



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The DIRECTOR
ELOQUENT STEEL PRIVATE LIMITED

Diamond Prestige, 41 A, A J C Bose Road, 8th Floor, Room No. 801,
Kolkata, West Bengal,,Kolkata,West Bengal-700017

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the Ministry vide proposal number
IA/WB/IND/3184/2011 dated 02 Aug 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC23A008WB135416 |
| 2. File No. | J-11011/188/2011-IA.II(I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including
Schedule No. | 3(a) Metallurgical industries (ferrous &
non ferrous) |
| 6. Name of Project | Proposal for 2 x 7.5 MVA Ferro Alloy
Plant and 1 x 300 TPD Sinter Plant |
| 7. Name of Company/Organization | ELOQUENT STEEL PRIVATE LIMITED |
| 8. Location of Project | West Bengal |
| 9. TOR Date | 10 Jun 2011 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 16/03/2023

(e-signed)
Dr. R. B. Lal
Scientist F
IA - (Industrial Projects - 1 sector)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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F. No. J-11011/188/2011-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 16th March, 2023

To,

M/s Eloquent Steel Pvt Ltd.
Diamond Prestige, 41 A, A J C Bose Road,
8th Floor, Room No. 801,
Kolkata, West Bengal-700017
Email: esplmoef@shakambhargroup.in

Project: Amalgamation & Modification cum Expansion by M/s Eloquent Steel Pvt. Ltd. for 336,000 TPA Billet Production along with Rolling Mill for production of 210,000 TPA Rolled Product, Installation of 150,000 TPA Briquette Plant, 100,800 TPA Sinter Plant and addition of Pig Iron as product from the Existing Submerged Arc Furnace, located at Village: Nakrajoria, P.O.: Salanpur, District: Paschim Burdwan, West Bengal— Grant of Environmental Clearance.

Sir,

This refers to your proposal no. **IA/WB/IND/3184/2011** dated **02.08.2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above. Further, the PP has uploaded the modified EIA/EMP report on Parivesh portal on 29.12.2022 for the Amalgamation & Modification cum Expansion proposal. Further, the Consultant has also uploaded the reply of SCN on 29.12.2022 on Parivesh portal.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category 'A' of item **3(a) Metallurgical Industries (ferrous & non-ferrous)** and appraised at Central Level.

3. The above-mentioned proposal has been initially considered in **12th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 30-31st August, 2022 and further considered on 21st EAC meeting held on 16-17th January 2023.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

S. No.	Particulars	Details submitted by the PP
a.	Terms of Reference for undertaking EIA study	11.11.2020
b.	Period of baseline data collection	01.12.2019 to 29.02.2020
c.	Date of Public Consultation	03.11.2021



S. No.	Particulars	Details submitted by the PP		
d.	Action plan to address the PH issues	An amount of Rs. 1.8 Crores have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1 .		
e.	Location of the project	Nakrajoria, P.O.: Salanpur, District: Paschim Burdwan, West Bengal		
f.	Latitude and Longitude of the project site	Point	Latitude	Longitude
		A	23° 46' 43.1" N	86° 51' 37.0" E
		B	23° 46' 40.7" N	86° 51' 38.9" E
		C	23° 46' 36.7" N	86° 51' 41.7" E
		D	23° 46' 37.3" N	86° 51' 49.3" E
		E	23° 46' 30.2" N	86° 51' 49.1" E
		F	23° 46' 28.5" N	86° 51' 33.7" E
		G	23° 46' 31.8" N	86° 51' 33.6" E
		H	23° 46' 35.6" N	86° 51' 33.6" E
		I	23° 46' 40.5" N	86° 51' 35.5" E
g.	Total land	9.089 ha [Private Land]		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	No additional land required for the project. Land has already been acquired and under the possession of the company.		
i.	Existence of habitation & involvement of R&R, if any	R&R is not applicable.		
		Study Area		
		Habitation	Distance	Direction
		Dendua	30 metres	NE
Salanpur	1.4 km	SW		
j.	Elevation of the project site	152 m above mean sea level		
k.	Involvement of Forest land if any.	No involvement of Forest Land.		
l.	Water body exists within the project site as well as study area	Project Site: No water bodies within the project site		
		Study area:		
		Water Body	Distance	Direction
		Barakar River	3.75	W
Maithon dam	4.86	NW		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil Few protected forests are present in buffer zone of the project site.		
n.	Project cost	The Existing Capital cost of project was Rs. 83.62 Crores. The capital cost of the proposed project is Rs. 120.0 Crores.		
o.	EMP cost	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)
		Proposed	2.769	0.4741

