safe guards recommended in EIA/EMP reports.
9.	As proposed, Rs. 2.5 Crores and Rs. 0.7 Crores 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.	It is being complied with.



10.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / 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 company by the proponent.	Clearance letter is sent to concerned local body. The EC copy is attached as Annexure-9 .
11.	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 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 ₂ , NO _x (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 as per the direction.
12.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environment 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.	Complied with.
13.	The environment statement for each financial year ending 31 st 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 be put on the website of the company along with the status of compliance of environment conditions and shall also be sent the respective Regional Offices of the MOEF by e-mail.	The environment statement will be submitted after completion of financial year.



14.	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.	Complied.
15.	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.	Complied.



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 Security gate	Ferro Alloys and SMS Plant
3	AAQ-3	Near DVC meter room	Ferro Alloys and SMS Plant
4	AAQ-4	Dandua village	Ferro Alloys and SMS Plant

Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 ($PM_{2.5}$)
- Particulate Matter 10 (PM_{10})
- Sulphur Dioxide (SO_2)
- Oxides of Nitrogen (NO_x)

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 ($PM_{2.5}$ i.e. <2.5 microns), and Respirable Dust Sampler APM 450 was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO_2 , and NO_x .

Table 1.2 Techniques used for Ambient Air Quality Monitoring

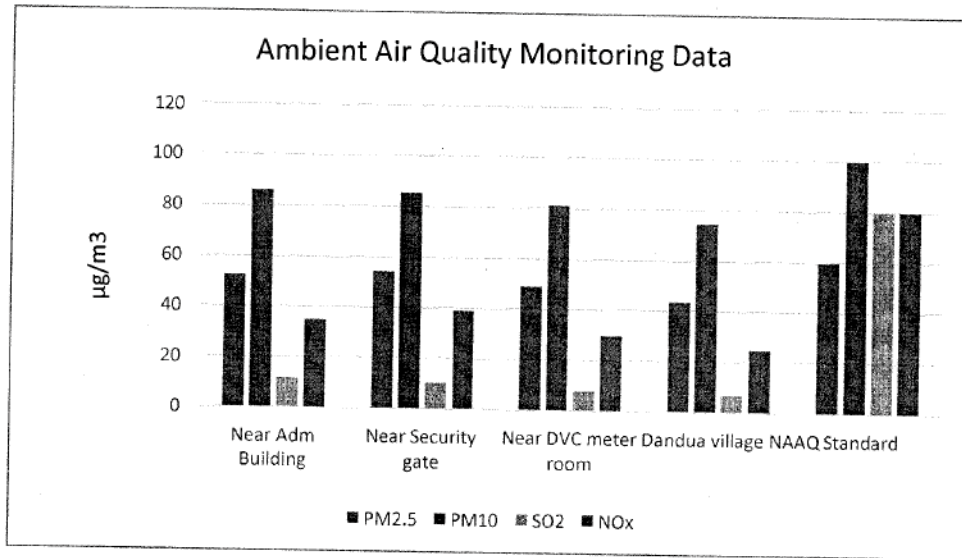
S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5 (PM _{2.5})	USEPA 1997a, 40 CFR Part 50, Appendix L	IS-5182 (Part-IV)
2	Particulate Matter 10 (PM ₁₀)	IS 5182 (PART 23) : 2006	IS-5182 (Part-23)
3	Sulphur dioxide	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 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_{2.5}, PM₁₀, SO₂ and NO_x are presented in Table 1.3.

Table 1.3 Ambient Air Quality Monitoring Results

	26.06.2019 27.06.2019	N-ear Adm Building	Near Security gate	Near DVC meter room	Dandua village	NAAQ Standard
April 19–Sept. 19	Concentration of PM _{2.5} (µg/m ³)	52.45	54.58	49.22	43.76	60
	Concentration of PM ₁₀ (µg/m ³)	86.15	85.40	81.23	74.54	100
	Concentration of SO ₂ (µg/m ³)	11.90	10.63	7.86	6.80	80
	Concentration of NO _x (µg/m ³)	34.96	39.02	30.04	24.97	80



Discussion on Ambient Air Quality in the Study Area

The level of PM₁₀ and PM_{2.5}, SO₂ and NO_x found within the permissible limit for residential and other areas as stipulated in the 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 26th 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 (⁰ C)	107.0	IS : 11255 (Part 1)
Barometric Pressure (mm of Hg.)	755.0	--
Velocity of Gas flow (m/s)	9.19	IS : 11255 (Part 3)
Quantity of Gas flow (Nm ³ /hr.)	80860.03	IS : 11255 (Part III)
Concentration of SO ₂ (mg/Nm ³)	210.55	IS 11255 (Part 2) 1985 RA 2003
Concentration of CO ₂ %(v/v)	1.8	IS 13270 1992 RA 2003
Concentration of CO %(v/v)	>1	IS 13270 1992 RA 2003
Concentration of Particulate Matter (mg/Nm ³)	46.01	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol3 11.07) : 2011

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 27th June 2019 for fugitive analysis. The results are given in tabular form.

