

Ref: - ESPL/HCL/SMC/OCT 2021 to MARCH 2022

Date: 27.05.2022

To,
The Inspector General of Forest (IGF)
GOI, MoEF&CC,
Integrated Regional Office, Kolkata
IB-198, Salt Lake City, Sector-III
Kolkata - 700106

SUB: Six Monthly Compliance (October-2021 to March-2022) to Environmental Clearance conditions vide MoEF&CC F. No. J-11011/49/2010-IA-II (I) Date: 3rd September, 2012, F. no.: J-11011/533/2008-IA-II (I) Date : 11th Dec. 2008 and EC transfer letter dated 15th October 2020 by M/s Eloquent Steel Pvt. Ltd. (formerly Hira Concast Ltd.) Vill-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Bardhaman (WB)

Dear Sir/Madam,

With reference to above, we are submitting enclosed herewith the six monthly compliance report (Period October-2021 to March-2022) for M/s Eloquent Steel Pvt. Ltd. (Formerly Hira Concast Ltd.) Village-Nakrajoria, PO & PS-Salanpur, Dist-Paschim Bardhaman (WB) as per the directives of Ministry of Environment, Forest and Climate Change, Government of India. Point wise compliance status report along with latest environment monitoring data is enclosed for your kind perusal.

Hard copy of the report has not been sent following MoEF&CC direction vide File No. 106-12/EPE Dated 11.05.2020. Hope you will find the same in order.

Kindly acknowledge our submission.

Thanking you and with regards,

Yours Faithfully,

For Eloquent Steel Pvt. Ltd.
(Formerly Hira Concast Ltd.)

Authorized Signatory

Encl: as above



Copy to:

The Environmental Engineer, West Bengal Pollution Control Board, Asansol Regional Office,
Kalyanpur Satellite Township Project, Dr. B.C. Roy Road, PO- Dakshin Dhadka, Asansol-713302 Dist.-Paschim Bardhaman (WB)

SIX MONTHLY COMPLIANCE REPORT

OCTOBER, 2021 – MARCH, 2022



Prepared by:



M/s Eloquent Steel Pvt. Ltd.
(Formerly M/s Hira Concast Limited)

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

Eloquent Steel Pvt. Ltd.

(Formerly Hira Concast Ltd.)

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

Ref: MoEF&CC F. No. : J-11011/49/2010-IA-II (I) Date : Sept. 03, 2012,
F. no.: J-11011/533/2008-IA-II (I) Date : 11th Dec. 2008 and,
EC transfer letter dated 15th October, 2020

COMPLIANCE PERIOD:

OCTOBER-2021 TO MARCH-2022

INTRODUCTION

The project of M/s Eloquent Steel Pvt. Ltd. (formerly M/s. Hira Concast Ltd.) is located at Village-Nakrajoria, PO & PS- Salanpur, District- Paschim Bardhaman-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 (closed units) 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 01.09.2017 (**Annexure-1**). Date of land registry in the name of Eloquent Steel Pvt. Limited from Hira Concast Ltd is -27.11,2017. The unit was 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, and the operation was started in the month of April, 2019.

M/s. Eloquent Steel Pvt. Ltd. applied for transfer of environmental clearance from Hira Concast Limited and it was transferred on 15th October, 2020 by the order of MoEF&CC (Impact Assessment Division) (**Annexure-2**). Consent to Establish & Consent to Operate has also been obtained from West Bengal Pollution Control Board in the name of Eloquent Steel Pvt. Ltd. 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 October-2021 to March-2022.



Six Monthly Compliance Report
(October, 2021 – March, 2022)

M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)

Name of the Project	:	M/s Eloquent Steel Pvt. Ltd. (Formerly Hira Concast Ltd.) Village-Nakrajoria, PO & PS-Salanpur, Dist.–Paschim Bardhaman (WB)
Environmental Clearance Letter Ref.	:	F. No. J-11011/49/2010-IA-II(I) Date : Sept. 03, 2012, F. No.: J-11011/533/2008-IA-II (I) Date : 11 th Dec. 2008 and EC transfer letter dated 15 th October, 2020.
Period of Compliance Report	:	October 2021 to March 2022

Environmental Clearance F. No. J-11011/49/2010-IA-II(I) Date : Sept. 03, 2012

SL. NO.	CONDITIONS	COMPLIANCE STATUS
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 being 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 .	Continuous Emission Monitoring System has been installed, its connectivity with CPCB server is under process. Air pollution control devices viz. dust extraction systems with bag filters 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 is enclosed as Annexure-3
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.	Being complied. Ambient Air Quality is regularly being monitored. Last Monitoring Report is enclosed as Annexure-4
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.	Fume extraction system with spark arrester and bag filters have been provided with the Induction Furnaces and Fume extraction system with FDC & Bag Filters are provided with SEAFs to capture Fugitive emissions during process operation. Water sprinkling being done to control fugitive emissions on roads. Last work zone monitoring report is enclosed as Annexure-5.



**Six Monthly Compliance Report
(October, 2021 – March, 2022)**

**M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)**

SL. NO.	CONDITIONS	COMPLIANCE STATUS
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.	It is being complied. Regular monitoring of effluent and surface water quality is being done. No industrial effluent being discharged outside the plant premises. Last monitoring report is enclosed as Annexure- 6 & 7.
6.	The makeup water requirement shall not exceed 28m ³ /day. 'Zero' effluent discharged shall be strictly followed and no wastewater should be discharged outside the premises.	All possible attempts are taken to ensure optimal use of water within the factory premises. Recycle and Reuse practices has been adapted by us to ensure 'Zero' effluent discharge 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.	Noted. We have a rain water harvesting pond and water from this pond is being used in order to keep the water requirement low.
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.	It is being complied. Ferro Manganese (Fe-Mn) Slag being used for the manufacturing of Silico Manganese (Si-Mn), and Silico Manganese slag being used for land filling and road construction.
9.	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	Noted.
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.	Risk and Disaster Management Plan along with mitigation measures has been prepared and submitted to Ministry's Regional Office.
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	Public Hearing was held on 17th November, 2011 and EC was granted on 3 rd September, 2012 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) and possession was taken over on 01.09.2017 through auction from Official Liquidator



SL. NO.	CONDITIONS	COMPLIANCE STATUS
	separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	of Hon'ble High Court Calcutta and we don't have the Public Hearing details that's why specific compliance is difficult for us.
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.	Company has achieved the desired plantation target of 33%. Total plant area inclusive of Impex Steel Ltd & Hira Concast Ltd. now taken over by Eloquent Steel Pvt. Ltd. is 9.089 Hectare. Based on this company has to develop 3.00 Ha. green belt. Approx. 7000 plants of different type of indigenous species have been planted including old and new plantation after taken of these two units. Selection of species done on the basis of recommendation of DFO as well as the species found suitably growing in local areas. Some photographs are attached as Annexure 8 .
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.	EC was granted on 3 rd September, 2012 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) and possession was taken on 01.09.2017 through auction from Official Liquidator of Hon'ble High Court, Calcutta and we don't have any record of Public Hearing. It is believed that details might have been submitted by the then proponent.
14.	The company shall 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.	Noted. At present no construction work is carried on.
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.	It is being complied. Stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government is being adhered by the company. Consent to Operate obtained from WBPCB is attached as Annexure-9 .
2.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted. No further modification or expansion will be undertaken without prior approval of the MoEF&CC.



SL. NO.	CONDITIONS	COMPLIANCE STATUS
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 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 for PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x . Last Ambient Air Quality monitoring reports and stack monitoring reports are enclosed as Annexure-4 and Annexure-3 .
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 from time to time. The treated wastewater shall be utilized for plantation purpose.	Recycle and reuse practice has been adapted by us and no industrial waste water being discharged outside the factory premises. Effluent analysis report is enclosed as Annexure-6 .
5.	The overall noise levels in and around the plant area shall be kept well within the standards [(85 dB(A)] 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 dB(A) (day time) and 70 dB(A) (night time).	It is being complied. 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 Noise and Work Zone Noise Monitoring report is attached as Annexure 10A and 10B .
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance for the employees being carried and records are maintained. Health check-up report and some photographs of health check-up are attached as Annexure-11A & 11B .
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.	Complied. We have rain water harvesting pond and water from this pond is being reused in order to keep the water requirement low.
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	EC was granted on 3 rd September, 2012 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) and possession was taken on 01.09.2017 through auction from Official Liquidator of Hon'ble High Court, Calcutta. EIA/EMP report is not



SL. NO.	CONDITIONS	COMPLIANCE STATUS
	socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	having with us. Environmental protection measures viz. dust/Fume extraction system with spark arrester and bag filters have been provided with the Induction Furnaces and Fume extraction system with FD cooler followed by Bag Filters are provided with SEAFs to capture Fugitive emissions during process. Water sprinkling being done to control fugitive emissions on roads. For the safeguard of employees PPEs like safety helmet, safety shoes, hand gloves, nose masks, ear plug safety apron etc. being provided. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the stack emission level, Ambient Air Quality, Work Zone Air quality, Ambient noise and work zone noise level. Reports are enclosed as Annexure-3, 4, 5 & 10A & 10B . With normalization of covid-19 situation, Company is initiating its contribution to community development program in the surrounding villages like distribution of study materials to school children, clothing, blanket etc.
9.	As proposed, Rs. 2.5 Crores and Rs. 0.7Crores 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.	As M/s Hira Concast Ltd. was purchased by ESPL through auction that's why we don't have the details of capital cost incurred. Recurring cost for environmental protection measure being done as per requirement with no limitation to proposed directions for recurring expenses. It was approx. Rs. 6.5 Lakhs during this compliance period. Suitably skilled manpower has been provided for an efficient operation, monitoring and maintenance of the pollution control devices installed.
10.	A copy of clearance latter 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 latter shall also be put on the web site company by the proponent.	Complied. It is believed that the same has been compiled by the then project proponent to concerned local body. Trade License (Form-11) from Village Panchyat is attached as Annexure- 12 .



