

Ref: - ESPL/SMC/APRIL-2022 TO SEPT-2022

Date: 21.12.2022

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 (April-2022 to Sept-2022) Compliance to Environmental Clearance of M/s Eloquent Steel Pvt. Ltd. (formerly Hira Concast Limited & Impex Steel Limited), Vill-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Bardhaman-713357, (WB)

EC Reference:

F. No. J-11011/49/2010-IA-II(I) Date: 03.09.2012, F. No. J-11011/533/2008-IA-II(I) Date: 11.12.2008	Hira Concast Limited
F. No. J-11011/183/2008-IA-II(I) Date: 28.07.2008	Impex Steel Limited
EC Transfer Letter No. J-11011/49/2010-IA-II(I) & J-11011/188/2011-IA-II(I)	Dated: 15.10.2020

Dear Ma'am,

With reference to the above, we are submitting herewith the six-monthly compliance report (Period April-2022 to Sept-2022) for M/s Eloquent Steel Pvt. Ltd. (Formerly Hira Concast Limited & Impex Steel 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 consideration.

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.

With regards.

Yours Faithfully,

For Eloquent Steel Pvt. Ltd.

(Formerly Hira Concast Ltd.& Impex Steel 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)



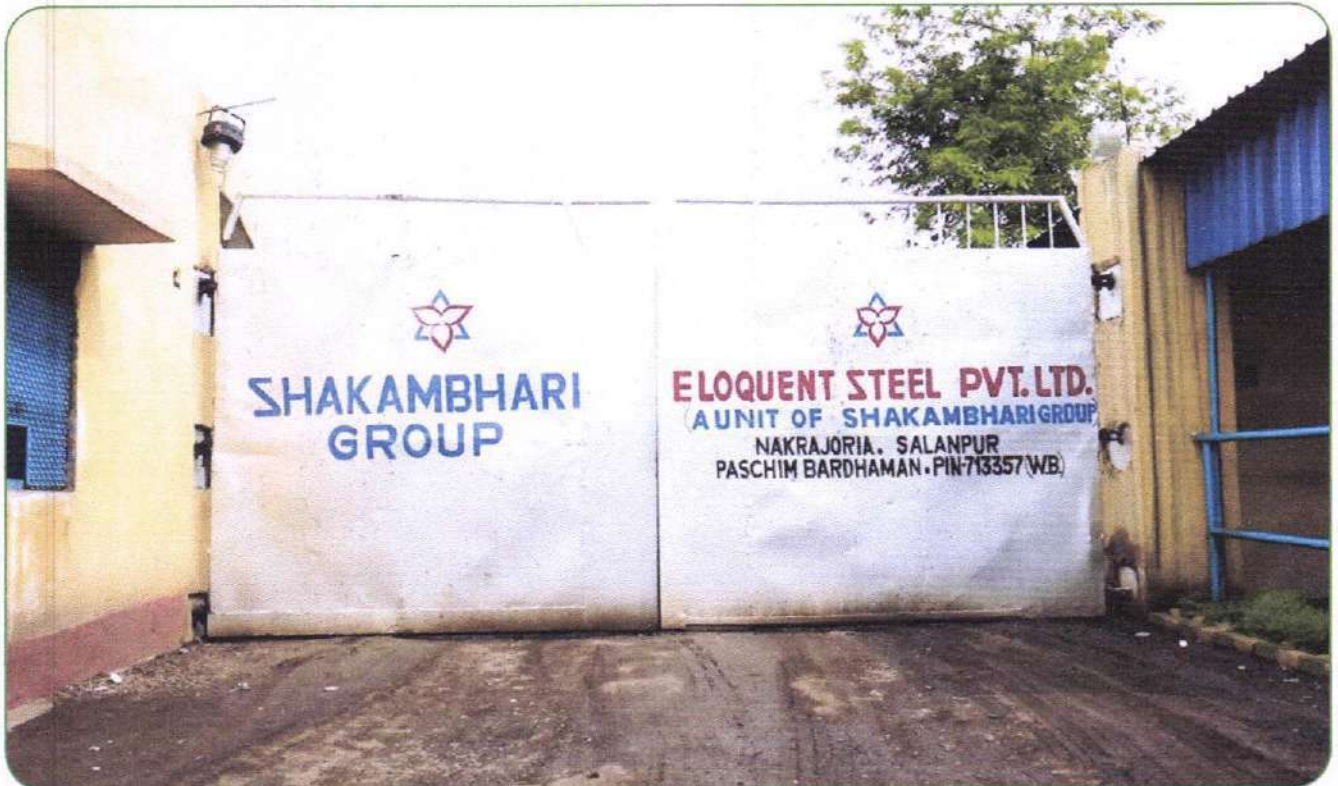
ELOQUENT STEEL PRIVATE LIMITED

(Formerly Hira Concast Limited & Impex Steel Limited)

SIX MONTHLY COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE

F. No. J-11011/49/2010-IA-II(I) Date: 03.09.2012, F. No. J-11011/533/2008-IA-II(I) Date: 11.12.2008	Hira Concast Limited
F. No. J-11011/183/2008-IA-II(I) Date: 28.07.2008	Impex Steel Limited
EC Transfer Letter No. J-11011/49/2010-IA-II(I) & J-11011/188/2011-IA-II(I)	Dated: 15.10.2020

COMPLIANCE PERIOD: APRIL-2022 TO SEPTEMBER-2022



PROJECT LOCATION:

Village-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Bardhaman (WB)-713357



SIX MONTHLY EC COMPLIANCE REPORT

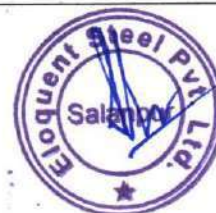
Name & Address of the Project	:	M/S ELOQUENT STEEL PVT. LIMITED (Formerly Hira Concast Limited) Village-Nakrajoria, PO & PS-Salanpur, Dist.-Paschim Bardhaman (WB)
Environmental Clearance Letter Ref. F. No	:	J-11011/49/2010-IA-II(I) Date: 03.09.2012, J-11011/533/2008-IA-II(I)Date: 11.12.2008
EC Transfer Letter F. No.	:	J-11011/49/2010-IA-II(I) Dated 15.10.2020
Period of Compliance Report	:	April-2022 to Sept- 2022

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

SL.	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. 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-1
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-2
4.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored.	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



SL.	CONDITIONS	COMPLIANCE STATUS
	Guidelines / Code of Practice issued by the CPCB shall be followed.	during process operation. Water sprinkling being done to control fugitive emissions on roads. Last work zone monitoring report is enclosed as Annexure-3
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, ground water and surface water quality is being done. No industrial effluent being discharged outside the plant premises. Last monitoring report is enclosed as Annexure- 4 & Annexure- 5A & 5B.
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	Risk and Disaster Management Plan along with mitigation measures has been prepared and submitted to Ministry's Regional Office.



SL.	CONDITIONS	COMPLIANCE STATUS
	submitted to Ministry's Regional Office at Bhubaneswar.	
11.	All the commitments made to the public during the public Hearing/Public Consultation meeting held on 17th November, 2011 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	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 of Hon'ble High Court Calcutta and we don't have the Public Hearing details that's why specific compliance for said period 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. 7500 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-6
13.	At least 5% of the total cost of the project should be earmarked towards the Enterprises Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	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.



SL.	CONDITIONS	COMPLIANCE STATUS
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-7 .
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 shall be undertaken without prior approval of the MoEF&CC.
3.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM, SO ₂ and NO _x are anticipated in consultation 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-2 and Annexure-1 .
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-4 .
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 8A and 8B .
6.	Occupational health surveillance of the workers shall be done on a regular	Occupational health surveillance for the employees being carried and records are maintained. Health check-up report and some



SL.	CONDITIONS	COMPLIANCE STATUS
	basis and records maintained as per the Factories Act.	photographs of health check-up are attached as Annexure-9A & 9B.
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 socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	<p>EC was granted on 3rdSeptember, 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 having with us.</p> <p>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.</p> <p>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 & 8A & 8B.</p> <p>With normalization of covid-19 situation, Company has started its contribution to community development program in the surrounding villages like distribution of study materials to school children, clothing, blanket etc.</p>
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	<p>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. 4.0 Lakhs during this compliance period.</p> <p>Suitably skilled manpower has been provided for an efficient operation, monitoring and</p>



SL.	CONDITIONS	COMPLIANCE STATUS
	provided shall not be diverted for any other purpose.	maintenance of the pollution control devices installed.
10.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site company by the proponent.	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- 10 .
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 Environmental data display board has been placed near main gate of the company. Annexure-11 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	Being complied. The environment statement for Financial Year 2021-2022 has been submitted to WBPCB with copy to Integrated Regional Office of the MOEF&CC (Annexure-12) and the report has been uploaded on the company's website as per direction.