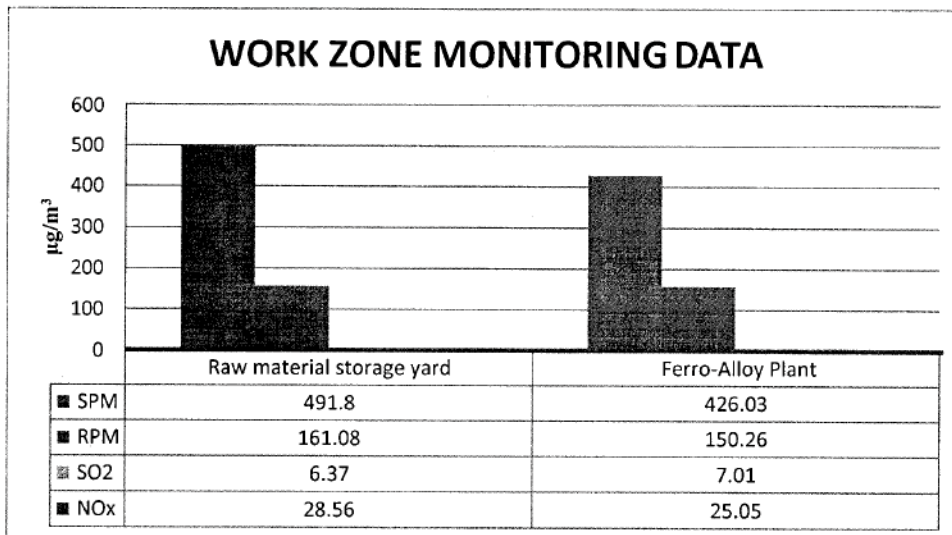
Results of Fugitive Air Analysis in Raw material storage yard

PARAMETERS	METHOD NO.	RESULTS
Concentration of SPM ($\mu\text{g}/\text{m}^3$)	NIOSH 0500 : 1994	491.80
Concentration of *RPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (PART 23) : 2006	161.08
Concentration of *SO ₂ ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	6.73
Concentration of *NO _x ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	28.56

Results of Fugitive Air analysis Inside the Ferro-Alloy Plant

PARAMETERS	METHOD NO.	RESULTS
Concentration of SPM ($\mu\text{g}/\text{m}^3$)	NIOSH 0500 : 1994	426.03
Concentration of *RPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (PART 23) : 2006	150.26
Concentration of *SO ₂ ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	7.01
Concentration of *NO _x ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	25.05

Results of Fugitive Air Analysis -



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 26th 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**.

PARAMETERS	TEST METHODS	RESULTS	PRESCRIBED LIMIT
1. pH	APHA 23rd Ed., 4500-H+B : 2017	: 7.10	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 ⁰ 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 and Work zone monitoring at 3 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	59.4	67.1	64.77
	Night time monitoring	52.5	58.2	56.22
Near Security Gate	Day time monitoring	60.5	66.9	64.79
	Night time monitoring	53.8	62.5	60.04
Near DVC Meter Room	Day time monitoring	62.7	69.5	67.31
	Night time monitoring	54.7	60.8	58.74
Dandua Village	Day time monitoring	54.5	59.2	57.46
	Night time monitoring	42.8	50.1	47.83

Table 5.2 Results of Work Zone Noise Level Study

Location	Monitoring Session	Minimum [dB(A)]	Maximum [dB(A)]	Leq [dB(A)]
Near Raw Material Storage Yard – R.M. Handling Section	Day time monitoring	69.2	73.7	71.26
Near Ferro Division – Inside the Ferro Alloys Plant		69.6	76.5	74.3
Inside the Plant		66.5	71.3	69.6

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

The daytime and nighttime ambient noise level was found within the prescribed limit.

ANNEXURE-1

O/K.

Eloquent Steel Private Limited

19, Biplabi Anukul Chandra Street, Kolkata-700072

Tel: +919433014488, e-mail: vcpl@hotmail.co.in

CIN : U51909WB2012PTC185734

31 August 2017

SPEED POST

To,
The Superintendent of Police,
Burdwan District,
Badamtala, Kalibazar, Burdwan,
West Bengal 713101

Sub: Hiran Concast Ltd. (In liquidation), Dendua, PS: Salanpur, Burdwan.

Dear Sir,


In terms of the orders passed by His Lordship, Hon'ble Justice I.P. Mukherjee, Calcutta High Court, on 25.08.2017, we were the successful purchaser of the assets and properties of the aforesaid Company (In liquidation). The Official Liquidator was directed to give possession and Police authority to render all assistance to the Official Liquidator to handover peaceful possession to the purchaser.

The Official Liquidator by its letter dt. 30.08.2017 is going to handover the possession of the same on 01.09.2017 in terms of the order dated 25.08.2017.

This is for information and necessary action.

Thanking you,

Yours faithfully,
For Eloquent Steel Private Limited,


Jagdish Gupta
Director

Encl.: Order dated 25.08.2017 and letter dt. 30.08.2017 of the Official Liquidator.

Cc to:

The Officer-In-Charge,
Salanpur Police Station, *Kalyaneshwar Investigation Centre*
Near Salanpur Railway Station, *Asansol, Durgam Police*
PWD Old Building, *Under Salanpur P.S.*
Khudika Mouja.