**Six Monthly Compliance Report
(October, 2021 – March, 2022)**

**M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)**

SL. NO.	CONDITIONS	COMPLIANCE STATUS
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.	Being complied. Compliance status with the stipulated EC conditions shall be uploaded on company's website. http://shakambhariispat.com/environmental-compliance Compliance status report shall be submitted as per 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.	It is being complied. Six monthly reports of EC Compliance including results of monitored data was regularly submitted to the regional Office of MOEF at Bhubaneswar and now it is submitted to the Integrated Regional Office Kolkata as per direction and the respective Zonal Office of Pollution Control Board. Hard copy of the report being doesn't send following MoEF&CC direction vide File No. 106-12/EPE Dated 11.05.2020.
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.	Being complied. The environment statement for Financial Year 2021-2022 will be submitted to WBPCB with copy to Integrated Regional Office of the MOEF&CC and the report will be uploaded on the company's website as per direction.



SL. NO.	CONDITIONS	COMPLIANCE STATUS
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.	EC was granted on 3 rd September, 2012 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) in September, 2017 through auction from Official Liquidator of Hon'ble High Court, Calcutta. Since EC was granted on 3 rd September 2012; therefore, it is believed that the same has been compiled by the then project proponent.
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.	EC was granted on 3 rd September, 2012 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) in September, 2017 through auction from Official Liquidator of Hon'ble High Court, Calcutta. Since EC was granted on 3 rd September 2012; therefore, it is believed that the same has been compiled by the then project proponent



Six Monthly Compliance Report
(October, 2021 – March, 2022)

M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)

Environmental Clearance Letter Ref.	:	F. No. J-11011/533/2008-IA-II(I) Date: 11 th Dec. 2008
Period of Compliance Report	:	October 2021 to March 2022

SL. NO.	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
1.	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 100mg/Nm ³ . The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can automatically stopped in case emission level exceed the limit. The monitoring reports shall be submitted to the Ministry's relational office at Bhubaneswar, CPCB & SPCB.	Continuous Emission Monitoring System has been installed, its connectivity with CPCB server is under process. Air pollution control devices viz. dust extraction systems with bag filters 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-3
2.	Gaseous emissions from Submerged Arc Furnace shall be controlled by providing smoke hood, heat exchanger, bag filter, inducted draft fan etc. A water-cooled cover around the furnace and fume collectors hood shall also be provided. Clean gas shall be vented to atmosphere through a chimney of adequate height as per CPCB guidelines.	It is being complied. For the proper control of gaseous emissions from SAF, fume extraction system with FD cooler followed by Bag Filters are provided with and being discharged through the stacks of adequate height.
3.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code CPCB shall be followed. Data on fugitive emissions	Secondary fugitive emissions being controlled with dust extraction system and dust suppression with adequate water sprinkling. Fume extraction system with spark arrester and bag filters have been provided with the Induction Furnaces and Fume extraction system with FDC & Bag Filters are



SL. NO.	CONDITIONS	COMPLIANCE STATUS
	shall be submitted to Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB.	provided with SEAFs to capture Fugitive emissions during process operation. Water sprinkling being done to control fugitive emissions on roads. Last work zone monitoring report is enclosed as Annexure-5 .
4.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dust collection system shall be provided for arresting dust and outlet dust emission shall not exceed 100 mg/Nm ³ . Dust suppression system like water spraying shall be provided at unloading and raw material handling areas, storage yards, conveyor belts and bucket elevators to control fugitive dust emissions to meet the WBPCB norms. Covered conveyer belts shall be provided. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.	For the control of fugitive dust emission conveyor belt galleries are covered. Water sprinkling being done in dust prone areas and to suppress the fugitive dust emission due to vehicular movement on regular basis.
5.	Total ground water requirement shall not exceed 6 m ³ /day. The softener back wash water shall be neutralized and used for dust suppression. All the other treated wastewater shall be recycled and reused in the process, slag cooling and green belt development. No process water shall be discharged outside the premises and 'Zero' discharge shall be adopted Domestic wastewater shall be treated in septic tank followed by soak pit system and used for plantation.	All possible attempts are taken to ensure optimal use of water within the factory premises. Softener backwash water being neutralized in neutralization tank and used for dust suppression. For the treatment of domestic waste water septic tank followed by soak pit facility have been provided. Recycle and Reuse practices has been adapted by us to ensure 'Zero' effluent discharge and no effluent being discharged outside factory premises.
6.	Prior permission for the drawl of 6 m ³ /day ground water shall be obtained from State Ground Water Board/Central Ground Water Authority (SGWB/CGWA).	The company has made agreement with Damodar Valley Corporation (DVC) to fulfil the requirement of water.
7.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report	Proper handling and storage and handling of solid waste being done.



SL. NO.	CONDITIONS	COMPLIANCE STATUS						
	regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, WBPCB and CPCB. Waste oil shall be sold to authorized recyclers as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.	<p>Ferro Manganese (Fe-Mn) Slag being used for the manufacturing of Silico Manganese (Si-Mn), and Silico Manganese slag being used for land filling and road construction. Induction Furnace slag also being used for road construction. These solid wastes are non-hazardous in nature.</p> <p>Used oil is sold to authorized recycler.</p> <p>Production of Silico Manganese slag and Induction Furnace slag during compliance period is as under:</p> <table border="1"> <tr> <td colspan="2">Period: October-2021 to March-2022</td> </tr> <tr> <td>Si-Mn Slag</td> <td>IF Slag</td> </tr> <tr> <td>4097.790 MT</td> <td>381.930 MT</td> </tr> </table>	Period: October-2021 to March-2022		Si-Mn Slag	IF Slag	4097.790 MT	381.930 MT
Period: October-2021 to March-2022								
Si-Mn Slag	IF Slag							
4097.790 MT	381.930 MT							
8.	All the Ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines. Dust collected from bag filter shall be collected and recharged in the furnace.	<p>It is being complied.</p> <p>Ferro Manganese (Fe-Mn) Slag being used for the manufacturing of Silico Manganese (Si-Mn), and Silico Manganese slag being used for land filling and road construction TCLP test being done time to time. Last TCLP test report is attached as Annexure-13</p>						
9.	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture Silico Manganese (Si-Mn).	Ferro Manganese (Fe-Mn) Slag being used for the manufacturing of Silico Manganese (Si-Mn).						
10.	As proposed, green belt shall be developed in at least 33% area in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines is consultation with DFO.	Company has achieved the desired plantation target of 33%. Total plant area inclusive of Impex Steel Ltd & Hira Concast Ltd. now taken over by Eloquent Steel Pvt. Ltd. is 9.089 Hectare. Based on this company has to develop 3.00 Ha. green belt. Approx. 7000 plants of different type of indigenous species have been planted including old and new plantation after taken of these two units. Selection of species done on the basis of recommendation of DFO as well as the species found suitably growing in local areas. Some photographs are attached as Annexure 8 .						
11.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro Alloy Units shall be strictly implemented.	The recommendation made in the Charter on Corporate Responsibility for Environment Protection (CREP like control of fugitive emission, installation of fume extraction system, bag filter, water sprinkling on road and other dust prone areas, closed conveyor galleries, noise control measures, industrial effluent management, solid waste management and disposal being complied.						



SL. NO.	CONDITIONS	COMPLIANCE STATUS
12.	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 can creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted. At present no construction work is carried on.
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.	Complied. Stipulations made by the West Bengal Pollution Control Board (WBPCB) and the State Government is being adhered by the company. Consent to Operate obtained from WBPCB is attached as Annexure-9 .
2.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry.	Noted. No further modification or expansion will be undertaken without prior approval of the MoEF&CC.
3.	The gaseous emissions from various process units shall conform to the load/mass-based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The WBPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provide so that process can be automatically stopped in case emission level exceeds the limit.	It is being complied.
4.	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with	Ambient Air Quality Monitoring being carried on periodically as per direction. Last Ambient Air Quality monitoring reports and ambient noise monitoring reports are enclosed as Annexure-4 and Annexure-10A .



SL. NO.	CONDITIONS	COMPLIANCE STATUS
	WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	
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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).	It is being complied. 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 Noise and Work Zone Noise Monitoring report is attached as Annexure 10A and 10B.
6.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance for the employees being carried and records are maintained. Health check-up report and some photographs of health check-up are attached as Annexure-11A & 11B.
7.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	EC was granted on 11 th December, 2008 and M/S Hira Concast Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) and possession was taken on 01.09.2017 through auction from Official Liquidator of Hon'ble High Court, Calcutta. EIA/EMP report is not having with us. Environmental protection measures viz. dust/Fume extraction system with spark arrester and bag filters have been provided with the Induction Furnaces and Fume extraction system with FD cooler followed by Bag Filters are provided with SEAFs to capture Fugitive emissions during process. Water sprinkling being done to control fugitive emissions on roads. For the safeguard of employees PPEs like safety helmet, safety shoes, hand gloves, nose masks, ear plug safety apron etc. being provided. Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the stack emission level, Ambient Air Quality, Work Zone Air quality, Ambient noise and work zone noise level. Reports are enclosed as Annexure-3, 4, 5 & 10A & 10B. With normalization of covid-19 situation, Company is initiating its contribution to community development



**Six Monthly Compliance Report
(October, 2021 – March, 2022)**

**M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)**

SL. NO.	CONDITIONS	COMPLIANCE STATUS
		program in the surrounding villages like study materials to school children, clothing, blanket etc.
8.	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	Complied. We have rain water harvesting pond and water from this pond is being reused in order to keep the water requirement low.
9.	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act	Housekeeping occupational health programmes are taken care as per direction.
10.	The company shall undertake eco-development measures including community welfare measures in the project area.	Company has undertaken necessary measures for sanitization, masks and sanitizer, door to door study material distribution to needy children to community at large and with normalization of Covid situation company is continuing the above with motive of community welfare at larger scale.
11.	A separate environmental management cell to carry out various management and monitoring actions shall be set in under the control of Senior Executive.	It is being adhered. Environmental monitoring and management being done on day to day basis and discrepancies if any being taken care under the control of senior executive.
12.	Adequate funds shall be earmarked towards the capital cost and recurring cost/annum for environment pollution control measures shall be used 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.	All necessary facilities for environmental pollution control measures have been installed and sufficient funds for recurring expanses being released for maintenance and other related activities.
13.	The Regional Office of this Ministry at Bhubaneswar CPCB/WBPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	It is being complied. Six Monthly compliance report being submitted to Regional Office of MoEFCC Kolkata office on regular basis.