S. No.	Particulars	Details submitted by the PP
p.	Employment opportunity	The employment generation from the proposed expansion is 400.
q.	Water and Power requirement	Water –Existing water requirement is 640 KLD. The water requirement for the proposed project is estimated as 1970 KLD, Power –64.MW

Unit configuration and capacity:

S. No.	Plant Equipment/Facility	Existing facilities as per EC dated 28.07.2008, 11.12.2008, 03.09.2012 and 20.09.2012								Proposed Units		Final (Existing + Proposed)		Remarks
		Total (A+B)		Implemented (A)		Unimplemented (B)		As per CTO		Conf	Capacity TPA	Conf.	Capacity TPA	
		Conf.	Capacity TPA	Conf	Capacity TPA	Conf	Capacity TPA	Conf	Capacity TPA					
1	Steel Melting Shop -1 (Induction Furnace)	4x7	106004	4x7	106004	--	--	4x7	106004	Modification of existing 4x7 Ton IF to 4x8 Ton + Installation of 2x8 Ton IF with LRF (1x8T) and 1x4/7m CCM	164,500	6x8 Ton Induction Furnace with 1x8 Ton LRF and 2x4/7m CCM	336,000	Billets
		TON	MS Ingot	TON	MS Ingot			TON	MS Ingot					
		--	--	--	--	--	--	--	--	Installation of 2x25 Ton IF with 1x25 Ton LRF and 3x6/11m CCM	171,500	2x25 Ton IF with 1x25 Ton LRF and 3x6/11m CCM		
2	Ferro-Alloy Plant with metal recovery Plant (Submerged Arc Furnace)	5x7.5	Fe-Mn 76,131	3x7.5	Fe-Mn 59,052	2x7.5	Fe-Mn 17,079	3x7.5	Fe-Mn 59052	Proposed for addition of Pig Iron production without adding any additional facilities	Pig Iron-76400	3x7.5 MVA + 1x5.5 MVA SAF with metal recovery Plant	Fe-Mn-59,052, or Si. Mn-43,236, or Fe Si – 22,680, or High Carbon Ferro Chrome – 59,052, or	--
		VA	Si-Mn 54,629	VA	Si-Mn 43,235	VA	Si-Mn 11,394	VA	Si-Mn 43,235					



S. No.	Plant Equipment/Facility	Existing facilities as per EC dated 28.07.2008, 11.12.2008, 03.09.2012 and 20.09.2012								Proposed Units		Final (Existing + Proposed)		Remarks
		Total (A+B)		Implemented (A)		Unimplemented (B)		As per CTO						
		Conf.	Capacity TPA	Conf.	Capacity TPA	Conf.	Capacity TPA	Conf.	Capacity TPA	Conf.	Capacity TPA	Conf.	Capacity TPA	
													Ferro Silico Chrome – 33,480, or Pig Iron-76,400, or in combination of any	
3.	Rolling Mill	--	--	--	--	--	--	--	--	600 TPD	2,10,000 Rolled Products (TMT Bar, MS Round & Wire Rod)	600 TPD	210,000 Rolled Products (TMT Bar, MS Round & Wire Rod)	-
4.	Reheating Furnace	--	--	--	--	--	--	--	--	1 x 25 TPH	--	1 x 25 TPH	--	--
5.	Sinter Plant	30 TPD	--	--	--	30 TPD	--	--	--	1x300 TPD	108,000	1x300 TPD	108,000	--
6.	Briquette Plant	--	--	--	--	--	--	--	--	1x 25 TPH	150,000	1x 25 TPH	150,000	--