Received
[Signature]
31/08/17

OF PRINCEP STREET 700072
BEN No. 19446707012E
EW7644149051N
Counter No:1, CP-Code:WBI
To: THE S.P. OF POLICE, BURDWAN DISTRICT
BURDWAN, PIN:713101
From: ELOQUENT STEEL PRIVATE LIMITED, KOL-072
Wt: 300gms., 31/08/2017 14:54
PS:41.01.
POST @ ₹ 3 .SGST @ 2% 3.00
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Phone : 2242-0708
2243-5073
2248-6067



Tele : SAMAPOC
FAX : 2248-2483
E-mail : Olkolkata@gmail.com
ol-kolkata-mca@nic.in

Government of India/भारत सरकार
Ministry of Corporate Affairs/कॉर्पोरेट कार्य मंत्रालय
Office of the Official Liquidator/शासकीय समापक का कार्यालय
High Court, Calcutta/उच्च न्यायालय, कलकत्ता
9, Old Post Office Street 5th Floor, /9, ओल्ड पोस्ट ऑफिस स्ट्रीट, 5वाँ मंजिल,
Kolkata - 700 001/कोलकाता 700 001

No. OL-1821/12/ 2969 /G
To
The Director,
Eloquent Steel Private Ltd.
19, Biplabi Anukul Chandra Street,
Kolkata- 700072

Dated: 30th August, 2017

C.P. No. 84 of 2015
In the matter of:-
Hira Concast Ltd.
(In Liquidation)

Sub: Making over possession of the assets & properties at the factory premises

Sir,

In compliance with the order of the Hon'ble High Court, Calcutta dated 25th August, 2017, the date of making over possession of the entire assets and properties of the subject Company (In Liquidation) lying and situate at the factory premises at Mouza- Nacrojoria, P.O. + P.S. - Salanpur, Dist: Burdwan, WB- 713357 has been fixed on 1st September, 2017 at 12.30 P.M. onwards.

A web-text of the order dated 25th August, 2017 is enclosed hereto.

In view of the above, you are requested to be present on the spot in person or by any authorised representative with a letter of authority and Identity Card at the time of making over possession of the aforesaid factory premises of the Company (In Liquidation) on the aforesaid date and schedule.

Encl: As stated

Yours faithfully,

Asstt. Official Liquidator,
High Court, Calcutta

CA No. 297 of 2017
with
CP No. 84 of 2015
CA No. 287 of 2017
IN THE HIGH COURT AT CALCUTTA
; ORIGINAL JURISDICTION

In the matter of:
Hira Concast Ltd. (In Liqn.)

Before:
The Hon'ble Justice I. P. MUKERJI
Date: 25th August 2017

Appearance:
Mr. Rajib Lall, Advocate
for the O/L,
Mr. Jaffar Haque, Advocate
for Variety Traders Complex
Mr. Arik Banerjee, Advocate
for Singh Enterprise
Mr. Niladri Banerjee, Advocate
for Amar Eron Udyog
Ms. Sweta Gandhi, Advocate
for Eloquent Steel Pvt. Ltd.

The Court: Further to the order dated 4th August 2017, on 23rd August 2017 the Official Liquidator conducted an auction for sale of the movable and immovable assets of the company (in liqn.) situated in Burdwan.

Mr. Lall for the Official Liquidator submits that bidding process has duly conducted by the Official Liquidator and at the second bid Eloquent Steel Private Limited's offer of Rs.5,20,00,000/- was the highest. The Official Liquidator has filed a report of the auction dated 24th August 2017.

At this stage, learned counsel appearing for some parties who did not participate in the auction want to postpone the sale on the ground that they may consider making higher offer. The Court had adopted the

crowding the Court with offers and counter-offers thereby stalling and postponing the sale.

In those circumstances, sale of the above assets is confirmed in favour of Eloquent Steel Private Limited for Rs. 5,20,00,000/-, subject to the purchaser paying the balance consideration by 25th October 2017 when the sale will become absolute. After receipt of the balance consideration the Official Liquidator will execute a conveyance and registration in favour of the purchaser at their cost. The Superintendent of Police, Burdwan will render all assistance to the Official Liquidator to hand over peaceful possession to the purchaser.

The earnest money of the unsuccessful bidders shall be returned to them by the Official Liquidator not later than two weeks from date.

In default of making the payment the Official Liquidator will forthwith take out a letter for direction to obtain appropriate orders from this Court.

Both the applications (CA No. 297 of 2017 and CA No. 287 of 2017) are disposed by this order.

Certified photocopy of this order, if applied for, be supplied to the parties upon compliance with all requisite formalities.

(I. P. MUKERJI, J.)

Date: 01st Sept, 2017
 Time: 12:30 pm
 Place: Factory premises
 of the Company (In liqⁿ)
 Moura - Naerajoria
 P.S. - Salanpur
 Dist. - BURDWAN
 WEST BENGAL

CA No. 297 of 2017
 with
 CP No. 84 of 2015
 CA No. 287 of 2017
 In the matter of:
 HIMA Concast Ltd
 (In Liquidation)

Presents:

- (1) Sh. A. Baumopadhyay
 01/09/17
 (The authorized rep^t of the DL for Eloquent Steel Pvt. Ltd.)
- (2) Sh. S. Sen
 01/09/17
 (The authorized rep^t of Eloquent Steel Pvt. Ltd. being the purchaser pursuant to the order dt. 25/8/17 passed by Hon'ble High Court, Calcutta.)
- (3) Sh. Sekhar Gupta
 01/09/17
 (The authorized rep^t of the successful purchaser via. Shri Shakti Security Service on 30/8/2017, the representatives of the official liquidator as mentioned in the margin accompanied with Sh. Sekhar Gupta, the rep^t of the successful purchaser were at the aforementioned premises of the Company (In liquidation) for the purpose of making over possession of the same in compliance with the Hon'ble High court order dt. 25/8/2017.)
- (4) Sh. Biswajit Barik
 01/09/17
 (ASI, Rayaneswari Investigation Centre)
- (5) Sh. Prosenjit Roy
 01/09/17
 (The rep^t of Shri Shakti Services, being the security agency deployed by DL at the time of possession)



In pursuance of the order of the Hon'ble High Court, Calcutta dated 25/8/2017 passed in the aforementioned applications followed by the order of the official liquidator dt. 30/8/2017 and upon appropriate notice being given to all concerned parties including Commissionerate, Asantol - Durgapur Police, I.C., Salanpur, OC, of Rayaneswari Investigation Centre and the purchaser and the security agency viz. Shri Shakti Security Service on 30/8/2017, the representatives of the official liquidator as mentioned in the margin accompanied with Sh. Sekhar Gupta, the rep^t of the successful purchaser via. Eloquent Steel Pvt. Ltd. attended hereat the aforementioned premises of the Company (In liquidation) for the purpose of making over possession of the same in compliance with the Hon'ble High court order dt. 25/8/2017.