**Six Monthly Compliance Report
(October, 2021 – March, 2022)**

**M/S Eloquent Steel Pvt. Ltd.
(Formerly M/s. Hira Concast Ltd.)**

SL. NO.	CONDITIONS	COMPLIANCE STATUS
14.	The 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.	it is believed that the it has been complied by the then project proponent
15.	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 W. B. Pollution Control Board and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should 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.	Since EC was granted on 11 th December 2008; therefore, it is believed that the it has been complied by the then project proponent
16.	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhubaneswar.	Noted and it shall be complied as per directions.
17.	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted
18.	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.	Noted



SL. NO.	CONDITIONS	COMPLIANCE STATUS
19.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997	Noted
20.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	It shall be complied with as per directions.



Annexure - 1

O/C.

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,

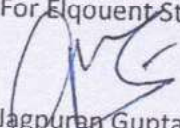
In terms of the orders passed by His Lordship, Hon'ble Justice I.P. Mukherjee, Calcutta High Court, on 25.08.2017, we were the successful purchaser of the assets and properties of the aforesaid Company (In liquidation). The Official Liquidator was directed to give possession and Police authority to render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


Jagpreet 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, *Kalyaneshwari Investigation Centre*
Near Salanpur Railway Station, *Asansol, Durgam Police*
PWD Old Building, *Under Salanpur P.S.*
Khudika Mouja.

Received
[Signature]
AV
09.09.17

SP PRINCEP STREET 700072
GSTN No: 19AAAGP0731J1ZB *mastra 900*
EW7644149051N
Counter No: 1, CP-Code: 9991
To: THE S.P. OF POLICE, BURDWAN DIST. Post
BURDWAN, PIN: 713101
From: ELOQUENT STEEL PRIVATE LIMITED, KOL-072
Wt: 30 grams. .31/08/2017 .14:56
PG: 41.00

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 आफिस 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

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 liquidn)

Nouza - Naerogoria

P.S. - Salanpur

Distt - BURDWAN

WEST BENGAL

CA No. 297 of 2017

with

CP No. 84 of 2015

CA No. 287 of 2017

In the matter of:

HINA Concast Ltd

(In Liquidation)

Presents:

(1) Sh. A. Bandopadhyay
Aut 01/09/17
01/09/17

(2) Sh. S. Sen
(The authorized repth
of the OL
for Eloquent Steel Pvt. Ltd,
01/09/17
Authorized Signatory

(3) Sh. Sekhar Gupta
(The authorized
repth. of Eloquent-
Steel Pvt. Ltd being
the purchaser pursuant
to the order dt. 25/8/17
passed by Hon'ble High
Court, Calcutta)

(4) Sh. Biswajit
ASI, Kalyaneswar
Investigation Centre

(5) Sh. Prosenjit Roy
(The repth. of Shiv
Shakti Services, being
the security agency
deployed by OL
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, Anantol
- Durgapur Police, IC, Salanpur, OC, of
Kalyaneswar Investigation Centre and
the purchaser and the security agency
viz. Shiv Shakti Security Service on
30/8/2017 the representatives of the
official liquidator as mentioned in the
margin accompanied with Sh. Sekhar
Gupta, the repth. of the successful purchaser
viz. 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 repth. of on and the successful
purchaser firstly met with Sh. Biswajit
Senior officer of Kalyaneswar Investigation
Centre and explained him the purpose of
visit. The said officer assured the repth.
about such assistance to be provided
from the Police Authority pursuant to
the order of the Hon'ble High Court
dt. 25/8/2017.



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

Thereafter the rept. of OL, rept. 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 rept. of the purchaser, on 'as is where is' and whatever there is basis'. The rept. of the purchaser took over the same with full satisfaction. Accordingly all available keys were duly made over to the rept. of the successful purchaser after removing the existing seal made thereof.

On the move, the rept. 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) *Ant*
01/09/17

(2) *Ant*
01/09/17

(3) of Eloquent Steel Pvt. Ltd.
Ant
01/09/17
Authorized Signatory.

(4) *Basu*


(5) Prosenjit Koley -
11/9/17

(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) Secur.
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) Eloquent Steel Pvt. Ltd.
Authorized Signatory
01/09/17

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

(4) Board


(5) Present Key -
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) Photocopy of the identifying 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

F. No. J-11011/49/2010-IA. II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003
E-mail: dirind-moefcc@gov.in
Tel: 011-24695368

Dated: 15th October, 2020

To

Shri. Deepak Kumar Agarwal,
Director,
M/s. Eloquent Steel Private Limited,
Village: NakraJoria, P.O: Salanpur,
District: Paschim Burdwan,
West Bengal – 700017.
E-mail: esplmoef@shakambharigroup.in

Subject: Transfer of Environment Clearance titled “Expansion of Ferro Alloy Plant (Fe-Mn & Si-Mn) by installing 5.5 MVA SAF at Mouza NakraJoria, P.S. Salanpur, Dist. Burdwan, West Bengal” **from M/s. Hira Concast Limited to M/s. Eloquent Steel Private Limited –regarding.**

Ref. : (i) MoEF&CC letter No. J-11011/533/2008-IA-II (I) dated 11/12/2008
(ii) MoEF&CC letter No. J-11011/49/2010-IA-II (I) dated 03/09/2012
(ii) Online proposal no. IA/WB/IND/165821/2020 dated 07/08/2020 & subsequent ADS reply letter dated 31/08/2020

Sir,

1. Reference is invited to your online proposal no. IA/WB/IND/165821/2020 dated 07/08/2020 & subsequent ADS reply letter dated 31/08/2020 requesting the Ministry to transfer the Environment Clearance accorded by MoEF&CC vide letter no. J-11011/533/2008-IA.II(I) dated 11/12/2008 and J-11011/49/2010-IA-II (I) dated 03/09/2012 from M/s. Hira Concast Limited to M/s. Eloquent Steel Private Limited.
2. The Ministry of Environment, Forest and Climate Change (MoEF&CC) has examined the request submitted by you. It is noted that the unit was not under operation for the last three years and was put up for auction by the authorities. The possession of M/s. Hira Concast Limited was made through Auction from Official Liquidator of Hon'ble High Court of Calcutta by M/s. Eloquent Steel Private Limited on 1/09/2017.
3. It is also noted that following documents have been submitted for the transfer of Environment Clearance dated 11/12/2008 and 03/09/2012:
 - i. Form No.7 for transfer of Environmental Clearance.
 - ii. Authorization letter enabling Shri. Deepak Kumar Agarwal, Director to correspond and execute documents with MoEF&CC

Transfer of Environment Clearance titled “Expansion of Ferro Alloy Plant (Fe-Mn & Si-Mn) by installing 5.5 MVA SAF at Mouza NakraJoria, P.S. Salanpur, Dist. Burdwan, West Bengal” from M/s. Hira Concast Limited to M/s. Eloquent Steel Private Limited.

- iii. Order dated 25/08/2017 of Hon'ble High Court of Calcutta in C.A. No. 287 & 297 of 2017 regarding auction for sale of property of M/s. Hira Concast Limited.
 - iv. Undertaking dated 28/07/2020 of M/s. Eloquent Steel Private Limited in a non-judicial stamp paper stating that they will be complying with the environmental safeguards mentioned in the Environment Clearance letter dated 11/12/2008 and 03/09/2012.
 - v. Memorandum and Articles of Association of M/s. Eloquent Steel Private Limited.
 - vi. Certificate of incorporation issued by the Ministry of Corporate Affairs to M/s. Eloquent Steel Private Limited on 11/09/2012.
4. This Ministry hereby accepts your request for change of company name in the Environment Clearance accorded vide letter no. J-11011/533/2008-IA.II(I) dated 11/12/2008 and J-11011/49/2010-IA-II (I) dated 03/09/2012 from M/s. Hira Concast Limited to M/s. Eloquent Steel Private Limited subject to satisfactory compliance to all the stipulated specific and general conditions. You are also requested to obtain 'Consent to Operate' from the West Bengal Pollution Control Board in the name of M/s. Eloquent Steel Private Limited.
 5. M/s. Eloquent Steel Private Limited shall comply with the all specific and general conditions stipulated in the Environment Clearance letter dated 11/12/2008 and 03/09/2012.
 6. In case, there is a change in the scope of the project, fresh Environment Clearance shall be obtained.

This issues with the approval of the Competent Authority.

Yours faithfully,



(A.K. Agrawal)
Director

Copy to:-

1. Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. Deputy Director General of Forests (Central), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubneshwar-751 023.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector -III, Salt Lake City, Kolkata - 700 098.
5. Member Secretary, Central Ground Water Authority, West Block -II, Wing -3, Sector I, R.K.Puram, New Delhi - 110086.
6. District Collector, Paschim Burdwan District, State of West Bengal.
7. Guard File / Record file / Monitoring file.
8. MOEF&CC Website.



(A.K. Agrawal)
Director

F. No. J-11011/49/2010-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: ahuja.rai@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

Fax : 033 2248-6987

E-mail: sh_e_kol@yahoo.co.in ; ventair2119@dataone.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.

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, 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).

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. 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.