SL.	CONDITIONS	COMPLIANCE STATUS
	with the status of compliance of environment conditions and shall also be sent the respective Regional Offices of the MOEF by e-mail.	
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

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

SL.	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	Continuous Emission Monitoring System has been installed. Air pollution control devices viz. dust extraction systems with bag filters have been installed and efficiently operated to



SL.	CONDITIONS	COMPLIANCE STATUS
	<p>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.</p>	<p>control emission level well within the norms.</p> <p>Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels.</p> <p>Latest stack monitoring report in enclosed as Annexure-1</p>
2.	<p>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.</p>	<p>It is being complied.</p> <p>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.</p>
3.	<p>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 shall be submitted to Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB.</p>	<p>Secondary fugitive emissions being controlled with dust extraction system and dust suppression with adequate water sprinkling.</p> <p>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.</p> <p>Last work zone monitoring report is enclosed as Annexure-3.</p>
4.	<p>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</p>	<p>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.</p>



SL.	CONDITIONS	COMPLIANCE STATUS
	prevent the dust emanation due to vehicular movement.	
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.	<p>All possible attempts are taken to ensure optimal use of water within the factory premises.</p> <p>Softener backwash water being neutralized in neutralization tank and used for slag cooling and dust suppression</p> <p>For the treatment of domestic waste water septic tank followed by soak pit facility have been provided.</p> <p>Recycle and Reuse practices has been adapted by us to ensure 'Zero' effluent discharge and no effluent being discharged outside factory premises.</p>
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 its requirement of water.
7.	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 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>Proper handling and storage and handling of solid waste being done.</p> <p>Ferro Manganese (Fe-Mn) Slag being used for the manufacturing of Silico Manganese (Si-Mn), and</p> <p>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 Form-10 Attached as Annexure-13</p>
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</p> <p>Silico Manganese slag being used for land filling and road construction TCLP test being done time to time.</p> <p>Last TCLP test report is attached as Annexure-14</p>



SL.	CONDITIONS	COMPLIANCE STATUS
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 6.
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.
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-7.



SL.	CONDITIONS	COMPLIANCE STATUS
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 WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	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-2 and Annexure-8A .
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-8A & 8B .
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-9A & 9B .



SL.	CONDITIONS	COMPLIANCE STATUS
7.	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	<p>EC was granted on 11th 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.</p> <p>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.</p> <p>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-1, 2, 3, 8A & 8B.</p> <p>With normalization of covid-19 situation, Company has initiated its contribution to community development program in the surrounding villages like study materials to school children, clothing, blanket etc.</p>
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	<p>Complied.</p> <p>We have rain water harvesting pond and water from this pond is being reused in order to keep the water requirement low.</p>
9.	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act	Housekeeping and 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.



SL.	CONDITIONS	COMPLIANCE STATUS
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.
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 compiled 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 compiled 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	Noted and it shall be complied as per directions.



SL.	CONDITIONS	COMPLIANCE STATUS
	shall be monitored by the Regional Office of this Ministry located at Bhubaneswar.	
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
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.



SIX MONTHLY EC COMPLIANCE REPORT

Name & Address of the Project	: M/S ELOQUENT STEEL PVT. LTD. (Formerly Impex Steel Limited) Village-Nakrajoria, PO & PS-Salanpur, Dist. -Paschim Burdwan (WB)
Environmental Clearance Letter No	: J-11011/183/2008-IA-II Dated 28 th July 2008
EC Transfer Letter F. No.	: J-11011/188/2011-IA-II (I) Dated 15.10.2020
Period of Compliance Report	: April-2022 to September-2022

Sl.	Condition	Compliance
SPECIFIC CONDITIONS:		
1.	<p>Project authorities shall provide monitoring facilities for all the stacks. Air pollution control equipment such as bag filters shall be installed to keep emissions levels below 100mg/Nm³ and reports submitted to ministry's Regional Office at Bhubaneswar, WBPCB and CPCB. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.</p> <p>Monitoring facilities for the stacks have been provided.</p>	<p>Monitoring facilities for the stacks have been provided.</p> <p>Continuous Emission Monitoring System has been installed.</p> <p>Air pollution control devices viz. bag filters along with dust extraction system have been installed and efficiently operated to control emission level well within the stipulated norms.</p> <p>Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the emission levels.</p> <p>Latest stack monitoring report in enclosed as Annexure-15.</p>
2	<p>Secondary fugitive emissions from furnace shall be controlled within the latest permissible limits issued by the Ministry. Guidelines / Code of Practice issued by the CPCB shall be followed.</p>	<p>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. Water sprinkling being done to control fugitive emissions on roads.</p> <p>Last (Fugitive Emission) monitoring report is enclosed as Annexure-16.</p>
3.	<p>All the treated waste water shall be recycled and reused and 'Zero' effluent discharge shall be ensured.</p>	<p>All possible attempts are taken to ensure optimal use of water within the factory premises. Recycle and Reuse practice has been adapted by us to ensure Zero' effluent</p>



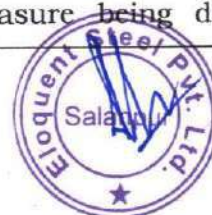
		discharge and no effluent being discharged outside factory premises Last effluent monitoring report is enclosed as Annexure-17 .
4.	Permission for drawl of ground water shall be obtained from the Central Ground Water Authority or State Ground Water Board and copy submitted to the Ministry's Regional Office at Bhubaneswar.	The company has made agreement with Damodar Valley Corporation (DVC) to fulfil its water requirements.
5.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have a rain water harvesting pond and water from this pond is being used in order to keep the water requirement low.
6.	The company shall regularly conduct Toxicity Characteristics Leaching Procedure (TCLP) test for the slag before its disposal and reports shall be submitted to Ministry's Regional Office at Bhubaneswar, CPCB and WBPCB along with the details of mode of disposal.	It is being compiled. Last TCLP test report of Slag is attached as Annexure-18 & No effluent being discharged outside the plant premises.
7.	The hazardous slag generated from the furnace shall be disposed of in accordance with the Hazardous Waste (Management and Handling) Rules, 2003.	At present Ferro-manganese and Silico-manganese is being produced from SAF. 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. Used oil is sold to authorized recycler Form-10 attached as Annexure-13
8.	The company shall submit a complete solid waste management plan for disposal of various solid and hazardous waste generated from the plant to the Ministry's Regional Office at Bhubaneswar within 3 months.	EC was granted on 28 th July, 2008 and M/s Impex Steel Ltd. a closed unit was purchased by M/s Eloquent Steel Pvt. Ltd. (ESPL) and was taken over through auction from Stressed Assets Management Branch State Bank of India, Kolkata and possession was taken over on 22 nd December 2017. It is believed that the Solid Waste Management Plan might have been submitted by the then proponent. For the disposal solid waste company has made agreement with its safe disposal hazardous waste like used oil being sold to



		authorized vendor. Agreement copy attached as Annexure-19
9.	Green belt shall be developed in 7805.78 m ² with adequate width and density to mitigate the effects of fugitive emissions in and around the plant as per the CPCB guideline in 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-6 .
10.	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 conducted on regular basis. Occupational health surveillance report is attached as Annexure-9A &9B .
GENERAL CONDITIONS:		
1.	The project authorities must strictly adhere to the stipulation 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 are strictly being adhered by the company. Consent to Operate obtained from WBPCB is attached as Annexure-20 .
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted. No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment, Forest & Climate Change.
3.	At least four ambient air quality monitoring station shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	Ambient Air Quality Monitoring being carried on as per direction in consideration of maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x . Last Ambient Air Quality monitoring reports and stack monitoring reports are enclosed as Annexure-21 & Annexure-15 .



4.	<p>The overall noise levels in and around the plant are shall be kept well within the standard [(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) (daytime) and 70 dB (A) (nighttime).</p>	<p>It is being complied.</p> <p>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).</p> <p>Ambient Noise and Work Zone Noise Monitoring report is attached as Annexure-22A and Annexure-22B.</p>
5.	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommend in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surroundings villages like community development programmers, educational programmers, drinking water supply and health care etc.</p>	<p>EC was granted on 28thJuly, 2008 and M/S Impex Steel Ltd. a closed unit was purchased by M/S Eloquent Steel Pvt. Ltd. (ESPL) and the possession was taken over on 22nd December, 2017 through auction from Stressed Assets Management Branch State Bank of India, Kolkata. EIA/EMP report is not having with us.</p> <p>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.</p> <p>Third party monitoring by NABL accredited laboratory being conducted periodically to evaluate the Stack emission level, Work Zone Air quality, Ambient Air Quality, Ambient noise and work zone noise level. Reports are enclosed as Annexure-15, 16, 21, 22A & 22B.</p> <p>With normalization of covid-19 situation, Company has initiated its contribution to community development program in the surrounding villages like study materials, school bags to school children, along with clothing and blanket etc. distribution to the needy people.</p>
6.	<p>The fund earmarked towards the capital cost and recurring cost/ annum for environmental pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the</p>	<p>As M/s Impex Steel Ltd. was purchased by ESPL through auction that's why we don't have the details of capital cost incurred.</p> <p>Recurring cost for environmental protection measure being done as per</p>