The rep^t of on and the successful purchaser firstly met with Sh. Biswajit Barik officer of Rayaneswari Investigation Centre and explained him the purpose of visit. The said officer assured the rep^t about such assistance to be provided from the Police Authority pursuant to the order of the Hon'ble High Court dt. 25/8/2017.

(1) Ant
01/09/17

(2) [Signature]
01/09/17

(3) Eloquent Steel Pvt. Ltd.
[Signature]
01/09/17
Authorized Signatory.



(5) Prosenjit Koley
11/9/17

Thereafter the repth. of OL and the purchaser entered into the aforesaid factory premises for making over possession of the assets & properties of the Company (in liquidation) in terms of Hon'ble High Court order dt. 25/8/2017.

On entrance, the repth. of OL met with Sh. Prosenjit Koley, a repth. of the Shiv Shakti Security Service who were being informed about the proceeding.

Thereafter the repth. of OL, repth. of successful purchaser and security agency took a round inspection of the entire premises of the Co. (in liq.) and made over peaceful possession to the repth. of the purchaser, on 'as is where's and whatever there is basis'. The repth. of the purchaser took over the same with full satisfaction. Accordingly all available keys were duly made over to the repth. of the successful purchaser after removing the existing seal made thereof.

On the move, the repth. of the purchaser was requested to engage their own security Agency since the security agency engaged by the official liquidator is being withdrawn from the factory premises in course of day.

(1) Aut
01/09/17

The Rept. of the Security Agency as mentioned in the margin, has withdrawn their security guards/guards from the factory premises as advised vide OL's order dt. 30/8/2017.

(2) Aut
01/09/17

After taking over peaceful possession of the entire factory premises the purchaser desired to take delivery of the few scrap materials which were lying scattered in the factory premises. Accordingly one truck bearing vehicle No. MH 31 M 3514 was being loaded and passed over from the factory premises.

(3) Aut
01/09/17
Authorized Signatory

The entire proceedings was executed in presence of local Police Authority, purchaser and Security Agency and upon satisfaction of the parties represented herein.

(4) Basera


(5) Basera Steel
11/9/17

The documents used during this proceeding as follow:-

- i) Letter of Authority in favour of the rept. of the purchaser.
- ii) Board Resolution confirming authorization.
- iii) Photo copy of the identity Card of the rept. of the purchaser.

iv) Hon'ble High Court order dt. 25/8/17. which are forming a part of this minutes. After making all compliances, the rept. of OL left the premises at about 4 PM.

ANNEXURE-2



ENVIROCHECK

Laboratory Recognised by MOEF/CC, WBPCB & OSPCB, Accredited by NABL and ISO 14001:2015 & OHSAS 18001:2007 Certified



OHSAS
18001:2007

STACK GAS ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 26.06.2019
4.	Report No.	: 57/EC/June/TR(A)/1/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019

A. GENERAL INFORMATION ABOUT STACK

1.	Stack attached to	: SEAF (No.1) (7.5 MVA)
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	: 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

B. RESULTS OF SAMPLING

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Flue Gas Temperature (°C)	IS: 11255 (Part 1)	107.0
2.	Barometric Pressure (mm of Hg.)	--	755.0
3.	Velocity of Gas flow (m/s)	IS: 11255 (Part 3)	9.19
4.	Quantity of Gas flow (Nm ³ /hr.)	IS: 11255 (Part III)	80860.03
5.	Concentration of SO ₂ (mg/Nm ³)	IS 11255 (Part 2) 1985 RA 2003	210.55
6.	Concentration of CO ₂ % (v/v)	IS 13270 1992 RA 2003	1.8
7.	Concentration of CO % (v/v)	IS 13270 1992 RA 2003	<1.0
8.	Concentration of Particulate Matter (mg/Nm ³)	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec 11(Vol. 3 11.07) : 2011	46.01

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

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

H.O. : 53/B, Rastraguru Avenue, Kolkata - 700028 (033-25792881/25497490, 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-3



ENVIROCHECK

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AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist - Paschim Bardhaman
3.	Date of sampling	: 26.06.2019 - 27.06.2019
4.	Report No.	: 57/EC/June/TR(A)/V/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019
7.	Particular of Plant	: Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	: Near Administrative Buildings
2.	Duration of Sampling	: 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 30.0
2.	Average Relative Humidity (%)	: 82.0
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 _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 52.45
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (PART 23) : 2006	: 86.15
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: 11.90
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 34.96
5.	Concentration of CO (mg/m ³)	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 0.18
6.	Concentration of Pb (µg/m ³)	IS 5182 (Part 22) 2004	: <0.01
7.	Benzo (a) Pyrene (BaP) (ng/m ³)	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec 11 (Vol. 11.07) : 2011	: <0.36
8.	Benzene (C ₆ H ₆) (µg/m ³)	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: <0.74
9.	Ozone (O ₃) (µg/m ³)	IS 5182 (Part-IX) : 1974	: <10.0
10.	Ammonia (NH ₃) (µg/m ³)	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	: <4.18
11.	Nickel (Ni) (ng/m ³)	EPA IO 3.2, 1999	: <0.02
12.	Arsenic (As) (ng/m ³)	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	: <0.01