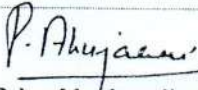
10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

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, 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.


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

F. No. J-11011/533/2008- 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 : pb.rastogi@nic.in
Telefax : 011: 2436 7668

Dated 11th December 2008

To,

The Director
M/s Hira Concert (Pvt.) Ltd.
Mouza _Nacrajoria, P.S. Salanpur
District Burdwan – 713357.
West Bengal

E-mail : ??? ; Fax No. : 033 - 22110011

Subject : Setting up of Ferro Alloy Plant (High Carbon Ferro Manganese, 15,225 TPA & Silico Manganese 11,455 TPA) in existing M.S. Ingot Plant at Mouza Nacrajoria, P.S. Salanpur, District Burdwan, West Bengal by M/s Hira Concast (Pvt.) Ltd. – Environment clearance reg.

Ref. : Your letter no. nil dated 17th June, 2008.

Sir,

Kindly refer your letter no. nil dated 17th June, 2008 alongwith project documents including Application in Form I, draft Terms of References (TORs) and Pre-feasibility Report and subsequent clarifications furnished vide letters 12th August, 2008 and 7th October, 2008 regarding above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal is for setting up of Ferro Alloy Plant (High Carbon Ferro Manganese, 15,225 TPA & Silico Manganese 11,455 TPA) in existing M.S. Ingot Plant at Mouza Nacrajoria, P.S. Salanpur, District Burdwan, West Bengal by M/s Hira Concast (Pvt.) Ltd. The proposed expansion by installation of submerged Arc Furnace (7.5 MVA) will be carried out in the existing campus and no additional land will be required. Total land acquired is 6.68 acres. Total cost of the project is Rs. 1,544.39 Lakhs. Following will be manufactured:

Product	Installed Capacity (TPA)	1 st Year	2 nd Year	3 rd year
High Carbon Ferro Manganese	15,225	12,180	12,941	13,702
Silico Manganese	11,455	9,164	9,737	10,310

2.0 Bag filters will be provided to the submerged arc furnace to control gaseous emissions within 150 mg/Nm³. Smoke hood, heat exchanger, bag filter, inducted dust (ID) fan and stack will be provided. Dust suppression system will be provided to control fugitive emissions. Total

ground water requirement will be 6 m³/day. No water will be discharged from the cooling system due to use for slag cooling, dust suppression etc. Softener back wash will be neutralized and used for dust suppression. No industrial waste will be generated due to recycle/reuse of the treated wastewater. Slag will be generated as solid waste and disposed by filling low lying area and making roads within the factory premises. Dust collected from bag filter will be collected and recharged in the furnace.

3.0 Public hearing is not required due to expansion of the proposed unit in the same campus as per Section 7 (ii) of EIA Notification, 2006.

4.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 14th September, 2006 subject to strict compliance of the following conditions:

A. SPECIFIC CONDITIONS :

- i) Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, I D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/Nm³. The West Bengal Pollution Control Board (WBPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit. The monitoring reports shall be submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB.
- ii) Gaseous emissions from Submerged Arc Furnace shall be controlled by providing smoke hood, heat exchanger, bag filter, inducted draft fan etc. A water-cooled cover around the furnace and fume collectors hood shall also be provided. Clean gas shall be vented to atmosphere through a chimney of adequate height as per CPCB guidelines.
- iii) 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. Data on fugitive emissions shall be submitted to Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB
- iv) In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dust collection system shall be provided for arresting dust and outlet dust emission shall not exceed 100 mg/Nm³. Dust suppression system like water spraying shall be provided at unloading and raw material handling areas, storage yards, conveyor belts and bucket elevators to control fugitive dust emissions to meet the WBPCB norms. Covered conveyor belts shall be provided. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.
- v) Total ground water requirement shall not exceed 6 m³/day. The softener back wash water shall be neutralized and used for dust suppression. All the other treated wastewater shall be recycled and reused in the process, slag cooling and green belt development. No process water shall be discharged outside the premises and 'Zero'

discharge shall be adopted. Domestic wastewater shall be treated in septic tank followed by soak pit system and used for plantation.

- vi) Prior permission for the drawl of 6 m³/day ground water shall be obtained from State Ground Water Board/Central Ground Water Authority (SGWB/CGWA).
- vii) Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhuvanesar, WBPCB and CPCB. Waste oil shall be sold to authorized recyclers as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
- viii) All the ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines. Dust collected from bag filter shall be collected and recharged in the furnace.
- ix) Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture Silico Manganese (Si-Mn).
- x) As proposed, green belt shall be developed in at least 33 % area in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines in consultation with DFO.
- xi) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro Alloy Units shall be strictly implemented.
- xii) 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 authority shall adhere to the stipulations made by West Bengal Pollution Control Board (WBPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The WBPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.

- iv. Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- 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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. All the environment management measures given in the EIA/EMP shall be implemented and complied with.
- viii. 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.
- ix. Proper house keeping and adequate occupational health programmes shall be taken up as per the Factory Act.
- x. The company shall undertake eco-development measures including community welfare measures in the project area.
- xi. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xii. Adequate funds shall be earmarked towards the capital cost and recurring cost/annum for environment pollution control measures shall be used 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.
- xiii. The Regional Office of this Ministry at Bhubaneswar/CPCB/WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- xiv. The 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.
- xv. 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 W. B. Pollution Control Board and may also be seen at the Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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.

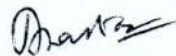
5.0 The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhubaneswar.

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

7.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

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


(Dr. P. B. Rastogi)
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. Adviser (IA-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.


(Dr. P. B. Rastogi)
Director

Annexure - 3



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/62/March/A/I	Report No.	: ENV/62/March/TR(A)/I/21-22		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 86.0
2.	Barometric Pressure	mm of Hg.	--	: 756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.36
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 55870.02
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 96.37
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 2.2
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	: 21.85

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/62/March/A/II	Report No.	: ENV/62/March/TR(A)/II/21-22		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 86.0
2.	Barometric Pressure	mm of Hg.	--	: 756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.36
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 55870.02
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 119.94
6.	Concentration of CO ₂	% (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 ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 28.83

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

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

Annexure - 4



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022 - 23.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/62/March/A/III	Report No.	: ENV/62/March/TR(A)/III/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Near Administrative Buildings
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 (%) : 64.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	52.93
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.10
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	16.64
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	36.15
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	0.38
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

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
 Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022 - 23.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/62/March/A/IV	Report No.	: ENV/62/March/TR(A)/IV/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Common Entrance for Hira Concast Ltd. and Impex Steel Ltd.
2. Duration of Sampling : 24 hrs. (10:30 a.m. - 10:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.0
2. Average Relative Humidity (%) : 66.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	49.79
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	82.47
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	11.30
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	29.95

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022 - 23.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/62/March/A/V	Report No.	: ENV/62/March/TR(A)/V/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Near DVC Meter Room (Back Side of 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 (%) : 65.2
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	48.29
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	80.06
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	7.46
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	28.54

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022 - 23.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/62/March/A/VI	Report No.	: ENV/62/March/TR(A)/VI/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Dendua Village (1.0 km. distance from Plant)
2. Duration of Sampling : 24 hrs. (11:30 a.m. - 11:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 29.0
2. Average Relative Humidity (%) : 64.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.96
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.21
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	12.37
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec 11 (Vol. 11.07) : 2011	32.46

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

Annexure - 5



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/62/March/A/VII	Report No.	: ENV/62/March/TR(A)/VII/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Raw Materials Storage Yard
2. Duration of Sampling : 08 hrs. (10:00 a.m. - 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	416.16

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/62/March/A/VII	Report No.	: ENV/62/March/TR(A)/VII/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Raw Materials Storage Yard
2. Duration of Sampling : 08 hrs. (10:00 a.m. - 06:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 62.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	16.64
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	31.76

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
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 Overseas : UAE ■ Qatar ■ Netherlands



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



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/62/March/A/VIII	Report No.	: ENV/62/March/TR(A)/VIII/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Ferro Alloy Plant
2. Duration of Sampling : 08 hrs. (10:30 a.m. - 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 36.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	456.0

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager



ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



TEST REPORT

FORMAT NO : ENV/FM/57

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 28.03.2022		
		Date of Issue	: 30.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/62/March/A/VIII	Report No.	: ENV/62/March/TR(A)/VIII/21-22		

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Ferro Alloy Plant
2. Duration of Sampling : 08 hrs. (10:30 a.m. - 06:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 36.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	10.88
2.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	30.11

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

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Overseas : UAE ■ Qatar ■ Netherlands

Annexure - 6



ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018



FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 22.03.2022		
		Period of Analysis	: 26.03.2022 - 29.03.2022		
		Date of Issue	: 31.03.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Recycling Water Storage Tank	Sample ID No.	: ENV/27/March/W	Report No.	: ENV/27/March/TR(W)/21-22

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500H+B APHA 23 rd Edition, 2017	-	6.78
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	30.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	4.5
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	38.08
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	6.0

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Sumit Chowdhury

Dr. SUMIT CHOWDHURY
Technical Manager

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Overseas : UAE ■ Qatar ■ Netherlands

Annexure - 7



ENVIROCHECK

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



FORMAT NO. ENV/FM/40

TEST REPORT

Name of the Industry	:	Eloquent Steel Pvt. Ltd.	Type of Industry	:	Steel & Power Unit
Address	:	Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – PaschimBardhaman	Sampling Date	:	21.03.2022
			Period of Analysis	:	23.03.2022 – 28.03.2022
			Date of Issue	:	29.03.2022
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No
			Type of Sample	:	Surface Water
Location	:	Rain Water Harvesting Reservoir	Sample ID No.	:	ENV/1131A/W/M
			Report No.	:	ENV/1131A/TR(W)/M/21-22