	<p>State Government. The funds so provided shall not be diverted for any other purpose.</p>	<p>requirement with no limitation to proposed directions for recurring expenses. It was approx. Rs. 3.5 Lakhs during this compliance period.</p> <p>Suitably skilled manpower has been provided for an efficient operation, monitoring and maintenance of the pollution control devices installed.</p>
7.	<p>The Regional Office of this Ministry/CPCB/SPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.</p>	<p>Six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data being submitted to MoEF&CC and Pollution Control Board in the soft copies as per the direction of Hon'ble MoEF&CC F. No. 106-12/EPE dated 11.05.2020.</p>
8.	<p>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 SPCB/Committee 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 vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.</p>	<p>EC was granted on 28th July, 2008 and M/S Impex Steel Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) in December, 2017) and was taken over through auction from Stressed Assets Management Branch State Bank of India, Kolkata.</p> <p>Since EC was granted on 28th July 2008; therefore, it is believed that the same has been compiled by the then project proponent.</p>
9.	<p>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.</p>	<p>EC was granted on 28th July, 2008 and M/S Impex Steel Ltd. a closed unit was purchased by Eloquent Steel Pvt. Ltd. (ESPL) in December, 2017) and was taken over through auction from Stressed Assets Management Branch State Bank of India, Kolkata.</p> <p>Since EC was granted on 28th July 2008; therefore, it is believed that the same has been compiled by the then project proponent.</p>



Annexure-1



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	:	05.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Stack Emission
Sample ID No.	:	ENV/50/Sep./A/I	Report No.	:	ENV/50/Sep./TR(A)/1/22-23			

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)	93.4
2.	Barometric Pressure	mm of Hg.	--	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	8.97
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	52395.79
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	46.20
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	1.8
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	<1.0
8.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11(Vol. 3 11.07) : 2011	17.28

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

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Overseas : UAE ■ Qatar ■ Netherlands



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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	: 05.09.2022		
		Period of Analysis	: 12.09.2022 - 12.09.2022		
		Date of Issue	: 14.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/50/Sep./A/II	Report No.	: ENV/50/Sep./TR(A)/II/22-23		

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)	: 83.0
2.	Barometric Pressure	mm of Hg.	--	: 755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.01
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 84661.11
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 37.43
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 2.0
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	: 18.95

Remarks :

Reviewed By :

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Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

Annexure-2



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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	:	05.09.2022 - 06.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/50/Sep./A/III	Report No.	:	ENV/50/Sep./TR(A)/III/22-23			

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 72.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

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	54.62
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.54
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	12.46
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	34.75
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 :

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Dy. Technical Manager, Chemical

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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	:	05.09.2022 - 06.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/50/Sep./A/IV	Report No.	:	ENV/50/Sep./TR(A)/IV/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Common Entrance of Hira Concast & Impex Steel Ltd.
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 79.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	51.70
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.56
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	16.47
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	32.75
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	0.29
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 :

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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	:	05.09.2022 - 06.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/50/Sep./A/V	Report No.	:	ENV/50/Sep./TR(A)/V/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Near D.V.C Meter Room (Back Side of the Plant)
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	52.60
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	81.21
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	9.24
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	29.16
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.18
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01

Remarks :

Reviewed By :

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Approved By :

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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	:	05.09.2022 - 06.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/50/Sep./A/VI	Report No.	:	ENV/50/Sep./TR(A)/VI/22-23			

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 26.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	48.53
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	79.19
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	7.83
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	26.44
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	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 :

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Approved By :

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Annexure-3



ENVIROCHECK

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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	:	05.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VII	Report No.	:	ENV/50/Sep./TR(A)/VII/22-23			

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) : 32.0
2. Average Relative Humidity (%) : 70.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m3	NIOSH 0500 : 2005	466.02

Remarks :

Reviewed By :

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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	:	05.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VII	Report No.	:	ENV/50/Sep./TR(A)/VII/22-23			

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) : 32.0
2. Average Relative Humidity (%) : 70.0
3. Barometric Pressure (mm of Hg) : 755.0
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	11.40
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	30.64

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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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	:	05.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VIII	Report No.	:	ENV/50/Sep./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Ferro Alloy Plant
2. Duration of Sampling : 08 hrs. (09:55 a.m. - 05:55 p.m.)

B] METEOROLOGICAL INFORMATION

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

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	472.0

Remarks :

Reviewed By :

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Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager



ENVIROCHECK

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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	:	05.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VIII	Report No.	:	ENV/50/Sep./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Ferro Alloy Plant
2. Duration of Sampling : 08 hrs. (09:55 a.m. - 05:55 p.m.)

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

SL. NO.	PARAMETERS	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	10.26
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	30.68

Remarks :

Reviewed By :

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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	:	05.09.2022			
	Period of Analysis		:	12.09.2022 - 12.09.2022				
	Date of Issue		:	14.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VIII	Report No.	:	ENV/50/Sep./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Induction Furnace Area (SMS)
2. Duration of Sampling : 08 hrs. (10:20 a.m. - 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 36.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	438.64

Remarks :

Reviewed By :

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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	:	05.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/50/Sep./A/VIII	Report No.	:	ENV/50/Sep./TR(A)/VIII/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inside the Induction Furnace Area (SMS)
2. Duration of Sampling : 08 hrs. (10:20 a.m. - 06:20 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 36.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
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	8.22
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	29.67

Remarks :

Reviewed By :

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Annexure-4



ENVIROCHECK

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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	: 05.09.2022		
		Period of Analysis	: 12.09.2022 - 16.09.2022		
		Date of Issue	: 17.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Domestic Effluent Water (Grab)
Location	: Recycling Water Storage Tank	Sample ID No.	: ENV/07/Sep./W	Report No.	: ENV/07/Sep./TR(W)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	4500H+B APHA 23 rd Edition, 2017	-	6.85
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	22.0
3.	Oil & Grease	5520 Oil B/D APHA 23 rd Edition, 2017	mg/l	3.0
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition, 2017	mg/l	68.6
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 BOD B APHA 23 rd Edition, 2017	mg/l	18.0

Reviewed By :

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Dy. Quality Manager

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Annexure-5A



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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as – Hira Concast Ltd.)	Type of Industry	:	Steel & Power Unit			
Address	:	Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. – Paschim Bardhaman	Sampling Date	:	05.09.2022			
	Period of Analysis		:	07.09.2022 – 14.09.2022				
	Date of Issue		:	16.09.2022				
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ground Water
Location	:	Nakrajoria Village	Sample ID No.	:	ENV/611A/Sep./W/M	Report No.	:	ENV/611A/Sep./TR(W)/M/22-23

PARAMETERS		METHOD	UNIT	RESULTS
1.	Colour	APHA 23 rd Ed., 3111 B : 2017	Hazen	1.0
2.	Odour	APHA 23 rd Ed., 2150 B : 2017	--	Odourless
3.	pH	APHA 23 rd Ed., 4500 – H+B : 2017	--	6.82
4.	Taste	APHA 23 rd Ed., 2160 B : 2017	--	Acceptable
5.	Turbidity	APHA 23 rd Ed., 2130 B : 2047	NTU	1.26
6.	Total Dissolved Solids	APHA 23 rd Ed., 2540 B : 2017	mg./l	720.0
7.	Calcium	APHA 23 rd Ed., 3500 Ca-B : 2017	mg./l	72.0
8.	Chloride	APHA 23 rd Ed., 4500 Cl-B/D : 2017	mg./l	62.50
9.	Iron	APHA 23 rd Ed., 3111 B : 2017	mg./l	48.20
10.	Magnesium	APHA 23 rd Ed., 3500 Mg-B : 2017	mg./l	0.80
11.	Nitrate	APHA 23 rd Ed., NO ₃ -E : 2017	mg./l	17.1
12.	Sulphate	APHA 23 rd Ed., 4500 SO ₄ -E : 2017	mg./l	3.80
13.	Total Alkalinity	APHA 23 rd Ed., 2320 B : 2017	mg./l	210.0
14.	Total Hardness	APHA 23 rd Ed., 2340 C : 2017	mg./l	142.80
15.	Arsenic	IS 3025 (Part 37) : 1988 : 2014	mg./l	<0.01
16.	Chromium	APHA 23 rd Ed., 3111 Cr-B : 2017	mg./l	<0.02
17.	Boron	APHA 23 rd Ed., 4500 B-C : 2017	mg./l	<0.1

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Hira Concast Ltd.)	Type of Industry	:	Steel & Power Unit			
Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	:	05.09.2022			
			Period of Analysis	:	07.09.2022 - 14.09.2022			
			Date of Issue	:	16.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ground Water
Location	:	Nakrajoria Village	Sample ID No.	:	ENV/611A/Sep./W /M	Report No.	:	ENV/611A/Sep./TR(W)/M/22-23

	<u>PARAMETERS</u>	<u>METHOD</u>	<u>UNIT</u>	<u>RESULTS</u>
1.	Total Coliform	9222 B, APHA 23 rd , 2017	CFU/100 ml.	<1.0
2.	E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0

Remarks : a) CFU indicates Colony Forming Unit.

b) <1.0 indicates "Absent" No Colony Developed i.e. No Coliform Found.

Reviewed By :

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

Annexure-5B



ENVIROCHECK

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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. – Paschim Bardhaman	Sampling Date	: 06.09.2022		
		Period of Analysis	: 07.09.2022 – 12.09.2022		
		Date of Issue	: 14.09.2022		
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/612A/W/M	Report No.	: ENV/612A/TR(W)/M/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH	APHA 23 rd Ed., 4500 H*B : 2017	-	7.12
2.	Total Suspended Solids	APHA 23 rd Ed., 2540 D : 2017	mg/l	18.0
3.	Total Dissolved Solids	IS 3025 (Part 16) : 1984 : 2014	mg/l	235.0
4.	Dissolved Oxygen	APHA 23 rd Ed., 4500 – OC : 2017	mg/l	7.2
5.	COD	APHA 23 rd Ed., 5220 B/C/D : 2017	mg/l	18.0
6.	BOD [3 Day's at 27°C]	APHA 23 rd Ed., 5210 B : 2017	mg/l	<2.0
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	10.2
10.	Iron	APHA 23 rd Ed., 3111 B : 2017	mg/l	0.28
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	0.70
16.	Zinc	APHA 23 rd Ed., 3111 B : 2017	mg/l	0.30
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

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
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands

Annexure-6







Annexure-7

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 - WPPB/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.....