Date : 06.07.2019

Authorised Signatory :

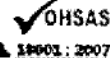
Dr. AJOY PAUL
Quality Manager

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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 - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 26.06.2019 - 27.06.2019
4.	Report No.	: 57/EC/June/TR(A)/VI/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019
7.	Particular of Plant	: Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	: Near Security Gate
2.	Duration of Sampling	: 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 30.0
2.	Average Relative Humidity (%)	: 82.0
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 _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 54.58
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (PART 23) : 2006	: 85.40
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol. 11.07) : 2011	: 10.63
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	: 39.02

Date : 06.07.2019

Authorised Signatory :

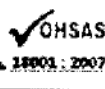
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ENVIROCHECK

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AMBIENT AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 26.06.2019 - 27.06.2019
4.	Report No.	: 57/EC/June/TR(A)/VII/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019
7.	Particular of Plant	: Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	: Near DVC Meter Room (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)	: 30.0
2.	Average Relative Humidity (%)	: 82.0
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 _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 49.22
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (PART 23) : 2006	: 81.23
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol 11.07) : 2011	: 7.86
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol 11.07) : 2011	: 30.04

Date : 06.07.2019

Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

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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 - Hira Concast Ltd.)
2.	Address	: Vill. - Nakraoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	: 26.06.2019 - 27.06.2019
4.	Report No.	: 57/EC/June/TR(A)/VII/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019
7.	Particular of Plant	: Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	: Dandua Village (1.0 km Distance from Plant)
2.	Duration of Sampling	: 24 hrs. (11:00 a.m. - 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 30.0
2.	Average Relative Humidity (%)	: 82.0
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 _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 43.76
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (PART 23) : 2006	: 74.54
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol 11.07) : 2011	: 6.80
4.	Concentration of NO _x (µg/m ³)	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
Quality Manager

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ANNEXURE-4



ENVIROCHECK

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WORK ZONE (FUGITIVE) AIR ANALYSIS REPORT

1.	Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Date of sampling	:	26.06.2019
4.	Report No.	:	57/EC/June/TR(A)/IX/19-20
5.	Analysis completed on	:	01.07.2019
6.	Reporting Date	:	06.07.2019
7.	Particular of Plant	:	Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	:	Raw Materials Storage Yard
2.	Duration of Sampling	:	08 hrs. (10:40 a.m. - 06:40 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	31.4
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	491.80
2.	Concentration of *RPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (PART 23) : 2006	161.08
3.	Concentration of *SO ₂ ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol 11.07) : 2011	6.37
4.	Concentration of *NO _x ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol 11.07) : 2011	28.56

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 ; 033-25792889
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ENVIROCHECK

Laboratory Recognized by MOEF/MCC, WBPCB & OSPCB, Accredited by NABL and ISO 14001:2015 & OHSAS 18001:2007 Certified



WORK ZONE (FUGITIVE) AIR ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)
2.	Address	: Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – Paschim Bardhaman
3.	Date of sampling	: 26.06.2019
4.	Report No.	: 57/EC/June/TR(A)/X/19-20
5.	Analysis completed on	: 01.07.2019
6.	Reporting Date	: 06.07.2019
7.	Particular of Plant	: Ferro Alloy Unit

A] GENERAL INFORMATION

1.	Location of Sampling	: Ferro Alloy Plant
2.	Duration of Sampling	: 08 hrs. (11:00 a.m. – 07:00 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	: 33.4
2.	Average Relative Humidity (%)	: 78.4
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	: 426.03
2.	Concentration of *RPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (PART 23) : 2006	: 150.26
3.	Concentration of *SO ₂ ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007 : Sec 11 (Vol 11.07) : 2011	: 7.01
4.	Concentration of *NO _x ($\mu\text{g}/\text{m}^3$)	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
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 Overseas : - Abu Dhabi - Doha - Amsterdam

ANNEXURE-5



ENVIROCHECK

Laboratory Recognised by MOEF&CC, MBPCB & OSPCB, Accredited by MA&I, and ISO 14001:2015 & OHSAS 18001:2007 Certified



EFFLUENT WATER ANALYSIS REPORT

1.	Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman
3.	Report No.	: Env/505/W/M/19-20
4.	Date of sampling	: 26.06.2019
5.	Reporting date	: 05.07.2019
6.	Type of sample	: Effluent Water
7.	Location of sample	: Cooling Water Storage Tank
8.	Collection & Preservation of sample	: APHA 23 rd Ed., 1060 : 2017
9.	Sample collected in presence of	: Company Representative

PARAMETERS	TEST METHODS	RESULTS
1. pH	APHA 23 rd Ed., 4500-H+B : 2017	: 7.10
2. Total Suspended Solids (mg./l)	APHA 23 rd Ed., 2540 D : 2017	: <10.0
3. Oil and Grease (mg./l)	APHA 23 rd Ed., 5520 B/D : 2017	: <1.0
4. COD (mg./l)	APHA 23 rd Ed., 5220 B/C/D : 2017	: 20.0
5. BOD [3 days, 27°C] (mg./l)	APHA 23 rd Ed., 5210-B : 2017	: 5.0