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	APHA 23 rd Ed., 4500 H ⁺ B : 2017	-	7.26
2.	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	20.0
3.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	210.0
4.	Dissolved Oxygen	APHA 23 rd Ed., 4500 – OC : 2017	mg/l	7.60
5.	COD	APHA 23 rd Ed., 5220 B/C/D : 2017	mg/l	15.0
6.	BOD [3 Day's at 27°C]	APHA 23 rd Ed., 5210 B : 2017	mg/l	5.5
7.	Oil & Grease	APHA 23 rd Ed., 5520 B/D/ : 2017	mg/l	<1.0
8.	Residual Chlorine	APHA 23 rd Ed., Cl-B : 2017	mg/l	<0.04
9.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg/l	11.50
10.	Iron	APHA 23 rd Ed., 3111 B : 2017	mg/l	0.30
11.	Arsenic	APHA 23 rd Ed., 3114 B : 2017	mg/l	<0.01
12.	Lead	APHA 23 rd Ed., 3111 B : 2017	mg/l	<0.005
13.	Mercury	APHA 23 rd Ed., 3112 B : 2017	mg/l	<0.001
14.	Copper	APHA 23 rd Ed., 3111 B : 2017	mg/l	<0.04
15.	Dissolve Phosphate	APHA 23 rd Ed., 4500-P D/F : 2017	mg/l	0.60
16.	Zinc	APHA 23 rd Ed., 3111 B : 2017	mg/l	0.20
17.	Total Chromium	APHA 23 rd Ed., 3111 B : 2017	mg/l	<0.02

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

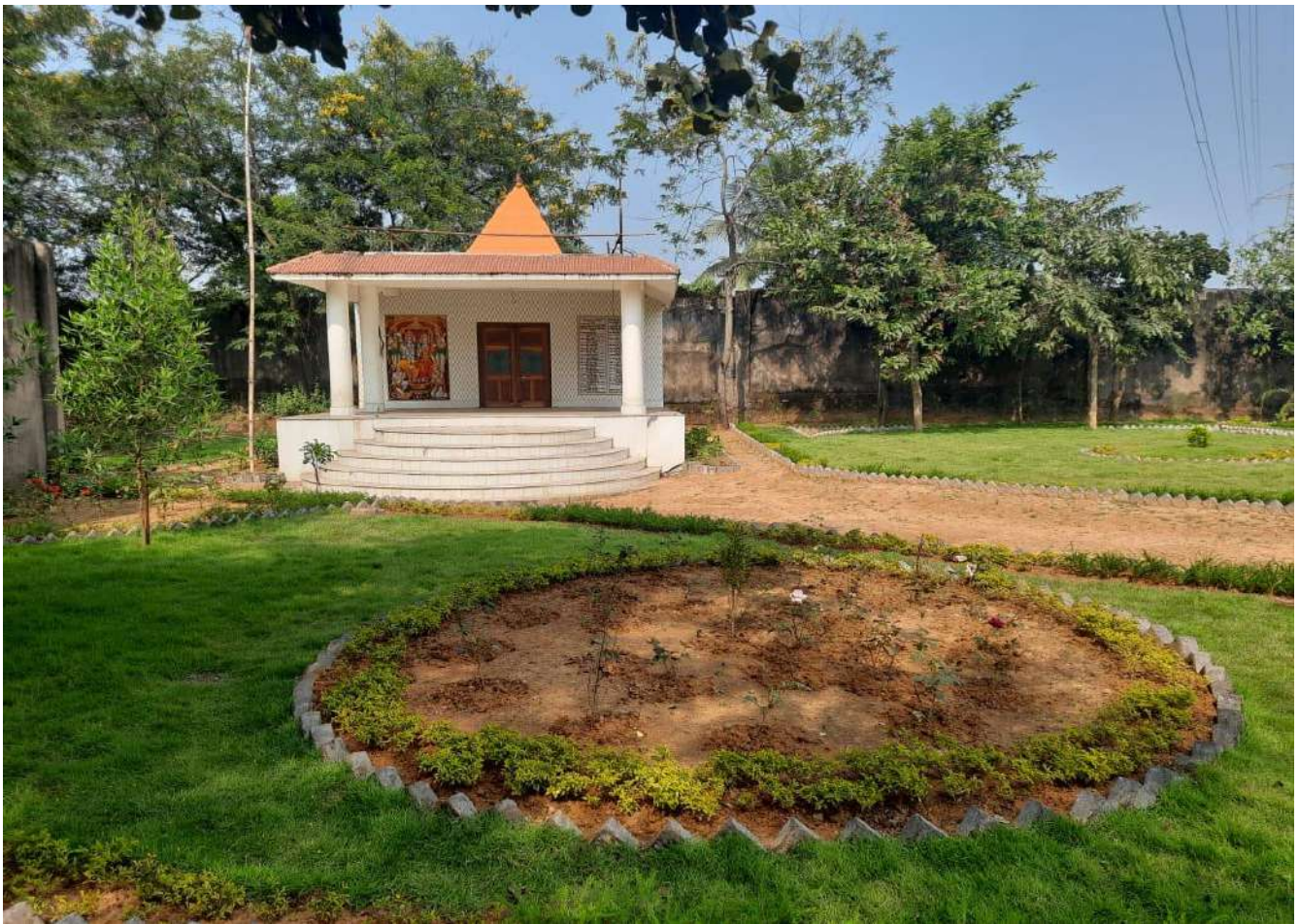
Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager

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

Annexure - 8

PLANTATION WITH INDEGINOUS SPECIES













Annexure - 9

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 : 1534 - WPPA/Regd (Bmn)/com-(591)/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 Eloquent 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. - Nakrajaria
P.O. & P.S. - Soranpur, Dist - Paschim Bardhaman

(Detailed address of the manufacturing unit)

for a period from up 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.)

28/06/18

(2)

ANNEXURE

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as m/s. Hiron Concast Ltd)
its unit at Vill. - Nokrajonia
P.O. + P.S. - Salanpur, 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		

- The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
- Daily discharge of industrial liquid effluent shall not exceed KL.
- Daily discharge of domestic liquid effluent shall not exceed 4.0 KL.
- Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
- The Applicant shall discharge liquid effluent to Soak pit (place of discharge)
through 01 nos. outlets / outfalls.
- 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.
- 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 ⁽⁴⁾ M/s Eloquent Steel Pvt. Ltd (Formerly known as M/s
Hiron Concast. Ltd.) Vill. - Nakrajoria
for its unit at P.S. + 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/charge)		—	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									

(5)

Consent to M/s. Eloquent Steel Pvt. Ltd. (Formerly known as M/s. Hira
Concast Ltd.) Vill. - Nakrajoria

for its unit at P.O. + P.S. - Salanpur, 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	—	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_{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.)
 for its unit at Vill. - Nakrajaria
P.O. + P.S. - Salanpur, 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 alternation/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.



WEST BENGAL POLLUTION CONTROL BOARD

Asansol Regional Office
ADDA Commercial Market, 2nd Floor,
Opp. Asansol Fire Station, G. T. Road,
Asansol, Paschim Bardhaman - 713 301
☎ : 091 (0341) 2305407/8,
🌐 : www.wbpcb.gov.in

Memo No. 389 - WPBA/Red (Bwn)/Cont (591)/08.

Date: 26/08/2020.

To
M/s. Eloquent Steel Private Limited
(Formerly M/s. Impex Steel Ltd & M/s. Hira Concast Ltd.)
VIII - Nakrajoria, P.O. & P.S. Salanpur, Dist - Paschim Bardhaman,
Pin - 713357

Sub: Amendment of 'Consent to Operate' Regarding

Reference:

- Your application for amendment of 'Consent to Operate' dated 08.06.2020.
- Letter issued by the State Board for "No Increase In Pollution Load" Vide Memo No. 124-2N-29/2019(E) PT dated 05.03.2020.
- 'Consent to Operate' issued vide Memo No. 1534-WPBA/Red (Bwn)/Cont(591)/08 dated 28.06.2018 (CO110122).
- 'Consent to Operate' issued vide Memo No. 1530-WPBA/Red (Bwn)/Cont(581)/07 dated 28.06.2018 (CO110124).

Sir,

With reference to as stated above, 'Consent to Operate' for manufacturing Ferro Silicon, High Carbon Ferro Chrome and Ferro Silico Chrome along with Ferro Manganese and Silico Manganese in your existing 04(Four) nos. Sub Merged Electric Arc Furnaces of capacity 3 x 7.5 MVA and 1 x 5.5 MVA are hereby amended, subjected to the conditions as mentioned below:

- Combined capacity of manufacturing Ferro Silicon, High Carbon Ferro Chrome and Ferro Silico Chrome along with Ferro Manganese and Silico Manganese must be within sanctioned capacity i.e. 4921 Ton/month. The major product and permissible production capacity is given below:

Sl No.	Name of major Product	Production capacity as per CTO Nos. CO110122 & CO110124	Production capacity amended as
1	Ferro Manganese	4921 Ton / month OR	4921 Ton / month OR
2	Silico Manganese	3603 Ton / month OR	3603 Ton / month OR
3	Ferro Silicon	Nil	1890 Ton / month OR
4	High Carbon Ferro Chrome	Nil	4921 Ton / month OR
5	Ferro Silico Chrome	Nil	2790 Ton / month
6	M.S.Ingot	8834 Ton/month	8834 Ton/month

- No additional machinery including Chrome Recovery Plant to be installed without prior permission from State Board.
- Chrome ore must be stored in a secured place.
- Precautionary measures should be taken to avoid contamination of water and other environmental hazards from Chromium.
- Chrome Slag must be stored in a secured place and processed in a Chrome Recovery Plant. After chrome recovery from Ferro Chrome Slag, slag dust must be utilized for brick manufacturing (as proposed).

All other conditions mentioned in the 'Consent to Operate' will remain unchanged.