5. The EAC, in its meeting held during 16-17th January, 2023, inter-alia, deliberated the following:

- i. The instant proposal is revised for amalgamation of two Environment Clearances [EC of M/s Hira Concast Ltd. transferred in the name of M/s Eloquent Steel Pvt. Ltd on 15.10.2020 vide J-11011/49/2010-IA.II(I) and EC of M/s Impex Steel Ltd. transferred in the name of M/s Eloquent Steel Pvt. Ltd on 15.10.2020 vide F.No. 11011/188/2011-IA.II(I)] and seeking modification cum expansion for production of 336,000 TPA Billets through modification of existing 4x7 Ton Induction Furnace to 4x8 Ton, installation of new 2x8 Ton Induction Furnace with 1x8Ton LRF & 2x4/7m CCM and 2x25Ton Induction Furnaces with 1x25Ton LRF & 3x6/11m CCM and production of 210,000 TPA MS Rolled products (Long products- TMT Bar, MS Round & Wire Rod) by installation of 600TPD Rolling Mill along with 1x25TPH Reheating Furnace. Also, 1x25TPH Briquette plant for production of 150,000TPA Chrome

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Ore Briquettes, 1x300TPD Sinter Plant for production of 108,000TPA Iron Ore Sinter are also proposed under the proposed expansion with addition of “Pig Iron’ as product from the existing 3x7.5 MVA + 1x5.5 MVA Submerged Arc Furnaces with maximum production capacity of 76,400 TPA within the existing premises of 9.089 Ha (22.46 acres).

- ii. The existing project has been acquired by M/s Eloquent Steel Pvt. Ltd. (ESPL) by acquiring two adjacently located Steel Plants of M/s Hira Concast Ltd. and M/s Impex Steel Ltd. EC of M/s Hira Concast Ltd. was transferred in the name of M/s Eloquent Steel Pvt. Ltd on 15.10.2020 vide J-11011/49/2010-IA.II(I) and EC of M/s Impex Steel Ltd. was transferred in the name of M/s Eloquent Steel Pvt. Ltd on 15.10.2020 vide F.No. 11011/188/2011-IA.II(I).
- iii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
- iv. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
- v. The Committee noted that the revised EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- vi. The total project area is 9.089 ha which is a private land. No additional land required for the project. Land has already been acquired and under the possession of the company.
- vii. Dendua (0.03 Km) and Salanpur (1.4 Km) villages are in the vicinity of the project site.
- viii. The water requirement is estimated to be 1970 KLD which will be sourced from Maithon Reservoir.
- ix. Barakar river and Maithon Dam exists adjacent to the project site. The water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.
- x. The Committee has found that the baseline data and incremental GLC due to the proposed project within NAAQ standards.
- xi. PP reported that existing green belt has been developed in 3.0 Ha, area which is about 33% of the total project area of 9.089ha with total sapling of 7150 trees. Total no. of 600 saplings of local and native species will be planted in 1 year for gap filling so as to increase the tree density to 2500 trees/ha. The Committee deliberated on the action plan and budget allocation for green belt development and found it satisfactory.
- xii. The Committee deliberated upon the certified compliance report of IRO and its ATR and found it satisfactory.

- xiii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- xiv. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xv. The Committee also deliberated on the earlier written submission of PP on the issues raised by EAC during meeting and found it satisfactory.
- xvi. The EAC also warned the Consultant to be careful while submitting the information.
- xvii. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- xviii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
- xix. The EAC noted that there is typing error in the EIA/EMP Report w.r.t. STP and advised the Consultant [M/s. Vardan Environet] to read the Report before uploading on Parivesh Portal as the whole process is online. In this context, the Consultant, vide email dated 31.08.2022, submitted that at page 141 in EIA report it is mistakenly typed as STP. The Consultant will make sure that these typographical errors are not repeated again in any further documents. The EAC deliberated the same.
- xx. The EAC deliberated the reply of Consultant and directed the Consultant that they should be aware about all the procedure and provisions of the EIA Notification, 2006 and various OMs/Guidelines issued under the Notification of 2006.