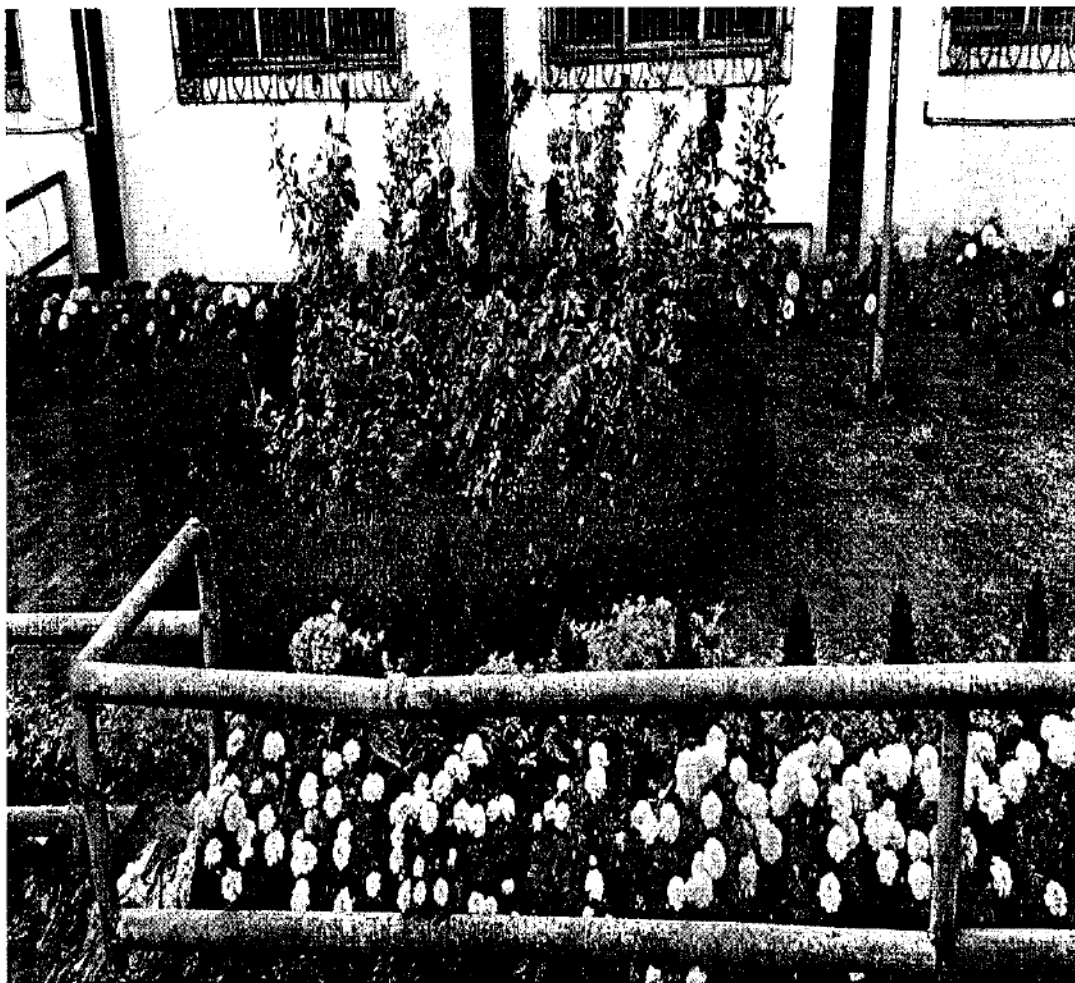
Authorised Signatory :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/26497490, Fax : 033-25299141
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 Overseas : • Abu Dhabi • Doha • Amsterdam

ANNEXURE-6

**PLANTATION INSIDE THE PLANT BY INDIGENOUS SPECIES
FOR GREEN COVER DEVELOPMENT**



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-7

Hira → Ello

WEST BENGAL POLLUTION CONTROL BOARD

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



Consent Letter Number: CO110122

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

Memo Number: 1539 - MPB/Regd (13m)/CO- (131) / 08

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 Elloquent Steel Pvt. Ltd. (Formerly known as M/s Hira Concast Ltd) (Address of Regd. office/Head Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Vill - Nakkrajaria P.O. & P.S. - Saranpur, Dist - Paschim Bardhaman

(Detailed address of the manufacturing unit)

for a period from 1/1/2023 to 30/04/2023

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.)

ANNEXURE

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as m/s. Hina Concast Ltd)
 its unit at VILL - NATAJONIA
 P.O. + P.S. - Salampur, Dist - Paschim Bardhaman

Conditions :

This Consent is valid for the manufacture of :-

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Ferro Manganese	2296 MT
02	Silico Manganese	1728 MT
03	M.S. Ingot	4417 MT
04		
05		
06		
07		
08		
09		
10		
11		
12		

2. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
3. Daily discharge of industrial liquid effluent shall not exceed KL.
4. Daily discharge of domestic liquid effluent shall not exceed 4.0 KL.
5. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
6. The Applicant shall discharge liquid effluent to Soak pit (place of discharge) through 01 nos. outlets / outfalls.
7. 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.
8. 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.....

present to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as M/s. Hira Concast Ltd.)
 for its unit at Vill - Naknajarainia
P.O. + P.S. - Salaspur, Dist - Paschim Bardhaman

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
81	Domestic	pH	Between: 5.5 to 9.0	Yearly
		Total Suspended Solids	Not to exceed: 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 250 mg/l.	
		Oil & Grease	Not to exceed: 70 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.