This letter may be considered as an annexure to 'Consent to Operate' issued vide Memo No. 1534-WPBA/Red (Bwn)/Cont(591)/08 dated 28.06.2018 (CO110122) & vide Memo No. 1530-WPBA/Red (Bwn)/Cont(581)/07 dated 28.06.2018 (CO110124).

[Signature]
Senior Environmental Engineer
Asansol Regional Office.

26.08.2020

Annexure – 10A



ENVIROCHECK

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



NOISE MONITORING REPORT

Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)
Vill. – Nakrajoria, P.O + P.S – Salanpur, District – Paschim Burdwan

MONITORED BY :

ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : 357/EC/M/N/I/21-22

Sampling Locations :	Near Administrative Building	Date of Study :	22/03/2022
Category :	Ferro Alloy and SMS Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	64.5	69.6	67.98	65.25
7:00 AM to 8:00 AM	60.2	64.8	63.89	
8:00 AM to 9:00 AM	65.6	68.4	66.91	
9:00 AM to 10:00 AM	63.1	68.2	66.15	
10:00 AM to 11:00 AM	60.2	66.6	63.67	
11:00 AM to 12:00 PM	60.4	63.7	62.78	
12:00 PM to 1:00 PM	62.3	64.5	63.90	
1:00 PM to 2:00 PM	63.4	66.1	64.89	
2:00 PM to 3:00 PM	65.9	69.2	67.12	
3:00 PM to 4:00 PM	67.2	72.5	70.10	
4:00 PM to 5:00 PM	60.2	68.5	66.81	
5:00 PM to 6:00 PM	59.9	62.7	63.15	
6:00 PM to 7:00 PM	58.4	62.5	60.92	
7:00 PM to 8:00 PM	57.2	61.6	59.93	
8:00 PM to 9:00 PM	56.4	61.2	59.43	
9:00 PM to 10:00 PM	55.9	60.4	58.71	

Date of Study :	22/03/2022 to 23/03/2022	Night time :	10 PM to 6 AM
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Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	54.2	57.6	56.22	57.45
11:00 PM to 12:00 AM	53.9	55.2	54.60	
12:00 AM to 1:00 AM	49.9	52.6	51.46	
1:00 AM to 2:00 AM	45.6	51.8	49.72	
2:00 AM to 3:00 AM	50.3	57.9	55.89	
3:00 AM to 4:00 AM	51.3	58.6	56.33	
4:00 AM to 5:00 AM	57.1	62.9	60.90	
5:00 AM to 6:00 AM	58.3	63.5	61.64	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 24/03/2022



Certified by : (Signature)
Dr. S. B. Chowdhury

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

NOISE MONITORING REPORT

**Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)
 Vill. – Nakrajoria, P.O + P.S – Salanpur, District – Paschim Burdwan**

MONITORED BY :
 ENVIROCHECK
 189, Rastraguru Avenue,
 Calcutta - 700 028

Report No : 357/EC/M/N/II/21-22

Sampling Locations :	Near Main Gate	Date of Study :	22/03/2022
Category :	Ferro Alloy and SMS Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	65.9	69.9	68.35	68.16
7:00 AM to 8:00 AM	66.7	70.2	68.79	
8:00 AM to 9:00 AM	66.2	71.8	69.14	
9:00 AM to 10:00 AM	67.9	75.3	73.02	
10:00 AM to 11:00 AM	66.1	73.8	71.47	
11:00 AM to 12:00 PM	65.9	72.8	70.60	
12:00 PM to 1:00 PM	64.7	72.1	69.82	
1:00 PM to 2:00 PM	64.9	68.6	65.96	
2:00 PM to 3:00 PM	63.9	70.8	65.15	
3:00 PM to 4:00 PM	60.2	65.6	63.50	
4:00 PM to 5:00 PM	64.1	67.9	65.78	
5:00 PM to 6:00 PM	60.7	68.1	66.89	
6:00 PM to 7:00 PM	60.7	65.7	64.15	
7:00 PM to 8:00 PM	61.6	67.2	65.78	
8:00 PM to 9:00 PM	60.2	62.8	61.50	
9:00 PM to 10:00 PM	59.9	61.4	60.71	

Date of Study :	22/03/2022 to 23/03/2022	Night time :	10 PM to 6 AM
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Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	56.2	59.9	59.58	56.93
11:00 PM to 12:00 AM	53.5	58.6	56.76	
12:00 AM to 1:00 AM	45.9	56.2	53.78	
1:00 AM to 2:00 AM	42.9	55.3	53.28	
2:00 AM to 3:00 AM	41.7	53.2	50.10	
3:00 AM to 4:00 AM	51.7	53.5	52.89	
4:00 AM to 5:00 AM	57.9	60.2	58.58	
5:00 AM to 6:00 AM	59.2	61.3	60.38	

L_{min} : Minimum Noise level

L_{max} : Maximum Noise level

L_{eq} : Equivalent sound energy

Compiled by : (Signature)
 Dr. Ajoy Paul

Envirocheck Seal
 Date : 24.03.2022



Certified by : (Signature)
 Dr. S. B. Chowdhury



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 MONITORING REPORT

Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)
Vill. – Nakrajoria, P.O + P.S – Salanpur, District – Paschim Burdwan

MONITORED BY :
ENVIROCHECK
189, Rastraguru Avenue,
Calcutta - 700 028

Report No : 357/EC/M/N/III/21-22

Sampling Locations :	Near DVC Meter Room (Back Side of the Plant)	Date of Study :	22/03/2022
Category :	Ferro Alloy and SMS Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	60.2	63.8	62.36	68.30
7:00 AM to 8:00 AM	63.8	67.9	66.32	
8:00 AM to 9:00 AM	62.9	69.4	67.27	
9:00 AM to 10:00 AM	63.7	66.2	65.98	
10:00 AM to 11:00 AM	65.9	69.7	67.78	
11:00 AM to 12:00 PM	66.1	70.2	67.16	
12:00 PM to 1:00 PM	67.5	71.6	69.50	
1:00 PM to 2:00 PM	68.6	70.1	68.61	
2:00 PM to 3:00 PM	60.6	64.6	63.45	
3:00 PM to 4:00 PM	67.9	75.3	73.02	
4:00 PM to 5:00 PM	66.1	73.8	71.47	
5:00 PM to 6:00 PM	65.9	72.8	70.60	
6:00 PM to 7:00 PM	64.7	72.1	69.82	
7:00 PM to 8:00 PM	64.9	68.6	65.96	
8:00 PM to 9:00 PM	62.5	65.4	64.19	
9:00 PM to 10:00 PM	60.1	62.8	61.66	

Date of Study :	22/03/2022 to 23/03/2022	Night time :	10 PM to 6 AM
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Time(hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	59.5	62.5	61.89	58.47
11:00 PM to 12:00 AM	58.3	61.4	60.10	
12:00 AM to 1:00 AM	53.2	58.4	55.90	
1:00 AM to 2:00 AM	49.9	54.6	51.89	
2:00 AM to 3:00 AM	48.7	53.2	50.10	
3:00 AM to 4:00 AM	52.9	57.9	55.31	
4:00 AM to 5:00 AM	57.3	60.2	58.14	
5:00 AM to 6:00 AM	60.6	63.7	61.50	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 24.03.2022



Certified by : (Signature)
Dr. S. B. Chowdhury

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

NOISE MONITORING REPORT
Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)
Vill. – Nakraoria, P.O + P.S – Salanpur, District – Paschim Burdwan

MONITORED BY :
 ENVIROCHECK
 189, Rastraguru Avenue,
 Calcutta - 700 028

Report No : 357/EC/M/N/IV/21-22

Sampling Locations :	Dandua Village (1.0 KM Distance from Plant)	Date of Study :	22/03/2022
Category :	Ferro Alloy and SMS Unit	Day time :	6 AM to 10 PM

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Day time L _{eq}
6:00 AM to 7:00 AM	48.6	51.3	50.16	52.09
7:00 AM to 8:00 AM	49.3	53.5	51.89	
8:00 AM to 9:00 AM	50.4	54.9	53.21	
9:00 AM to 10:00 AM	51.7	55.2	53.79	
10:00 AM to 11:00 AM	52.4	54.6	53.64	
11:00 AM to 12:00 PM	52.8	54.9	53.98	
12:00 PM to 1:00 PM	53.2	55.7	54.63	
1:00 PM to 2:00 PM	52.4	55.9	54.49	
2:00 PM to 3:00 PM	51.3	53.4	52.48	
3:00 PM to 4:00 PM	50.6	52.8	51.84	
4:00 PM to 5:00 PM	49.9	51.6	50.83	
5:00 PM to 6:00 PM	48.6	51.2	50.09	
6:00 PM to 7:00 PM	48.4	51.0	49.89	
7:00 PM to 8:00 PM	45.2	50.6	48.69	
8:00 PM to 9:00 PM	44.9	49.6	47.86	
9:00 PM to 10:00 PM	43.6	48.2	46.48	

Date of Study :	22/03/2022 to 23/03/2022	Night time :	10 PM to 6 AM
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Time (hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	43.9	52.5	50.05	44.45
11:00 PM to 12:00 AM	40.1	42.9	41.72	
12:00 AM to 1:00 AM	39.2	41.6	40.56	
1:00 AM to 2:00 AM	36.1	40.4	38.76	
2:00 AM to 3:00 AM	34.2	38.4	36.79	
3:00 AM to 4:00 AM	36.4	39.9	38.49	
4:00 AM to 5:00 AM	39.7	41.4	40.63	
5:00 AM to 6:00 AM	43.8	50.2	48.09	

L_{min} : Minimum Noise level

L_{eq} : Equivalent sound energy

Compiled by : (Signature)
 Dr. Ajoy Paul

Envirocheck Seal
 Date : 24.03.2022

Certified by : (Signature)
 Dr. S. B. Chowdhury



Annexure – 10B



ENVIROCHECK

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



FORMAT NO. : ENV/FM/58

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
3.	Type of Industry	:	Ferro Alloy and SMS Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	375/EC/M/N/1/21-22
8.	Date of Study	:	22/03/2022
9.	Reporting Date	:	31/03/2022
10.	Method No.	:	IS: 9989 - 1981
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by	:	Mr. Pappu Hazra