6. The EAC, in its 21th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 16-17th January, 2023, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

7. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s Eloquent Steel Private Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific Condition:

- i. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations

made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

- ii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iii. Barakar river and Maithon Dam exists adjacent to the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- iv. Performance test shall be conducted on all pollution control systems every half-yearly and report shall be submitted to Regional Office of the MoEF&CC.
- v. Solid waste utilization
 - a. PP shall install a fly ash brick making plant.
 - b. PP shall recycle/reuse 100 % solid waste generated in the plant.
 - c. Used refractories shall be recycled as far as possible.
- vi. Particulate matter emission from stacks shall be less than 30 mg/Nm³. Action plan in this regard shall be strictly implemented.
- vii. 85-90 % rolling shall be done by direct hot charging. Balance 10-15 % may be done through RHF using LDO as fuel.
- viii. The water requirement of 2140 KLD will be sourced from Maithon Reservoir. GW abstraction is not permitted.
- ix. The PP shall also undertake rain water harvesting measures as per the plan submitted in the EIA/EMP report and reduce water dependence from the outside source.
- x. Dendua (0.03 Km) and Salanpur (1.4 Km) villages are in the vicinity of the project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The PP shall also include these locations in its environmental monitoring programme.
- xi. As committed by the PP to adopt Nakrajoria Village under Dendua Village Panchayat, project proponent shall prepare and implement a robust plan to develop them into model villages in next 10 years.
- xii. SAFs shall have 4th hole extraction system for fume pollution control.
- xiii. Fe-Cr slag shall be subjected to TCLP to finalize if it could be used for construction or should be sent to TSDF.
- xiv. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
- xv. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- xvi. Three tier Green Belt shall be developed in at least 33% in a time frame of one year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- xvii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

- xviii. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant of required capacity. As committed, suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- xix. All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have provision of garland drains and catch pits to trap run off material. Action plan submitted in the EIA/EMP Report shall be strictly implemented.
- xx. No parking on road side for any vehicle pertaining to the plant. Proper arrangement for vehicle parking within the plant will be made.
- xxi. All the commitments made to the public during the Public Hearing/Public Consultation shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- xxii. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- xxiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (Integrated iron & Steel) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- v. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

IV. Noise monitoring and prevention

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

- i. Used refractories shall be recycled.



- ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- ii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.
- iii. The Unit is using quartzite and coke and sought EC for expansion for alloy production. Therefore, the industry is recommended to measure silica and coal dust exposures using personal and area air samplers in process plants and to be compared with Permissible exposure limits as per Indian Factories Act, 1948. Report to be submitted to the IRO, MoEFCC.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 - iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 - v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vii. The project proponent 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, commencing the land development work and start of production operation by the project.
 - viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
 - x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - xi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
9. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
11. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary

Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

12. This issues with approval of the competent authority.



(Dr. R. B. Lal)
Scientist 'F'/ Director
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Encl. as above at Annexure –I

Copy to: -

1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
4. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, IB-198, Sector-II, Salt Lake City, Kolkata – 700106
5. The Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
6. The Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata – 700 098.
7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
8. The Monitoring Cell, IA Division, Ministry of Environment, Forest and Climate Change, New Delhi
9. District Collector, Paschim Burdwan, District, West Bengal.
10. Guard File/Monitoring File/Website/Record File/Parivesh Portal.