[Signature] 22/06/18
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....

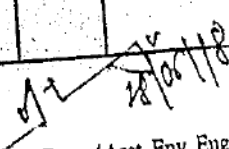
(4)

Consent to M/s Eloquent Steel Pvt. Ltd. (Formerly known as M/s Hira Concast. Ltd.) Vill - Naknagar
 for its unit at P.O. + P.S. - Salampur, 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 ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)			
S-1	30	SEAF (1x5.5MVA)	—	—	100	—	—	—	Half yearly
S-2	30	SEAF (1x7.5MVA)	—	—	100	—	—	—	Do -
S-3	30	02 Nos. Induction Furnace (2x7MT/each)	—	—	150	—	—	—	Yearly
S-4	7	01 No. D.G. Set (250 KVA)	—	—	150	—	—	—	Do -
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									


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

Continued.....

Consent to M/s. Elanant Steel Pvt. Ltd. (Formerly known as M/s. Hira
concast Ltd.) Vill. - Nakrajoria
 for its unit at P.O. + P.S. - Salainpur, 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	2152 MT/month	-	Used in Si-Mn production
Sl-Mn Slag	1900 MT/month	-	Royal 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_{eq}
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.....

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as M/s. Hira
Concast Ltd.)
 Works unit at Vill. - Nakrajoria
P.O. + P.S. - Salampur, Dist. - Paschim Bardhaman

24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. The Applicant 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.
31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. 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 quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including 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.
34. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. 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.
36. 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.

Additional Conditions

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

ANNEXURE-8A



ENVIROCHECK

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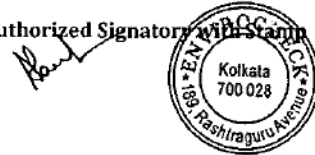
NOISE LEVEL STUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 26/06/2019
IV. Reporting Date	: 06/07/2019
V. Report No	: 349/EC/M/N/1/19-20
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 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)
9:00 - 9:20	59.4	67.1	64.77
NIGHT TIME			
2. Location of Study	Near Administrative Building		
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:10 - 10:30	52.5	58.2	56.22

Report Print Date: 06/07/2019

Authorized Signatory



>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889
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NOISE LEVEL SYUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 26/06/2019
IV. Reporting Date	: 06/07/2019
V. Report No	: 349/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 Unit
X. Sample Monitoring by	: Mr. Kamalesh Das

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study		Near Security Gate	
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
9:30 - 9:50	60.5	66.9	64.79
NIGHT TIME			
2. Location of Study		Near Security Gate	
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:40 - 11:00	53.8	62.5	60.04

Report PrintDate: 06/07/2019

Authorized Signatory



>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 { 033-25792889
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NOISE LEVEL SYUDY (AMBIENT)

I. Name of the Industry/Factory/Company	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 26/06/2019
IV. Reporting Date	: 06/07/2019
V. Report No	: 349/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 Unit
X. Sample Monitoring by	: Mr. Biswajit Ghosh

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study	Near DVC Meter Room (Back Side of the Plant)		
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:00 - 10:20	62.7	69.5	67.31
NIGHT TIME			
2. Location of Study	Near DVC Meter Room (Back Side of the Plant)		
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:10 - 11:30	54.7	60.8	58.74

Report Print Date: 06/07/2019

Authorized Signatory



>End of Report<

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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 - Hira Concast Ltd.)
II. Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
III. Date of Sampling	: 26/06/2019
IV. Reporting Date	: 06/07/2019
V. Report No	: 349/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 Unit
X. Sample Monitoring by	: Mr. Bhubaneswar Ghosh

RESULTS OF NOISE LEVEL STUDY			
DAY TIME			
1. Location of Study		: Dandua Village (1.0 KM Distance from Plant)	
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:30 - 10:50	54.5	59.2	57.46
NIGHT TIME			
2. Location of Study		: Dandua Village (1.0 KM Distance from Plant)	
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:40 - 12:00	42.8	50.1	47.83

Report Print Date: 06/07/2019

Authorized Signatory & Stamp



H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141
 Laboratory : 188,190&192 Rastraguru Avenue, Kolkata - 700028 { 033-25792889
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ANNEXURE-8B



ENVIROCHECK

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



NOISE LEVEL SYUDY (WORK ZONE)

- I. Name of the Industry/Factory/Company : Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
- II. Address : Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
- III. Date of Sampling : 26/06/2019
- IV. Reporting Date : 29/06/2019
- V. Report No : 450/EC/M/N/1/19-20
- 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 Unit
- X. Sample Monitoring by : Mr. Bhubaneswar Ghosh

RESULT OF NOISE LEVEL STUDY					Time : 10:00 - 10:20A.M
DAY TIME					
1. Location : Raw Material Storage Yard - R.M. Handling Section					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.1	72.7	71.59	East Side
02.	dB(A)	67.5	73.8	71.70	West Side
03.	dB(A)	70.4	74.3	72.77	North Side
04.	dB(A)	69.1	72.7	71.26	South Side
Average dB(A) Leq				71.83	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

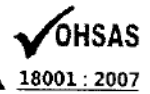
>End of Report<

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 : info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org
 Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi
 Overseas : • UAE • Qatar • Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB, JSPCB & OSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



NOISE LEVEL SYUDY (WORK ZONE)

- I. Name of the Industry/Factory/Company : Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
- II. Address : Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
- III. Date of Sampling : 26/06/2019
- IV. Reporting Date : 29/06/2019
- V. Report No : 450/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 Unit
- X. Sample Monitoring by : Mr. Kuntal Saha