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)	70.4	72.9	71.83	East Side
02.	dB(A)	63.5	70.5	68.28	West Side
03.	dB(A)	70.2	73.8	72.36	North Side
04.	dB(A)	65.6	72.9	70.63	South Side
Average dB(A) Leq				70.77	

Reviewed By:

Approved By:


Dy. Quality Manager


Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/58

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	:	Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
3.	Type of Industry	:	Ferro Alloy and SMS Unit
4.	Sampling Plan & Procedure	:	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	375/EC/M/N/II/21-22
8.	Date of Study	:	22/03/2022
9.	Reporting Date	:	31/03/2022
10.	Method No.	:	IS: 9989 - 1981
11.	Time of Duration of Noise	:	20 Minutes
12.	Height from Ground Level	:	4 feet
13.	Sample Monitoring by	:	Mr. Pappu Hazra

RESULT OF NOISE LEVEL STUDY

Time : 10:30 - 10:50 A.M

DAY TIME

2. Location : Near Ferro Alloys Plant - Ferro Division

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	73.5	81.4	79.04	East Side
02.	dB(A)	74.9	80.2	78.31	West Side
03.	dB(A)	71.6	75.9	74.26	North Side
04.	dB(A)	70.2	76.5	74.40	South Side
Average dB(A) Leq				76.50	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



FORMAT NO. : ENV/FM/58

TEST REPORT

1.	Name of the Industry / Project	: Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)
2.	Address	: Vill. - Nakrajoria, P.O + P.S - Salanpur, District - Paschim Burdwan
3.	Type of Industry	: Ferro Alloy and SMS Unit
4.	Sampling Plan & Procedure	: ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	: No
6.	Type of Sample	: Work Zone Noise
7.	Sample ID	: 375/EC/M/N/III/21-22
8.	Date of Study	: 22/03/2022
9.	Reporting Date	: 31/03/2022
10.	Method No.	: IS: 9989 - 1981
11.	Time of Duration of Noise	: 20 Minutes
12.	Height from Ground Level	: 4 feet
13.	Sample Monitoring by	Mr. Pappu Hazra

RESULT OF NOISE LEVEL STUDY

Time : 11:00 - 11:20A.M

DAY TIME

3. Location : Induction Furnace Area - SMS Division

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	71.5	74.6	73.32	East Side
02.	dB(A)	70.8	73.2	72.16	West Side
03.	dB(A)	70.3	75.8	73.87	North Side
04.	dB(A)	73.9	76.2	75.20	South Side
Average dB(A) Leq				73.63	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

Annexure – 11A


ELOQUENT STEEL PRIVATE LIMITED

(Formerly M/s Hira Concast Ltd. & M/s Impex Steel Ltd.)
NAKRAJORA, P.O. & P.S. SALANPUR, DIST. WEST BURDWAN, WEST BENGAL, PIN-713357

Health checkup details of Employees

PARAMETERS													Remarks						
Sl. No.	Name of the Employees	Father's name	Designation	AGE	Weight	PR	BP	CBG	CDC (NORMAL / AB-NORMAL)	Blood Group	RH factor	ECG	X-RAY	Audiometry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Dental	Pulmonary Function Test
1	SAJAJU TIWARI	SURYA DEO TIWARI	GENERAL MANAGER	62	70.00	95	120/80	110	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
2	MACHAN BHANDARI	RATAN BHANDARI	ELECTRICIAN	41	60.00	98	130/80	122	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
3	MAHABENDRA NAYAK	DILIP NAYAK	HELPER	32	76.00	97	140/90	115	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
4	RANJAN KR BEHRA	LATE HADIBANDHU BEHERA	PLUMBER	54	63.00	67	150/80	116	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
5	MAHARAJAN SWAIN	KHAGESWAR SWAIN	SUPERVISOR-RAW MATERIAL	43	58.00	90	130/90	118	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
6	JAYKUMAR SINGH	LORIK SINGH	WELDER	40	70.00	94	130/70	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
7	LAKSHMI KANTA MONDAL	NISHITH MONDAL	WELDER	45	76.00	130	130/90	130	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
8	T N PATRA	MD MOIN	GENERAL MANAGER	30	77.00	105	140/90	135	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
9	MD NAUSHAD	BADAL PAUL	FITTER	38	60.00	85	120/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
10	KANCHAN PAUL	JOJENDRA	FOREMAN	56	75.00	86	130/70	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
11	RAJESH	BISHNU BHADUR	ASSISTANT MANAGER	51	53.00	113	140/90	125	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
12	4FEF BHADUR	BHIM MONDAL	HELPER	39	60.00	71	110/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
13	ABHISHEK MONDAL	MD RAJESH KHAN	WELDER	23	63.00	78	120/80	115	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
14	MD KHURSID	BHOLA SONKAR	FITTER	38	66.00	89	140/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
15	PRENATH SARKAR	WASID ANSARI	WELDER	40	69.00	79	140/80	130	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
16	IMTAZ ANSARI	SURIN MALICK	WELDER	46	55.00	83	106/60	130	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
17	PARITHIVAN MALIK	NARAYAN PAUL	SENIOR OFFICER	30	56.00	88	140/80	135	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
18	ARUN PAUL	MANIK GHOSH	METAL YARD SUPERVISOR	27	89.00	123	130/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
19	UTTAM GHOSH	PRASHANTA CHOWDHURY	METAL YARD SUPERVISOR	44	66.00	103	140/90	120	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
20	ANANTA CHOWDHURY	LUJAL NATH	METAL YARD SUPERVISOR	46	69.00	96	110/70	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
21	TAPAS NATH	SHANTIPADA SARDHU	WELDER	34	65.00	98	120/60	115	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
22	PARITOSH SARDHU	LT JOCESH CHANDRA ROY	FITTER	29	61.00	83	130/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
23	SUJIT ROY	KAUSHAL KISHOR SINGH	MS ASSISTANT	37	65.00	75	110/70	110	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
24	AKASH KR SINGH	NATWAR LAL SHARMA	TRAINEE	35	71.00	97	120/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
25	VISHAL KR SHARMA	TARUN MONDAL	EXECUTIVE	28	61.00	87	120/80	120	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
26	BIPADHARAN MONDAL	UMESH CHANDRA SINGH	ASSISTANT	28	52.00	85	120/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
27	SAJAJU KR SINGH	LAKSHI KANTA MAONDAL	SENIOR EXECUTIVE	25	73.00	116	140/90	120	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
28	RABINDRANATH MONDAL	MAHADEV THAKUR	EXECUTIVE	47	67.00	78	130/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
29	MANU THAKUR	RAJ BALI SONKAR	FITTER	38	56.00	58	120/80	110	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
30	BHODU SHARER	LATE BASUDEB MUMHERJEE	MRP INCHARGE	33	65.00	79	160/80	130	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
31	FALGUNI MUMHERJEE	ASOK GHOSH	SHIFT INCHARGE	45	70.00	86	130/80	135	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
32	KUSHIK GHOSH	MD IBRAH	MECHANIC	42	74.00	76	120/80	140	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
33	MD ASLAM KHAN	SWAPAN KUMAR GHOSH	CONTROL ROOM OPERATOR	29	86.00	96	120/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
34	SATYAJIT GHOSH	NEMALI PAUL	FLOORKLIFT OPERATOR	30	52.00	78	110/70	130	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
35	BABLU PAUL	UDAYA PRADHAN	TECHNICIAN	28	70.00	80	125/70	130	WNR	A	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
36	DILIP KR PRADHAN	SATYANARAYAN MOOI	CRAN OPERATOR	35	71.00	90	110/70	140	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
37	SATYANARAYAN MOOI	DHIRANRANATHI PAUL	CRAN OPERATOR	28	70.00	90	120/80	120	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
38	BRINDABAN PAUL	LATE MOHAN LAL SHARMA	CRAN OPERATOR	40	75.00	98	140/90	130	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
39	KALYAN SHARMA	RAJJI SHARMA	SUPERVISOR	57	84.00	55	140/90	140	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
40	BHJESH SHARMA		OFFICER	31	72.00	83	130/70	140	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD

Date: 12.03.2022 (Saturday)

Seal & Date of the Medical Organization

 Doctor's Signature
 Registration Number
 Seal & Date of the Medical Organization
 Signature of Doctor

ELOQUENT STEEL PRIVATE LIMITED
 (Formerly M/s Hira Concast Ltd. & M/s Impex Steel Ltd.)
 NAMRAJORIA, P.O. & P.S. SALANPUR, DIST. WEST BENGAL, PIN-713357
 Health checkup details of Employees

12-03-2022 (Saturday)