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

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
01	Domestic	pH	Between: 5.5 to 9.0	yearly
		Total Suspended Solids	Not to exceed: 100 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 25 mg/l.	
		Oil & Grease	Not to exceed: 10 mg/l.	

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

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

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

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

Handwritten signature and date: 22/05/18

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

Consent to ⁽⁴⁾ M/s Eloquent Steel Pvt. Ltd (Formerly known as M/s Hiron Concast. Ltd.) Vill. - Nakrajoria P.O. + P.S. - Salampur, Dist - Paschim Bardhaman

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

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (%v/v)			
S-1	30	SEAF (1x5.5MVA)		—	100	—	—	—	Half yearly
S-2	30	SEAF (1x7.5MVA)		—	100	—	—	—	Do -
S-3	30	02 Nos. Induction Furnaces (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.)

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.

17-12/06/88



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] 26.08.2020
Senior Environmental Engineer
Asansol Regional Office.

Annexure-8A



ENVIROCHECK

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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 : ENV/208/M/N/I/22-23

Sampling Locations :	Near Administrative Building Common with Hira Concast Ltd. & Impex Steel Ltd.	Date of Study :	05/9/2022
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	63.2	68.5	66.61	66.02
7:00 AM to 8:00 AM	61.5	65.4	63.87	
8:00 AM to 9:00 AM	60.3	69.2	66.72	
9:00 AM to 10:00 AM	61.9	65.5	64.06	
10:00 AM to 11:00 AM	60.5	65.4	63.61	
11:00 AM to 12:00 PM	62.3	67.7	65.79	
12:00 PM to 1:00 PM	64.0	68.2	66.59	
1:00 PM to 2:00 PM	61.5	65.6	64.02	
2:00 PM to 3:00 PM	63.2	68.6	66.69	
3:00 PM to 4:00 PM	64.9	70.5	68.55	
4:00 PM to 5:00 PM	66.1	71.6	69.67	
5:00 PM to 6:00 PM	65.6	69.2	67.76	
6:00 PM to 7:00 PM	63.2	67.6	65.93	
7:00 PM to 8:00 PM	60.2	65.9	63.92	
8:00 PM to 9:00 PM	58.3	63.6	61.71	
9:00 PM to 10:00 PM	55.2	64.5	61.97	

Date of Study :	05/09/2022 TO 06/09/2022	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	53.9	62.6	60.14	59.57
11:00 PM to 12:00 AM	52.4	60.9	58.46	
12:00 AM to 1:00 AM	53.3	58.6	56.71	
1:00 AM to 2:00 AM	50.2	56.5	54.40	
2:00 AM to 3:00 AM	52.1	56.4	54.76	
3:00 AM to 4:00 AM	53.6	62.8	60.28	
4:00 AM to 5:00 AM	58.0	63.1	61.26	
5:00 AM to 6:00 AM	61.2	64.5	63.16	

L_{min} : Minimum Noise level L_{max} :Maximum Noise level L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022



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 : envirocheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website : www.envirocheck.org
Branch Office : • Siliguri • Haldia • Durgapur • Dhanbad • Gangtok • Port Blair • Dehradun • New Delhi
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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 : ENV/208/M/N/II/22-23

Sampling Locations :	Near Main Gate Common with Hira Concast Ltd. & Impex Steel Ltd.	Date of Study :	05/9/2022
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	66.8	70.1	68.76	69.98
7:00 AM to 8:00 AM	67.5	72.6	70.76	
8:00 AM to 9:00 AM	66.9	71.4	69.71	
9:00 AM to 10:00 AM	68.5	74.3	72.30	
10:00 AM to 11:00 AM	69.8	75.6	73.60	
11:00 AM to 12:00 PM	67.3	73.9	71.75	
12:00 PM to 1:00 PM	65.1	73.4	70.99	
1:00 PM to 2:00 PM	65.9	71.6	69.62	
2:00 PM to 3:00 PM	66.3	72.0	70.02	
3:00 PM to 4:00 PM	64.6	72.2	69.89	
4:00 PM to 5:00 PM	66.0	74.1	71.72	
5:00 PM to 6:00 PM	68.3	70.4	69.48	
6:00 PM to 7:00 PM	64.6	67.0	65.96	
7:00 PM to 8:00 PM	62.3	65.1	63.92	
8:00 PM to 9:00 PM	61.5	63.9	62.86	
9:00 PM to 10:00 PM	60.6	64.6	63.05	

Date of Study :	05/09/2022 TO 06/09/2022	Night time :	10 PM to 6 AM
-----------------	--------------------------	--------------	---------------

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	59.7	61.4	60.63	59.18
11:00 PM to 12:00 AM	58.2	60.5	59.50	
12:00 AM to 1:00 AM	50.6	54.8	53.19	
1:00 AM to 2:00 AM	48.7	53.0	51.36	
2:00 AM to 3:00 AM	48.2	52.1	50.57	
3:00 AM to 4:00 AM	53.0	58.6	56.65	
4:00 AM to 5:00 AM	60.5	62.7	61.74	
5:00 AM to 6:00 AM	62.0	64.4	63.36	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022

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



H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 { 033-25792891/25497490, Fax : 033-25299144
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



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 : ENV/208/M/N/III/22-23

Sampling Locations :	Near DVC Meter Room (Back Side of the Plant)	Date of Study :	05/9/2022
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	62.5	66.1	64.66	71.05
7:00 AM to 8:00 AM	64.0	68.5	66.81	
8:00 AM to 9:00 AM	65.6	70.2	67.29	
9:00 AM to 10:00 AM	64.9	70.1	68.24	
10:00 AM to 11:00 AM	68.0	72.2	70.59	
11:00 AM to 12:00 PM	70.3	74.6	72.96	
12:00 PM to 1:00 PM	68.5	73.0	71.31	
1:00 PM to 2:00 PM	68.0	73.5	71.57	
2:00 PM to 3:00 PM	70.1	75.0	73.21	
3:00 PM to 4:00 PM	68.4	76.6	74.20	
4:00 PM to 5:00 PM	67.0	74.1	71.86	
5:00 PM to 6:00 PM	68.3	75.0	72.83	
6:00 PM to 7:00 PM	67.1	73.4	71.30	
7:00 PM to 8:00 PM	65.2	73.7	71.26	
8:00 PM to 9:00 PM	62.8	72.6	70.02	
9:00 PM to 10:00 PM	61.2	70.3	67.79	

Date of Study :	05/09/2022 TO 06/09/2022	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	59.8	61.5	60.73	61.19
11:00 PM to 12:00 AM	57.5	60.4	59.19	
12:00 AM to 1:00 AM	56.5	60.2	58.73	
1:00 AM to 2:00 AM	58.9	63.7	61.93	
2:00 AM to 3:00 AM	56.4	62.6	60.52	
3:00 AM to 4:00 AM	57.8	62.4	60.68	
4:00 AM to 5:00 AM	60.4	63.9	62.49	
5:00 AM to 6:00 AM	62.5	64.0	63.31	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022



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



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 : ENV/208/M/N/IV/22-23

Sampling Locations :	Dandua Village (1.0 KM Distance from Plant)	Date of Study :	05/9/2022
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	50.2	52.9	51.76	53.81
7:00 AM to 8:00 AM	51.6	54.0	52.96	
8:00 AM to 9:00 AM	53.3	56.8	55.39	
9:00 AM to 10:00 AM	53.9	57.1	55.79	
10:00 AM to 11:00 AM	52.8	55.6	54.42	
11:00 AM to 12:00 PM	53.0	55.2	54.24	
12:00 PM to 1:00 PM	53.8	55.3	54.61	
1:00 PM to 2:00 PM	53.0	56.1	54.82	
2:00 PM to 3:00 PM	52.8	55.9	54.62	
3:00 PM to 4:00 PM	51.6	54.3	53.16	
4:00 PM to 5:00 PM	52.0	55.9	54.37	
5:00 PM to 6:00 PM	52.1	55.2	53.92	
6:00 PM to 7:00 PM	51.9	54.8	53.59	
7:00 PM to 8:00 PM	49.5	54.6	52.76	
8:00 PM to 9:00 PM	48.6	52.5	50.97	
9:00 PM to 10:00 PM	47.2	50.4	49.09	

Date of Study :	05/09/2022 TO 06/09/2022	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	40.4	42.8	41.76	42.59
11:00 PM to 12:00 AM	40.2	42.0	41.19	
12:00 AM to 1:00 AM	40.0	41.9	41.05	
1:00 AM to 2:00 AM	41.2	42.5	41.90	
2:00 AM to 3:00 AM	42.8	43.0	42.90	
3:00 AM to 4:00 AM	42.9	43.5	43.21	
4:00 AM to 5:00 AM	42.3	43.9	43.17	
5:00 AM to 6:00 AM	43.5	45.2	44.43	

L_{min} : Minimum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022

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 : envirocheck@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