RESULT OF NOISE LEVEL STUDY					Time :10:30 - 10:50 A.M
DAY TIME					
*1. Location : Ferro Division - Inside the Ferro Alloys Plant					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	70.5	77.5	75.28	East Side
02.	dB(A)	70.2	76.7	74.57	West Side
03.	dB(A)	69.2	74.8	72.85	North Side
04.	dB(A)	68.5	77.1	74.65	South Side
Average dB(A) Leq				74.33	

Reviewed By:

Kuntal Saha
Dy. Quality Manager

Approved By:

Kuntal Saha
Quality Manager

>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299141
 Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 { 033-25792889
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NOISE LEVEL STUDY (WORK ZONE)

- I. Name of the Industry/Factory/Company : Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
- II. Address : Vill. - NakraJoria, P.O + P.S - Salanpur, District - Paschim Burdwan
- III. Date of Sampling : 26/06/2019
- IV. Reporting Date : 29/06/2019
- V. Report No : 450/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 Unit
- X. Sample Monitoring by : Mr. Subhas Mondal

RESULT OF NOISE LEVEL STUDY					Time: 11:00 - 11:20 A.M
DAY TIME					
1. Location : Inside the Plant					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	68.2	70.5	69.50	East Side
02.	dB(A)	65.4	70.8	68.89	West Side
03.	dB(A)	64.9	73.2	70.79	North Side
04.	dB(A)	67.5	70.9	69.52	South Side
Average dB(A) Leq				69.67	

Reviewed By:

Subhas Mondal
Dy. Quality Manager

Approved By:

Subhas Mondal
Quality Manager

>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889
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Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi

ANNEXURE-9

CH/10877
6/11/12

F. No. J-11011/49/2010-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

EIM-A/250
22/11/12
(41)

Debasish Saha
[Signature]
19/11/2012

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail: ahuja.raj@nic.in
Tele/fax: 011 - 2436 3973
Dated: 3rd September, 2012

To,
M/s Hira Concast Limited
33-Chittaranjan Avenue, 2nd Floor
Kolkata-700 012
West Bengal

12739-8
7.11.12

[Handwritten Signature]
29/11/12

Fax : 033 2248-6987
E-mail: she_kol@yahoo.co.in ; ventair2119@dataong.in

Sub: Expansion of Ferro Alloy Plant (Fe-Mn & Si-Mn) by installing 5.5 MVA SAF at Mouza Nakrajoria, PS Salanpur, Dist. Burdwan, West Bengal by M/s. Hira Concast Limited - Environmental Clearance

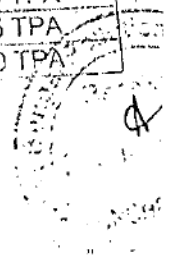
Sir,

This has reference to your letter no. dated 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 Hira Concast Limited have proposed to expand its existing plant by installing 1 X 5.5 MVA Ferro Alloy Plant at Mouza : Nakrajoria, P.S. : Salanpur, District : Burdwan in West Bengal. The expansion will be carried within the existing plant premises of 6.68 acres and green belt will be developed in 2.20 acres of area. 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 will be used as raw materials. Total cost of the proposed project is Rs. 10.63 Crores. Rs. 80.0 Lakhs and Rs. 10.0 Lakhs/Annum will be earmarked towards total capital cost and recurring cost for environmental pollution control measures.

3. Following are the details of existing facilities and proposed facilities to be installed.

	Units	Existing	Additional	Total
Main	Submerged Arc Furnace (SAF)	1 X 7.5 MVA	1 X 5.5 MVA	1 X 7.5 MVA and 1 X 5.5 MVA
	Induction Furnace	2 X 7 T	---	2 X 7 T
Installed	Ferro Manganese	15,225 TPA	12,330 TPA	27,555 TPA
	Silico Manganese	11,455 TPA	9,280 TPA	20,735 TPA
	Ingots	53,000 TPA	---	53,000 TPA



4. The smoke and fumes collected from SAF 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 4 m³/d in addition to existing consumption of 24 m³/d which will be sourced from borewell/rainwater harvesting pond. Maximum recycling of wastewater will be carried after proper treatment towards zero discharge. Treated wastewater will be used for dust suppression and green belt development. Effluent streams such as cooling tower blow down, floor washings, etc. will be used for fugitive dust suppression, water sprinkling etc. Sewage will be treated in septic tanks. Power requirement (existing: 14 MVA; additional : 5.5 MVA) will be met from Damodar Valley Corporation. DG set of capacity 1 X 250 kVA will be installed and used during power failure only.

6. Fines and 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 coloured glass / insulated bricks. 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. DG set will be provided with silencer.

7. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 35th meeting held during 26th - 27th 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 17.11.2011.

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 14th 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.
- 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/Nm³.
- 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.
- 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 make up water requirement shall not exceed 28 m³/day. 'Zero' effluent discharge shall be strictly followed and no wastewater should be discharged outside the premises.
- 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 17th 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.

GENERAL CONDITIONS:

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

No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.

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, SO₂ and NO_x 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 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.

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).

- v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vi. 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.
- vii. 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. As proposed, Rs. 2.5 Crores and Rs. 0.7 Crores 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, SO₂, NO_x (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 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 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.

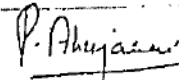
10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

11. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

(Dr. P. L. Ahujarai)
Scientist 'F'

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, Parivosh 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.


(Dr. P.L. Ahujarai)
Scientist -F