Name of the Employees	Father's name	Designation	AGE	Weight	PR	BP	CBC	CBC (NORMAL / AB-NORMAL)	Blood Group	RH Factor	ECC	X-RAY	Audiometry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Dental	Pulmonary Function Test	Remarks
KULDEEP ROY	MANMOHAN RAY	ASSISTANT MANAGER	38	69.00	89	130/70	125	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SK NURULAM	SK RAMLAN	DRIVER	32	58.00	98	110/70	139	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ANAND KR MAHATO	DHIRENDR MAHTO	FITTER	30	61.00	72	130/70	135	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
MANJUL MONDAL	PRAHLAD MONDAL	FITTER	30	66.00	109	120/80	149	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
JAMES MEHTA	JOSAI MEHTA	BUFFER OPERATOR	45	60.00	102	110/80	149	W/MR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
BINOD PATEL	SHIVKUMAR PATEL	TAPPER	35	71.00	85	140/80	135	W/MR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
PANKAJ KUMAR	BIJAY SINGH	CHEMIST	40	74.00	89	130/90	130	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
GOPAL YADAV	LT GAJO YADAV	EXECUTIVE	45	73.00	100	130/70	135	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ANUP KR MONDAL	BISHUPADIA MONDAL	HELPER	40	52.00	110	130/80	149	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ANIL HANSDA	SHAMBU HANSDA	ASSISTANT	28	53.00	80	120/80	130	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
HARENDRANATH MARANDI	NARESH MARANDI	DRIVER	29	65.00	67	120/70	135	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
PRANOD SHARMA	PARAS SHARMA	EXECUTIVE	42	51.00	96	130/70	140	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
PRANAVAR SINGH	LAL BABU SINGH	SENIOR MANAGER	44	73.00	89	130/80	145	W/MR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
R S SINGH	RAM NANDAN SINGH	GENERAL MANAGER	56	70.00	86	100/70	135	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
PARAMJIT SINGH	GURDIO SINGH	SENIOR MANAGER	41	76.00	66	160/90	135	W/MR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SAYAJ KR CHOWDHURY		DIRECTOR	55	72.00	112	107/70	130	W/MR		POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
AKASH KR RAJAK	AJAY RAJAK	CONTROL ROOM OPERATOR	25	61.00	84	100/60	135	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SANTOSH MONDAL	RAJKUMAR MONDAL	JOB OPERATOR	31	63.00	82	100/70	145	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
BRASH SAUDAI	SADHU BALMIKI	ELECTRICIAN	30	82.00	79	100/60	140	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SOURAV MONDAL	LANESH MONDAL	HELPER	27	54.00	99	140/90	130	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
MADHAV ROY	SITARAM ROY	PLUMBER	38	68.00	72	100/60	135	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
CHANCHAL KUNDU	UJJWAL KUMAR KUNDU	ASSISTANT MANAGER	36	70.00	81	120/70	130	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ABUJN KR HA	SHUBHITAL JHA	SUPERVISOR	49	67.00	85	130/70	140	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
PARTHA DAS	SARITOSH DAS	HELPER	38	70.00	106	110/80	155	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ABHJIT GHOSH		SENIOR MANAGER	48	72.00	114	120/60	150	W/MR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SHASTI DUTTA	GOLAK NATH DUTTA	SUPERVISOR	52	68.00	81	150/80	130	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
RANKAN BHOWMIK	CHITTARANJAN BHOWMIK	SAFETY OFFICER	29	70.00	95	120/60	125	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
MUNNA HELA	HOSENI HELA	SUPERVISOR-RAW MATERIAL	34	85.00	106	120/70	135	W/MR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
RAMNARAYAN KESHRI	JOKHAN PRASAD KESHRI	EXECUTIVE	34	56.00	81	110/70	130	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
FAHUL KR SINGH	ANURUPHA SINGH	ENGINEER	28	88.00	79	120/80	145	W/MR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
NISHIT LAYEK	RANJIT LAYEK	BATCH OPERATOR	32	70.00	90	120/60	140	W/MR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
ABHAY KR SRIVASTAY	BINOD PRASAD SRIVASTAVA	MANAGER	36	80.00	100	130/70	145	W/MR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
SUSANTA MONDAL	SWADHIN MONDAL	CHEMIST	35	75.00	95	120/80	120	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	



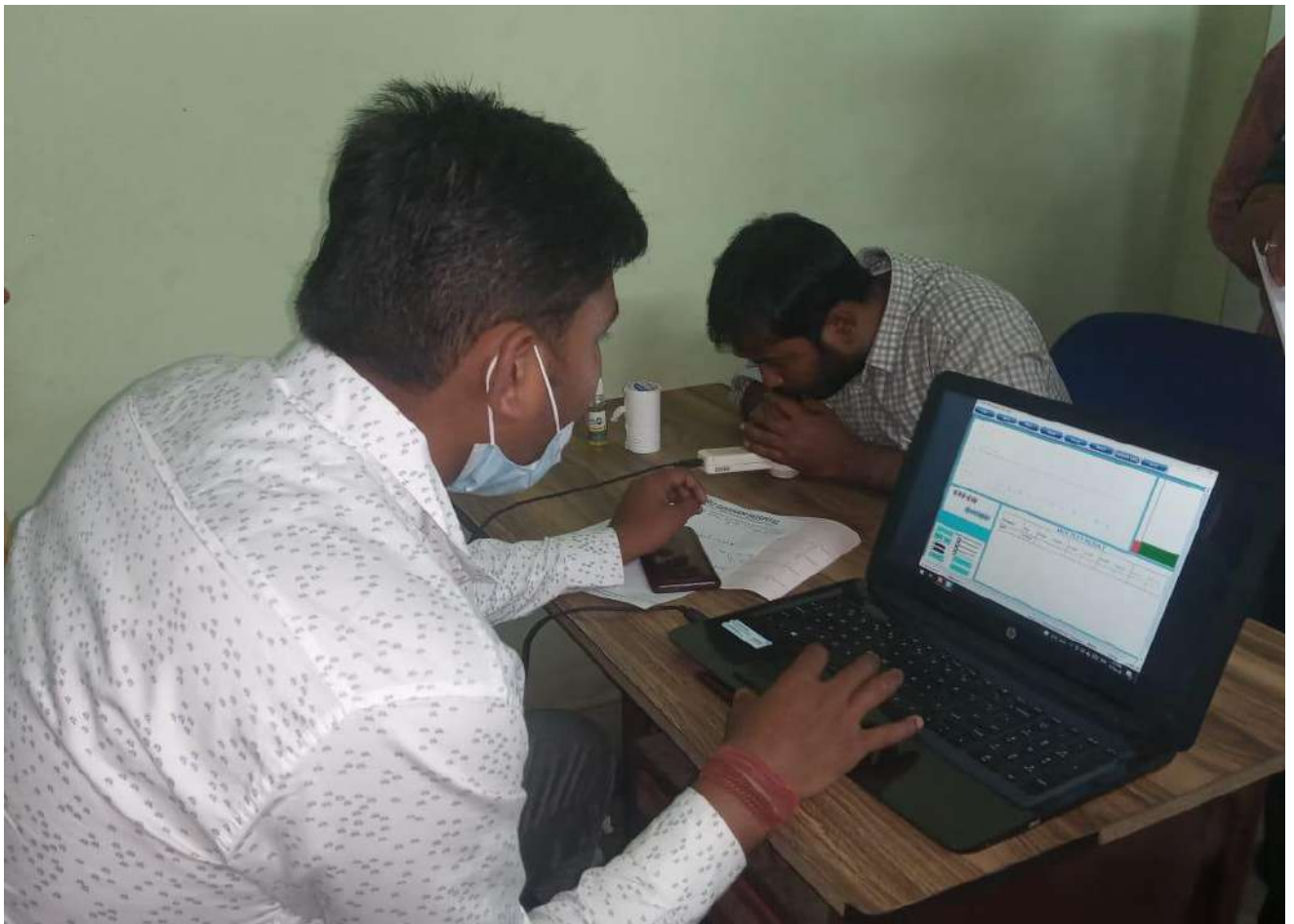
Doctor's Signature
 Registration Number
 Seal & Date of the Medical Organisation

Signature of Doctor

Annexure – 11B

PHOTOGRAPHS OF HEALTH CHECKUP CAMP









Annexure – 12



FORM 11

[See rule 58(2)]

Name Of District : **PASCHIM BARDHAMAN**

Name Of Block : **SALANPUR**

Name Of Gram Panchayat : **DENDUA**

Trade Registration No:- **44**

Trade Registration Date:-**31-Jul-2019**

Trade Registration Certificate issue No:- **1**

Issue Date:-**09-Apr-2021**

Trade Registration Certificate issued for the period of: **2021-2022**

To **DEEPAK KUMAR AGARWAL**

(Name of Prop/partner/Director)

Full Address :

VILLAGE - **NAKRAJORIA**

PARA - **NAKRAJORIA**

POLICE STATION - **SALANPUR**

POST OFFICE - **SALANPUR**

PIN NO -

Gram Sansad/ Part No. **SIX SEVEN**

Description of Trade : **IRON AND STEEL**

Gram panchayat acknowledges a sum of **Rs. 510** (Rupees Five Hundred and Ten Only)

From **M/S ELOQUENT STEEL PRIVATE LIMITED**

(Name of Trade)

Vide Receipt No : **FORM-V 555**

Dated : **09-Apr-2021**

Grant of this certificate shall not absolve the applicant from the requirement of procuring all the statutory clearances to be obtained from the appropriate authority before actual commencement of the trade. If any violation/default is noted later is, the certificate shall be liable to be cancelled and the trade/business shall be closed down with immediate effect.

SECRETARY

DENDUA GRAM PANCHAYAT
Executive Assistant/Secretary

[Signature]

PRODHAN
Dendua Gram Panchayat

Annexure – 13



ENVIROCHECK

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



TCLP 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/1131C/S/M/21-22
4. Date of sampling : 21.03.2022
5. Reporting Date : 28.03.2022
6. Type of sample : Slag
7. Location : Ferro Slag

Sl. No.	PARAMETERS	METHOD	UNIT	RESULTS
1.	Iron (Fe)	EPA 1311 : 1992 EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	6.10
2.	Zinc (Zn)	EPA 1311 : 1992 APHA 23 rd Ed., 3111 B : 2017	mg./l	6.80
3.	Copper (Cu)	EPA 1311 : 1992 EPA 3050 B, 1996/EPA 200.6 : 1998	mg./l	3.10
4.	Nickel (Ni)	EPA 1311 : 1992 APHA 23 rd Ed., 3111 B : 2017	mg./l	2.65
5.	Lead (Pb)	EPA 1311 : 1992 EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	1.35
6.	Cadmium (Cd)	EPA 1311 : 1992 EPA 3050 B, 1996/IS 3050 (Part 46)	mg./l	<0.002

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. SUMIT CHOWDHURY
Technical Manager