Annexure-8B



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/53

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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/208/M/N/1/22-23
8.	Date of Study	:	05/09/2022
9.	Reporting Date	:	13/09/2022
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)	71.6	73.5	72.65	East Side
02.	dB(A)	61.6	70.4	67.93	West Side
03.	dB(A)	69.2	72.7	71.29	North Side
04.	dB(A)	66.0	71.8	69.80	South Side
Average dB(A) Leq				70.41	

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



Certificate No. TC-6014

ACCREDITED
Management Systems
Certification Body
MSCB-150
ISO 45001:2018

FORMAT NO. : ENV/FM/53

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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/208/M/N/II/22-23
8.	Date of Study	:	05/09/2022
9.	Reporting Date	:	13/09/2022
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)	72.5	80.2	77.87	East Side
02.	dB(A)	73.7	81.8	79.42	West Side
03.	dB(A)	69.9	73.8	72.27	North Side
04.	dB(A)	70.3	75.7	73.79	South Side
Average dB(A) Leq				75.83	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



FORMAT NO. : ENV/FM/53

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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/208/M/N/III/22-23
8.	Date of Study	:	05/09/2022
9.	Reporting Date	:	13/09/2022
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)	70.8	73.5	72.60	East Side
02.	dB(A)	69.8	71.6	70.79	West Side
03.	dB(A)	71.5	76.6	74.76	North Side
04.	dB(A)	72.2	75.6	74.22	South Side
Average dB(A) Leq				73.09	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

Annexure-9A

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

Sl. No.	Name of the Employees	Father's name	Designation	AGE	Weight	PR	BP	CBG	CBC (NORMAL / AB-NORMAL)	Blood Group	RH factor	ECG	X-RAY	Audiometry	Eye Vision (Distance)	Eye Vision (Near)	Colour Vision	Dental	Pulmonary Function Test	Remarks
1	SANJIV 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	63.00	113	140/90	125	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
12	4FEF BHADUR	BHISHIK 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	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
15	PRENATH SARKAR	WASID ANSARI	WELDER	40	69.00	70	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	SHANTIPADA SARDHU	METAL YARD SUPERVISOR	46	69.00	96	110/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
21	TAPAS NATH	LT JOCESH CHANDRA ROY	WELDER	34	65.00	98	120/60	115	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
22	PABITOSH SADIHU	KAUSHAL KISHOR SINGH	FITTER	20	61.00	83	130/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
23	SUJIT ROY	NATWAR LAL SHARMA	MRS ASSISTANT	37	65.00	75	110/70	110	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
24	AKASH KR SINGH	TARUN MONDAL	TRAINEE	35	71.00	97	120/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
25	VISHAL KR SHARMA	UMESH CHANDRA SINGH	EXECUTIVE	28	61.00	87	120/80	120	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
26	BIPADHARAN MONDAL	LAKSHI KANTA MAONDAL	ASSISTANT	28	52.00	85	120/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
27	SANJIV KR SINGH	MAHADEV THAKUR	SENIOR EXECUTIVE	25	73.00	116	140/90	130	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
28	RABINDRANATH MONDAL	RAJ BALI SONKAR	EXECUTIVE	47	67.00	78	130/70	125	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
29	MANU THAKUR	LATE BASUDEB MUMHERJEE	FITTER	38	56.00	58	120/80	110	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
30	BHODU SHANKAR	ASOK GHOSH	MRP INCHARGE	33	65.00	79	160/80	130	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
31	FALGUNI MUMHERJEE	MD IBRAHIM	SHIFT INCHARGE	45	70.00	86	130/80	135	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
32	KUSHIK GHOSH	SWAPAN KUMAR GHOSH	MECHANIC	42	74.00	76	120/80	140	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
33	MD ASLAM KHAN	NEMALI PAUL	CONTROL ROOM OPERATOR	29	86.00	96	120/80	120	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
34	SATYAJIT GHOSH	UDAYA PRADHAN	OPERATOR	30	52.00	78	110/70	130	WNR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
35	BABLU PAUL	JIBAN MODI	FLOORKLIFT OPERATOR	28	70.00	80	125/70	130	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
36	DILIP KR PRADHAN	DHIRANDRANATH PAUL	TECHNICIAN	35	71.00	90	110/70	140	WNR	A+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
37	SATYANARAYAN MODI	LATE MOHAN LAL SHARMA	CRAN OPERATOR	28	70.00	90	120/80	125	WNR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
38	BRINDABAN PAUL	KALYAN SHARMA	CRAN OPERATOR	40	75.00	98	140/90	130	WNR	O+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
39	KALYAN SHARMA	RAMJI 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)


 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.)
 NAMRAJOURA, 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	60.00	109	120/80	149	W/MR	B+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
JAMES MEHTA	JOSAI MEHTA	BUFFER OPERATOR	45	66.00	102	110/80	149	W/MR	AB+	POSITIVE	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	
BINOD PATEL	SHIV KUMAR 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	
HARENDRA NATH 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	
PRANAV 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	GURDEO 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 SAUDA	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-9B





Annexure-10



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-11



Annexure-12



R K Mishra <rk.mishra@shakambharigroup.in>

Submission of Environment Statement (Form-V) for FY: 2021-22 of M/S Eloquent Steel Pvt. Limited (Formerly Hira Concast Ltd. & Impex Steel Ltd.)

1 message

R K Mishra <rk.mishra@shakambharigroup.in>

Mon, Oct 31, 2022 at 9:44 PM

To: ee11.wbpcb-wb@bangla.gov.in

Cc: Dr Soma Das <iro.kolkata-mefcc@gov.in>, Sanjeev Kumar Sachan <sanjeev.sachan@shakambharigroup.in>

Dear Sir,

With reference to the subject we are submitting attached herewith the Environment Statement (Form-V) for the financial year ending 31st March, 2022 of M/S Eloquent Steel Pvt. Limited (Formerly Hira Concast Ltd. & Impex Steel Ltd.), Vill-Nakrajoria, PO-Salanpur, Dist-Paschim Bardhaman (WB) for your kind consideration please.

Kindly acknowledge our submission

With regards,

Yours faithfully,

for ELOQUENT STEEL PVT. LIMITED
(Formerly Hira Concast Ltd. & Impex Steel Ltd.)

R. K. Mishra
DGM-EHS

 ESPL_Env. Statement_2021-22.pdf
1022K

Annexure-13

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

Sender's name and mailing address (including Phone No. and e-mail)	Gloper Steel Pvt Ltd Machhapura, P.O. Salanpura Paschim Medinipur (India)
Sender's authorisation No.	
Manifest Document No.	
Transporter's name and address (including Phone No. and e-mail)	Self
Type of vehicle	(Truck/Tanker/Special Vehicle)
Transporter's registration No.	
Vehicle registration No.	1M106N1767
Receiver's name and mailing address (including Phone No. and e-mail)	Samaha Hi-Tech Co. Durgam Industrial Area Sindri Dhanbad
Receiver's authorisation No.	
Waste description	Used Transformers Oil
Total quantity	1.4 m ³ or MT
No. of Containers	2 Drums Nos.
Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Sticky/Liquid)
Special handling instructions and additional information	Helmets, Hand Gloves, Goggles & Shoes
Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
Signature and stamp:	Signature: _____ Month: _____ Day: _____ Year: _____
Signature and stamp:	Signature: _____ Month: _____ Day: _____ Year: _____
Signature and stamp:	Signature: _____ Month: _____ Day: _____ Year: _____

SAMAHANITECH. CO.
Bihar/India

Annexure-14



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

- Name of the Industry : Eloquent Steel Pvt. Ltd.
(Formerly known as – Impex Steel Ltd.)
- Address : Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. –
Paschim Bardhaman
- Report No. : ENV/611/S/M/22-23
- Date of sampling : 06.09.2022
- Reporting Date : 14.09.2022
- Type of sample : Slag
- 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	6.80
2.	Zinc (Zn)	EPA 1311 : 1992 / APHA 23 rd Ed., 3111 B : 2017	mg./l	4.80
3.	Copper (Cu)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.6 : 1998	mg./l	2.80
4.	Nickel (Ni)	EPA 1311 : 1992 / APHA 23 rd Ed., 3111 B : 2017	mg./l	2.10
5.	Lead (Pb)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	1.20
6.	Cadmium (Cd)	EPA 1311 : 1992 / EPA 3050 B, 1996/IS 3050 (Part 46)	mg./l	<0.002

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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

Annexure-15



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022		
		Analysis completed on	: 12.09.2022 - 12.09.2022		
		Date of Issue	: 14.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Stack Emission
Sample ID No.	: ENV/51/Sep./A/I	Report No.	: ENV/51/Sep./TR(A)/I/22-23		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: SEAF (No.1) Through APC system		
Shape of Stack	: Circular	Height of Stack (mtr.) (from G. L.)	: 36.0
Materials of Construction	: M.S.	Stack I.D. at sampling point (mtr.)	: 1.60
Capacity	: 7.5 MVA	Height of sampling port (mtr.) (from G.L.)	: 27.0
Emission Due to	: Melting of Coke, Mn-Ore, Silica & Dolomite		
Fuel Used	: Electrically Operated	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Bag Filter (2 nos.) [756 bags in each Bag Filter]		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 86.4
2.	Barometric Pressure	mm of Hg.	--	: 755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 9.08
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 54092.51
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 41.05
6.	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	: 17.06