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Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No.	Activities	Physical Targets	Year of Implementation (Budget in INR)			Total Expenditure (Rs.)
			1 st Year	2 nd Year	3 rd Year	
1	Establishment of Mechanical Tool Training Centre at Eloquent Steel Pvt Ltd. at Village: Nakrajoria, P.O.: Salanpur, District: Paschim Burdwan, West Bengal	Construction of Mechanical Tool Room	10,00,000	--	--	50,00,000
		Establishing Mechanical Tool Room by procuring Lathe M/cs, Shaping M/c, Drill M/c and Welding M/c	--	20,00,000	20,00,000	
2.	Procurement Water Tanker for water sprinkling on road.	Purchase of 2 No. of water tanker having water sprinkling system which will sprinkle water on the Kalyaneshwari Dendua road on daily basis as per requirement.	12,00,000	12,00,000	--	24,00,000
3	Village Road Maintenance at Nakrajoria	Road maintenance shall be done at Nakrajoria village of Dendua Village Panchayat	2,00,000	2,00,000	2,00,000	6,00,000
4.	Avenue plantation in vacant area available in surrounding villages under social forestry	Plantation of 2000 trees at available area in the Government Schools, Panchayat Office, govt. hospitals, community centers etc in village: Nakrajoria, No. of Plants: 2000	--	10,00,000	--	10,00,000
5.	Socio-economic development in Dendua Village Panchayat					
i	Renovation of Primary School in Nakrajoria village of Dendua Village Panchayat with necessary infrastructure development for quality education.	Civil & Construction work for Class Room, providing necessary furniture, development of playground, and Painting/Coloring of building	10,00,000	--	--	24,50,000
		Providing Sports Material, computers and white boards and library materials.	--	5,00,000	--	
		Providing relevant Cupboards, Furniture, Computer sets and relevant accessories	--	--	5,00,000	
		Distribution of study materials to needy students.	1,00,000	1,00,000	1,00,000	
		Offering scholarship to meritorious students	50,000	50,000	50,000	
ii	Providing dedicated Ambulance to meet any health emergency situation in Dendua & Nakrajoria villages.	Providing Ambulance and equipments & machineries of Ambulance	--	--	12,00,000	12,00,000
iii	Installation of 5 Hand pumps at different location in Nakrajoria village under Dendua village panchayat.	Installation of 5 Hand pumps at different location Nakrajoria village under Dendua village panchayat.	40,000	40,000	20,000	1,00,000

S. No.	Activities	Physical Targets	Year of Implementation (Budget in INR)			Total Expenditure (Rs.)
			1 st Year	2 nd Year	3 rd Year	
iv	3 Water Purification unit at Primary school, Govt Hospital, Panchayat office, etc in Dendua village panchayat area.	3 Water Purification unit at Primary school, Panchayat office, etc. in Dendua Village Panchayat area.	50,000	50,000	50,000	1,50,000
v	Drainage system for sanitation in the village Nakrajoria of Dendua Village Panchayat	Roadside and street drain shall be made for sanitation in the village Nakrajoria of Dendua Village Panchayat	2,00,000	2,00,000	2,00,000	6,00,000
vi	Installation of 20 Solar powered Street Lights in Dendua Village Panchayat area.	Installation of 20 Solar street lights in Nakrajoria village of Dendua village panchayat.	--	4,00,000	4,00,000	8,00,000
vii	Renovation of Pond located at Nakrajoria Village and in Dendua Village panchayat area	Renovation/beautification of village pond along with making bathing ghat at Nakrajoria Village and in Dendua Village panchayat area to facilitate natural ground water recharge.	5,00,000	5,00,000	5,00,000	15,00,000
Viii	Construction of Separate Toilet for girls and boys in the Primary School	Construction of Separate Toilet for girls and boys in the Primary School of Nakrajoria village.	4,00,000	--	--	4,00,000
ix	Plantation of trees along the Kalyaneshwari Dendua road to act as barrier for the dust arising from the movement of heavy vehicles on road and enhance the green cover	Plantation of 500 number of plants on each side of road covering 1.5km stretch	5,00,000	--	--	18,00,000
		Plantation of 1500 number of plants on each side of road covering remaining 3.84 km stretch	--	13,00,000	--	
Grand Total in Rs.			52,40,000	75,40,000	52,20,000	1,80,00,000

Signature Not Verified

Digitally signed by Dr. R. B. Lal
Scientist F

Date: 3/16/2023 3:36:54 PM