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/51/Sep./A/II	Report No.	: ENV/51/Sep./TR(A)/II/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

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

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	94.0
2.	Barometric Pressure	mm of Hg.	--	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	8.24
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	48067.35
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	37.96
6.	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	25.70

Remarks :

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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 Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Sample ID No.	: ENV/51/Sep./A/III	Report No.	: ENV/51/Sep./TR(A)/III/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Hood Over Induction Furnace (No.1)	Height of Stack (mtr.) (from G. L.)	: 25.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 1.0
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: --
Capacity	: 07 MT/Charging	Emission Due to	: Combustion of Sponge Iron, Pig Iron Scraps etc.
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)	55.0
2.	Barometric Pressure	mm of Hg.	--	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	7.61
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	19402.60
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	17.71
6.	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	63.33

Remarks :

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJAY PAUL
Quality Manager

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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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: ENV/51/Sep./A/IV	Report No.	: ENV/51/Sep./TR(A)/IV/22-23

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Hood Over Induction Furnace (No.2)
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 07 MT/Charging
Emission Due to	: Combustion of Sponge Iron, Pig Iron Scraps etc.
Fuel Used	: Electrically Operated
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)	59.0
2.	Barometric Pressure	mm of Hg.	--	755.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	8.37
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	21084.87
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	19.32
6.	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	41.01

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

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 Overseas : UAE ■ Qatar ■ Netherlands

Annexure-16



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022		
		Analysis completed on	: 12.09.2022 - 12.09.2022		
		Date of Issue	: 14.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/51/Sep./A/VIII	Report No.	: ENV/51/Sep./TR(A)/VIII/22-23		

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	450.62

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

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Overseas : UAE ■ Qatar ■ Netherlands



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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022		
		Analysis completed on	: 12.09.2022 - 12.09.2022		
		Date of Issue	: 14.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Work Zone Air
Sample ID No.	: ENV/51/Sep./A/VIII	Report No.	: ENV/51/Sep./TR(A)/VIII/22-23		

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

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

C] RESULTS

SL. NO.	PARAMETERS	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	12.80
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	31.64

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality 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
E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	:	Ferro Alloy and SMS Unit			
Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	:	06.09.2022			
			Analysis completed on	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/51/Sep./A/IX	Report No.	:	ENV/51/Sep./TR(A)/IX/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Near Raw Materials Stock Yard
2. Duration of Sampling : 08 hrs. (10:25 a.m. - 06:25 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	444.80

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

H.O. : 63/B, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792891/ 25497490 ■ Fax : 033 25299141
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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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone Air
Sample ID No.	: ENV/51/Sep./A/IX	Report No.	: ENV/51/Sep./TR(A)/IX/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near Raw Materials Stock Yard
2. Duration of Sampling : 08 hrs. (10:25 a.m. - 06:25 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
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	8.04
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	26.45

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJJOY PAUL
Quality 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
 E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
 Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
 Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Ltd.)	Type of Industry	:	Ferro Alloy and SMS Unit			
Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	:	06.09.2022			
			Analysis completed on	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Work Zone Air
Sample ID No.	:	ENV/51/Sep./A/X	Report No.	:	ENV/51/Sep./TR(A)/X/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Inbetween Furnace Area
2. Duration of Sampling : 08 hrs. (10:15 a.m. - 06:15 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 2005	412.04

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality 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 - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone Air
Sample ID No.	: ENV/51/Sep./A/X	Report No.	: ENV/51/Sep./TR(A)/X/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Inbetween Furnace Area
2. Duration of Sampling : 08 hrs. (10:15 a.m. - 06:15 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 34.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell

C] RESULT

SL. NO.	PARAMETER	UNIT	METHOD NO.	RESULT
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	12.28
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	30.62

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJJOY PAUL
Quality 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
 E-mail : info@envirocheck.in / envirocheck50@gmail.com ■ Website : www.envirocheck.in
 Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
 Overseas : UAE ■ Qatar ■ Netherlands

Annexure-17



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
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 - Impex Steel Pvt. Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022		
		Period of Analysis	: 07.09.2022 - 10.09.2022		
		Date of Issue	: 12.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Industrial Effluent Water (Grab)
Location	: Recycling Water Tank	Sample ID No.	: ENV/612/Sep./M/W	Report No.	: ENV/612/Sep./M/TR(W)/22-23

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	-	6.88
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	12.0
3.	Oil & Grease	5520 B/D APHA 23 rd Edition, 2017	mg/l	<1.0
4.	Chemical Oxygen Demand	5200 B/C/D APHA 23 rd Edition, 2017	mg/l	18.0
5.	Biochemical Oxygen Demand for 3 days at 27°C	5210 B APHA 23 rd Edition, 2017	mg/l	<2.0

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality 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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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands

Annexure-18



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 – Impex Steel Ltd.)
2. Address : Vill. – Nakrajoria, P.O. + P.S. – Salanpur, Dist. –
Paschim Bardhaman
3. Report No. : ENV/612B/TR(SL)/M/22-23
4. Date of sampling : 06.09.2022
5. Reporting Date : 13.09.2022
6. Type of sample : Slag
7. Location : Ferro Slag

Sl. No.	PARAMETERS	METHOD	UNIT	RESULTS
1.	Zinc (Zn)	EPA 1311 : 1992 / APHA 23 rd Ed., 3111 B : 2017	mg./l	6.70
2.	Copper (Cu)	EPA 1311 : 1992 EPA 3050 B, 1996/EPA 200.6 : 1998	mg./l	2.80
3.	Nickel (Ni)	EPA 1311 : 1992 / APHA 23 rd Ed., 3111 B : 2017	mg./l	2.40
4.	Lead (Pb)	EPA 1311 : 1992 / EPA 3050 B, 1996/EPA 200.9 : 1998	mg./l	1.20
5.	Cadmium (Cd)	EPA 1311 : 1992 / EPA 3050 B, 1996/IS 3050 (Part 46)	mg./l	<0.002

Reviewed By :

Indrani Bhattacharya

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. Ajoy Paul

Dr. AJOY PAUL
Quality Manager

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Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata -700028 ■ Ph. 033 25792889
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Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
Overseas : UAE ■ Qatar ■ Netherlands

Annexure-19

MAITHAN STEEL & POWER LIMITED

Date: 01.12.2021.

AGREEMENT

This Memorandum of Understanding (MOU) hereafter referred to as ("Agreement") made on this the First Day of December, 2021 by M/s. Eloquent Steel Pvt. Ltd. a company incorporated under the Companies Act, 1956 and having located at Vill. Nakrajoria, PO/PS, Salanpur, Dist. Paschim Bardhaman (WB)- 713357 hereafter referred to as ESPL (Which expression shall unless excluded by or repugnant to the subject or context to deemed to mean and include its successor or successors and permitted assigns) of the Party-1.

AND

M/s. Maithan Steel & Power Ltd., having its factory at Salanpur, Dendua (Which expression shall unless excluded by or repugnant to the subject or context to deemed to mean and include its successor or successors and permitted assigns) of the Party-2.

Whereas, the First Party offered Solid waste slag generated at ESPL from Induction Furnace & SAF to M/s. Maithan Steel & Power Ltd.

Whereas, the material shall be dispatched by ESPL to M/s. Maithan Steel & Power Ltd., by their own means and cost and no charges what so ever shall be paid by M/s. Maithan Steel & Power Ltd., towards, cost, loading, freight, etc.

M/s. Maithan Steel & Power Ltd., will utilize the solid waste slag towards land filling and use as aggregate at its factory at Salanpur, Dendua.

Period of Agreement: This agreement shall remain in force for a period of 2 (Two) years from the date of signing this agreement which may be further extended with mutual consent of the parties.

Dispute Resolution: That in the event of any dispute of difference between the parties in respect to this Agreement shall be settled by amicable negotiation between the parties failing which the same shall be decided by Arbitration in accordance with provision of Arbitration and conciliation Act, 1966.

In witness thereof the parties hereto have executed this above written Agreement on the First Day of December, 2021

Signed and Delivered by the above

Name: Arun Kumar Show
Designation: Factory Manager
M/s. Maithan Steel & Power Ltd.

Signed and Delivered by the above

Name: Ram Singh
Designation: Factory Manager
M/s. Eloquent Steel Pvt. Ltd.

Registered Office:

9, A.J.C. Bose Road, Ideal Centre,
6th Floor, Kolkata - 700 017,
☎ +91 33 4085 7200

CIN: U27102WB2001PLC093321

Works: Unit-I

P.O. Bonra, P.S.: Neturia - 723121,
Dist.: Purulia, (WB)

www.maithansteel.com

Works: Unit-II

Chittaranjan Road, Dendua More,
P.O. & P.S.: Salanpur - 713357,
Dist.: Paschim Bardhaman (WB)

☎ 8651540007



Eastern Track Udyog Pvt. Ltd.

MANUFACTURER OF RAILWAY TRACK FITTING



VILL : Nakrajoria, P.O. : Salanpur
Dist : Paschim Bardhaman
Pin : 713357

E-mail : kediakedia@jaidadigroup.com
easternudyog@rediffmail.com

Website : www.jaidadigroup.com

CIN No. : U35203WB2005PTC104529

Date: 01.12.2021

AGREEMENT

This memorandum of understanding (MOU) hereafter referred to as ("Agreement") made on this the first day of December 2021 by M/S Eloquent Steel Pvt. Ltd. a company incorporated under the companies Act, 1956 and having located at Vill-Nakrajoria, PO/PS-Salanpur, Dist-Paschim Bardhaman (WB)-713357 hereafter referred to as ESPL (with expression shall unless excluded by or repugnant to the subject or context to deemed to mean and include its successor or successors and permitted assigns) of the PARTY-1.

AND

M/s Eastern Track Udyog private Limited having its factory at Nakrazoria, Salanpur (with expression shall unless excluded by or repugnant to the subject or context be deemed to mean and include its successor or successors and permitted assigns) of the PARTY-2.

Whereas, the First Party offered Solid Waste Slag generated at ESPL from Induction Furnace & SAF to M/S Maithan Steel and Power Limited the rate of the Slag will be decided on monthly basis.

Whereas, M/S. Eastern Track Udyog private Limited shall arrange to place vehicle for lifting of the slag from ESPL and will pay the freight to the transporter/truck driver as per lorry receipt and at actual being the charges from unit of ESPL, Nakrajoria, to the unit of M/S Shakambhari Group of Industries.

M/S. Eastern Track Udyog private Limited will utilize the solid waste slag towards land filling and use as aggregate at its factory at Salanpur, Denuda.

Period of Agreement: This agreement shall remain in force for a period of 3(Three) years from the date of signing this agreement which may be further extended with mutual consent of the parties.

Dispute Resolution : That in the event of any dispute of difference between the parties in respect to this Agreement shall be settled by amicable negotiation between the parties failing which the same shall be decided by Arbitration in accordance with provision of Arbitration and conciliation Act, 1966.

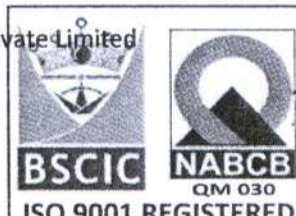
In witness thereof the parties here to have executed this above written Agreement on the first day of December 2021.

Signed and Delivered by the above

Signed and Delivered by the above



Name:
Designation:
M/S Eastern Track Udyog private Limited



Name: Ram Sunder Singh
Designation: Factory Manager
M/S Eloquent Steel Pvt. Ltd.



Annexure-20

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

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



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

Consent Letter Number : CO 110/24

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

Date : 28/06/18

Consent to Operate

under

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

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

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

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

.....(Detailed address of the manufacturing unit)

for a period from up to 30.06.2023

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

ANNEXURE

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

Conditions :

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

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

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

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

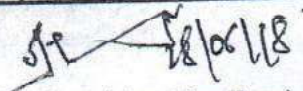
Continued.....

Consent to M/s Eloquent Steel Pvt Ltd (Formerly known as M/s. Iron Steel Ltd.)
 for its unit at Vill. - Nakrajonia
P.O. + P.S. - Salanpur, 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	35	02 Nos. SEAF (2x7.5 MVA)		—	150	—	—	—	—	Half yearly
S-2	30	02 Nos. Induction Furnace (2x7MT/charge)		—	150	—	—	—	—	Yearly
S-3	7	D.G. Set 250 KVA		—	150	1	—	—	—	-Do-
S-4										
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										


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

Continued.....

Consent to ⁽⁵⁾ M/s. Eloquent Steel Pvt Ltd. (Formerly known as M/s. Im Steel 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	250 MT/month	—	Recycled
Sl-Mn Slag	1400 MT/month	—	Road Development

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

Time	Limit in dB(A) L_{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

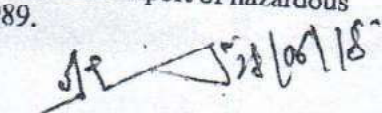
(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....

Consent to M/s Eloquent Steel Pvt Ltd. (Formerly known as
M/s Impex Steel Ltd.) Vill. - Nokrajaria
 for its unit at P.O. + P.S. - Salarpur, 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 Application shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
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.
5. 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.
5. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions


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



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).


Senior Environmental Engineer
Asansol Regional Office.

Annexure-21



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	:	Eloquent Steel Pvt. Ltd.	Type of Industry	:	Ferro Alloy and SMS Unit			
Address	:	Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	:	05.09.2022 - 06.09.2022			
			Period of Analysis	:	12.09.2022 - 12.09.2022			
			Date of Issue	:	14.09.2022			
Sampling Plan & Procedure	:	ENV/SOP/01	Deviation from the Sampling Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No.	:	ENV/50/Sep./A/IV	Report No.	:	ENV/50/Sep./TR(A)/IV/22-23			

A] GENERAL INFORMATION

1. Location of Sampling : Common Entrance of Hira Concast & Impex Steel Ltd.
2. Duration of Sampling : 24 hrs. (09:30 a.m. - 09:30 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 27.0
2. Average Relative Humidity (%) : 79.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	51.70
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.56
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	16.47
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	32.75
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	0.29
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. AJOY PAUL
Quality Manager

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Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly known as - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit		
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022 - 07.09.2022		
		Analysis completed on	: 12.09.2022 - 12.09.2022		
		Date of Issue	: 14.09.2022		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Ambient Air
Sample ID No.	: ENV/51/Sep./A/V	Report No.	: ENV/51/Sep./TR(A)/V/22-23		

A] GENERAL INFORMATION

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

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.0
2. Average Relative Humidity (%) : 74.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear

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	50.70
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.43
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	7.03
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	27.16
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	0.24
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
13.	Mercury	mg/m ³	EPA IO.5 : 1999	<0.002

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJOY PAUL
Quality Manager

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly known as - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022 - 07.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/51/Sep./A/VI	Report No.	: ENV/51/Sep./TR(A)/VI/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Nakrajoria 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) : 26.0
2. Average Relative Humidity (%) : 82.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	45.98
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	79.08
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.83
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	26.52
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	0.14
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
13.	Mercury	mg/m ³	EPA IO.5 : 1999	<0.002

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

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TEST REPORT

FORMAT NO : ENV/FM/37

Name of the Industry	: Eloquent Steel Pvt. Ltd. (Formerly known as - Impex Steel Ltd.)	Type of Industry	: Ferro Alloy and SMS Unit
Address	: Vill. - Nakrajoria, P.O. + P.S. - Salanpur, Dist. - Paschim Bardhaman	Sampling Date	: 06.09.2022 - 07.09.2022
		Analysis completed on	: 12.09.2022 - 12.09.2022
		Date of Issue	: 14.09.2022
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: ENV/51/Sep./A/VII	Report No.	: ENV/51/Sep./TR(A)/VII/22-23

A] GENERAL INFORMATION

1. Location of Sampling : Near M.C.C Buildings (Back Side of the Plant)
2. Duration of Sampling : 24 hrs. (12:00 p.m. - 12:00 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 28.5
2. Average Relative Humidity (%) : 80.0
3. Barometric Pressure (mm of Hg) : 755.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Cloudy

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	50.52
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	84.18
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	8.44
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	25.0
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	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
13.	Mercury	mg/m ³	EPA IO.5 : 1999	<0.002

Remarks :

Reviewed By :

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

Approved By :

Dr. AJAY PAUL
Quality Manager

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 Overseas : UAE ■ Qatar ■ Netherlands

Annexure-22A



ENVIROCHECK

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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 – Impex Steel Ltd.)
Vill. – Nakrajoria, P.O + P.S – Salanpur, District – Paschim Burdwan

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

Report No :ENV/209/M/N/III/22-23

Sampling Locations :	Nakrajoria Village (1 km Distance from Plant)	Date of Study :	06/9/2022
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	46.4	50.1	48.63	52.01
7:00 AM to 8:00 AM	47.2	51.7	50.01	
8:00 AM to 9:00 AM	47.8	51.9	50.32	
9:00 AM to 10:00 AM	49.0	52.4	51.02	
10:00 AM to 11:00 AM	49.4	53.1	51.63	
11:00 AM to 12:00 PM	53.1	56.8	55.33	
12:00 PM to 1:00 PM	51.6	56.0	54.33	
1:00 PM to 2:00 PM	51.2	55.9	54.16	
2:00 PM to 3:00 PM	50.8	53.4	52.29	
3:00 PM to 4:00 PM	50.2	54.1	52.57	
4:00 PM to 5:00 PM	50.6	58.2	55.89	
5:00 PM to 6:00 PM	48.6	53.9	52.01	
6:00 PM to 7:00 PM	46.9	50.0	48.72	
7:00 PM to 8:00 PM	45.3	49.4	47.82	
8:00 PM to 9:00 PM	44.1	48.6	46.91	
9:00 PM to 10:00 PM	43.5	47.2	45.73	

Date of Study :	06/09/2022 TO 07/09/2022	Night time :	10 PM to 6 AM
-----------------	--------------------------	--------------	---------------

Time (hrs.)	L _{min}	L _{max}	L _{eq}	Night time L _{eq}
10:00 PM to 11:00 PM	42.8	46.4	44.96	44.43
11:00 PM to 12:00 AM	41.8	45.7	44.17	
12:00 AM to 1:00 AM	40.1	45.6	43.67	
1:00 AM to 2:00 AM	39.6	42.9	41.56	
2:00 AM to 3:00 AM	39.3	43.1	41.60	
3:00 AM to 4:00 AM	42.6	48.2	46.25	
4:00 AM to 5:00 AM	41.8	47.2	45.29	
5:00 AM to 6:00 AM	42.1	47.5	45.59	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 08/09/2022



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

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141
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ENVIROCHECK

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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 – Impex Steel Ltd.)
Vill. – Nakrajoria, P.O + P.S – Salanpur, District – Paschim Burdwan

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

Report No :ENV/209/M/N/IV/22-23

Sampling Locations :	Near MMC Building (Back side of the Plant)	Date of Study :	06/9/2022
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	60.4	64.1	62.63	69.03
7:00 AM to 8:00 AM	63.2	67.3	65.72	
8:00 AM to 9:00 AM	67.8	71.4	69.96	
9:00 AM to 10:00 AM	68.9	74.3	72.39	
10:00 AM to 11:00 AM	67.4	72.6	70.74	
11:00 AM to 12:00 PM	66.9	70.1	68.79	
12:00 PM to 1:00 PM	68.5	72.3	70.80	
1:00 PM to 2:00 PM	70.1	74.6	72.91	
2:00 PM to 3:00 PM	68.2	71.4	70.09	
3:00 PM to 4:00 PM	68.8	72.2	70.82	
4:00 PM to 5:00 PM	65.4	69.1	67.63	
5:00 PM to 6:00 PM	64.9	68.5	67.06	
6:00 PM to 7:00 PM	63.1	67.4	65.76	
7:00 PM to 8:00 PM	62.7	66.2	64.79	
8:00 PM to 9:00 PM	61.4	65.1	63.63	
9:00 PM to 10:00 PM	60.2	64.5	62.86	

Date of Study :	06/07/2022 TO 07/09/2022	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	59.4	62.3	61.09	62.78
11:00 PM to 12:00 AM	58.2	61.4	60.09	
12:00 AM to 1:00 AM	57.8	60.6	59.42	
1:00 AM to 2:00 AM	56.3	60.4	58.82	
2:00 AM to 3:00 AM	59.4	62.5	61.22	
3:00 AM to 4:00 AM	60.6	63.8	62.49	
4:00 AM to 5:00 AM	62.8	65.9	64.62	
5:00 AM to 6:00 AM	63.4	69.2	67.20	

L_{min} : Minimum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 08/09/2022



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



NOISE MONITORING REPORT

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

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

Report No : ENV/208/M/N/I/22-23

Sampling Locations :	Near Administrative Building Common with Hira Concast Ltd. & Impex Steel Ltd.	Date of Study :	05/9/2022
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	63.2	68.5	66.61	66.02
7:00 AM to 8:00 AM	61.5	65.4	63.87	
8:00 AM to 9:00 AM	60.3	69.2	66.72	
9:00 AM to 10:00 AM	61.9	65.5	64.06	
10:00 AM to 11:00 AM	60.5	65.4	63.61	
11:00 AM to 12:00 PM	62.3	67.7	65.79	
12:00 PM to 1:00 PM	64.0	68.2	66.59	
1:00 PM to 2:00 PM	61.5	65.6	64.02	
2:00 PM to 3:00 PM	63.2	68.6	66.69	
3:00 PM to 4:00 PM	64.9	70.5	68.55	
4:00 PM to 5:00 PM	66.1	71.6	69.67	
5:00 PM to 6:00 PM	65.6	69.2	67.76	
6:00 PM to 7:00 PM	63.2	67.6	65.93	
7:00 PM to 8:00 PM	60.2	65.9	63.92	
8:00 PM to 9:00 PM	58.3	63.6	61.71	
9:00 PM to 10:00 PM	55.2	64.5	61.97	

Date of Study :	05/09/2022 TO 06/09/2022	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	53.9	62.6	60.14	59.57
11:00 PM to 12:00 AM	52.4	60.9	58.46	
12:00 AM to 1:00 AM	53.3	58.6	56.71	
1:00 AM to 2:00 AM	50.2	56.5	54.40	
2:00 AM to 3:00 AM	52.1	56.4	54.76	
3:00 AM to 4:00 AM	53.6	62.8	60.28	
4:00 AM to 5:00 AM	58.0	63.1	61.26	
5:00 AM to 6:00 AM	61.2	64.5	63.16	

L_{min} : Minimum Noise level L_{max} :Maximum Noise level L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022



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

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-2529914)
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Email : envcheck@cal2.vsnl.net.in/envirocheck50@gmail.com / Website : www.envirocheck.org
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Overseas : ▪ UAE ▪ Qatar ▪ Netherlands



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NOISE MONITORING REPORT

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

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

Report No : ENV/208/M/N/II/22-23

Sampling Locations :	Near Main Gate Common with Hira Concast Ltd. & Impex Steel Ltd.	Date of Study :	05/9/2022
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	66.8	70.1	68.76	69.98
7:00 AM to 8:00 AM	67.5	72.6	70.76	
8:00 AM to 9:00 AM	66.9	71.4	69.71	
9:00 AM to 10:00 AM	68.5	74.3	72.30	
10:00 AM to 11:00 AM	69.8	75.6	73.60	
11:00 AM to 12:00 PM	67.3	73.9	71.75	
12:00 PM to 1:00 PM	65.1	73.4	70.99	
1:00 PM to 2:00 PM	65.9	71.6	69.62	
2:00 PM to 3:00 PM	66.3	72.0	70.02	
3:00 PM to 4:00 PM	64.6	72.2	69.89	
4:00 PM to 5:00 PM	66.0	74.1	71.72	
5:00 PM to 6:00 PM	68.3	70.4	69.48	
6:00 PM to 7:00 PM	64.6	67.0	65.96	
7:00 PM to 8:00 PM	62.3	65.1	63.92	
8:00 PM to 9:00 PM	61.5	63.9	62.86	
9:00 PM to 10:00 PM	60.6	64.6	63.05	

Date of Study :	05/09/2022 TO 06/09/2022	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	59.7	61.4	60.63	59.18
11:00 PM to 12:00 AM	58.2	60.5	59.50	
12:00 AM to 1:00 AM	50.6	54.8	53.19	
1:00 AM to 2:00 AM	48.7	53.0	51.36	
2:00 AM to 3:00 AM	48.2	52.1	50.57	
3:00 AM to 4:00 AM	53.0	58.6	56.65	
4:00 AM to 5:00 AM	60.5	62.7	61.74	
5:00 AM to 6:00 AM	62.0	64.4	63.36	

L_{min} : Minimum Noise level

L_{max} :Maximum Noise level

L_{eq} :Equivalent sound energy

Compiled by : (Signature)
Dr. Ajoy Paul

Envirocheck Seal
Date : 07/09/2022



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

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-2529914
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Annexure-22B



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Certificate No. TC-6014



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel 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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/209/M/N/1/22-23
8.	Date of Study	:	06/09/2022
9.	Reporting Date	:	13/09/2022
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. Kamalesh Das

RESULT OF NOISE LEVEL STUDY

Time : 10:00 - 10:20A.M

DAY TIME

1. Location : Ferro Alloy Plant (Ferro Division)

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	71.8	75.6	74.10	East Side
02.	dB(A)	70.4	73.6	72.29	West Side
03.	dB(A)	74.4	77.2	76.02	North Side
04.	dB(A)	70.8	74.2	72.82	South Side
Average dB(A) Leq				73.80	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



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/53

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel 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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/209/M/N/II/22-23
8.	Date of Study	:	06/09/2022
9.	Reporting Date	:	13/09/2022
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. Kamalesh Das

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

2. Location : Induction Furnace Area - SMS Division					
Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	67.4	71.6	69.99	East Side
02.	dB(A)	69.2	72.2	70.95	West Side
03.	dB(A)	71.8	73.4	72.67	North Side
04.	dB(A)	68.8	72.8	71.25	South Side
Average dB(A) Leq				71.21	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<



ENVIROCHECK

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



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel 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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/209/M/N/III/22-23
8.	Date of Study	:	06/09/2022
9.	Reporting Date	:	13/09/2022
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. Kamalesh Das

RESULT OF NOISE LEVEL STUDY

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

DAY TIME

3. Location : Near Raw Material Stock Yard - R.M Handling Section

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	60.4	62.6	61.64	East Side
02.	dB(A)	61.5	64.7	63.39	West Side
03.	dB(A)	60.8	63.5	62.36	North Side
04.	dB(A)	61.3	63.5	62.54	South Side
Average dB(A) Leq				62.98	

Reviewed By:

Approved By:

Jalanka
Dy. Quality Manager

Paul
Quality Manager

>End of Report<



FORMAT NO. : ENV/FM/53

TEST REPORT

1.	Name of the Industry / Project	:	Eloquent Steel Pvt. Ltd. (Formerly Known as - Impex Steel 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/02
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Work Zone Noise
7.	Sample ID	:	ENV/209/M/N/IV/22-23
8.	Date of Study	:	06/09/2022
9.	Reporting Date	:	13/09/2022
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. Kamalesh Das

RESULT OF NOISE LEVEL STUDY

Time : 11:30 - 11:50 A.M

DAY TIME

3. Location : Billet Yard

Sl. No.	Unit	Minimum dB(A)	Maximum dB(A)	Leq dB(A)	Remarks
01.	dB(A)	58.4	62.3	60.77	East Side
02.	dB(A)	60.6	62.8	61.84	West Side
03.	dB(A)	57.7	60.6	59.39	North Side
04.	dB(A)	61.4	63.9	62.83	South Side
Average dB(A) Leq				61.20	

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<