

ENVIRONMENTAL
CLEARANCE



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Bihar)

To,

The Director
DINA IRON AND STEEL LIMITED
Abdul Rehmanpur Road, Didarganj, Patna City, Patna, Bihar -800009

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 SEIAA vide proposal number SIA/BR/IND/53693/2020 dated 17 Jan 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22B008BR110970 |
| 2. File No. | SIA/3(a)/1233/2020 |
| 3. Project Type | Expansion |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 6. Name of Project | Dina Iron and Steel Limited (Expansion Project) Mauza- Abdul Rahamapur, Tehsil - Patna City, District- Patna City, State- Bihar |
| 7. Name of Company/Organization | DINA IRON AND STEEL LIMITED |
| 8. Location of Project | Bihar |
| 9. TOR Date | 07 Aug 2020 |

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

Date: 03/03/2022

(e-signed)
Mr. Sudhir Kumar
Member Secretary
SEIAA - (Bihar)

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.

This is a computer generated cover page.

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, BIHAR

F. No.:- SIA/3(a)/1233/2020

Sub: **Proposed Metallurgical industries (ferrous & non ferrous) at Village:- Abdul Rahamapur, Mauza:- Abdul Rahamapur, Tehsil:- Patna City, District:- Patna, State:- Bihar; by M/s Dina Iron and Steel Limited (Expansion Project with proposed production capacity of 34,560 TPA of MS Ingots and 1,05,800 TPA of TMT BARS) - Environmental Clearance regarding.**

- Reference:-**
1. MoEF&CC Proposal No. - SIA/BR/IND/53693/2020 & SEIAA File No.- SIA/3(a)/1233/2020.
 2. Your application dated 05-08-2020 and 17-01-2022 (hard copy submission).
 3. Minutes of the SEAC meeting held on 18-08-2020 (for ToR) and 29-01-2022 (for EC).
 4. Minutes of the SEIAA meeting held on 15-09-2020 (for ToR) and 18-02-2022 (for EC).

Sir,

This has reference to your online application for the above proposal of M/s Dina Iron and Steels Limited for Metallurgical industries of Dina Iron and Steels Limited (Expansion Project) at Mauza:- Abdul Rahamapur, Tehsil:- Patna City, District:- Patna, State:- Bihar. The details of the projects are as follows:-

Sl. No.	Item	Details
1.	Name of the project	Proposed Metallurgical industries (ferrous & non ferrous) at Village:- Abdul Rahamapur, Mauza:- Abdul Rahamapur, Tehsil:- Patna City, District:- Patna, State:- Bihar; by M/s Dina Iron and Steel Limited
2.	S. No. in the Schedule	3(a)
3.	Type of Project	Metallurgical Industries (Ferrous and Non-Ferrous)
4.	Brief description of nature of the project	The existing plant is having production capacity of 24,240 TPA of ingots. The furnace capacity is planned to modify to a single furnace of 12 TPH and its final output capacity will be 34,560 TPA. The existing production capacity of the rolling mill is 24,240 TPA and the proposed production

5

		capacity is 1,05,800 TPA.
5.	Total Plant Area	74,600 m ² (07.46 Ha).
6.	Total Green Belt Area	24,618 m ² (33% of the total plant area)
7.	Location of the Project	Village:- Abdul Rahamapur, Mauza:- Abdul Raharnapur, Tehsil:- Patna City, District:- Patna, State:- Bihar
8.	Geo-Coordinates of the project	
9.	Proposed capacity of the project	96 MT/day productions (34,560 MT/Annum)
10.	Raw Material requirement	Existing - 85 MT/day Proposed - 125 MT/day Total - 210 MT/day
11.	Induction Furnace	Existing - 2 x 8 MT/heat Proposed - 12 MT/heat (after dismantling existing furnace) Total - 2 x 12 MT/heat
12.	Ingot production	Existing - 70 MT/day (24,240 TPA) Proposed - 96 MT/day (34,560 TPA) Total - 166 MT/day (58,800 TPA)
13.	Nearest River	River Ganga - 500 Meters River Punpun - 3,000 Meters towards East.
14.	Water Requirement	05 KLD water will be used during operational phase for domestic purpose
15.	Source of Water	Groundwater through own Borewells
16.	Power Requirement	Total Power loads 12,355 KVA to run the additional plant & machinery during Construction and Operational Phase.
17.	Source of Power	South Bihar Power Distribution Corporation Limited.
18.	Power Backup	02 No of DG set will be installed. (02 x 125 KVA)
19.	Waste Water	Domestic waste water generated will be sent to septic tank followed by soak pit, hence no generation of sewage. Rest of water quantity shall be recalculated for cooling purpose in project activity. The water makes up water used for cooling purposes in coils shall be used after softening.
20.	Total Cost of Expansion Project site	Total Project Cost - ` 06,10,00,000/- Environment Monitoring Cost Capital cost - ` 63,00,000/- Recurring cost - ` 13,00,000/-

PREMISES OF THE ENVIRONMENTAL CLEARANCE

This Environmental clearance is being issued on the following premises which have been substantiated / described in detail in the format of application along with enclosed affidavits / certificates / undertakings etc. furnished therewith by the project proponent:-

- (i) Information provided, descriptions mentioned are complete, true and actual and no relevant fact has been concealed to obtain Environmental Clearance deceitfully by the project proponent.

5

- (ii) Project Proponent shall intimate SEIAA immediately if there is any change in their official address / E-mail / Ph. No / Cell. no. etc failing which communication sent to them on old address shall be considered as delivered.
- (iii) Environmental Clearance shall be liable to be revoked if furnished information provided description / Certificates / Affidavits / Undertaking etc. are found false / concocted at any stage of its validity.
- (iv) This Environmental Clearance is issued without affecting any court order / statutory other institutions as well as relevant other laws enacted by MoEF&CC, GoI, New Delhi.

I. Statutory compliance:

1. The Project Proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
2. The Project Proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
3. The Project Proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

1. The Project Proponent shall install 24x7 emission monitoring system ensuring 98% data upload at process stacks to monitor stack emission with respect to standards prescribed in Environment(Protection) Rules 1986 vide G.S.R. 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants 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.
2. 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.
3. The Project Proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120⁰ each), covering upwind and downwind directions. (case to case basis small plants: Manual; large plants: Continuous)

5

4. The Project Proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emissions to Regional Office of MoEF&CC/SEIAA, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The Project Proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8. 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.
9. The Project Proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
10. The Project Proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
11. The Project Proponent shall provide primary and secondary fume extraction system at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
13. Fixing water sprinklers in plant campus, and use water tanker for sprinkling water on approach road of the unit at least twice daily or as per requirement to minimize air pollution due to dust
14. Mist spraying system for dust suppression in the campus.

III. Water quality monitoring and preservation

1. 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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
2. The Project Proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC/SEIAA, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
3. Adhere to 'Zero Liquid Discharge'.

4. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
5. 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.
6. 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.
7. The Project Proponent shall practice rainwater harvesting to maximum possible extent.
8. The Project Proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

1. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.
2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB (A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

1. The Project Proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets/blooms as far as possible.
3. Ensure installation of regenerative type burners on all reheating furnaces.
4. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
5. Provide the Project Proponent for LED lights in their offices and residential areas.

VI. Waste management

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed dried, and briquetted and reused melting Furnaces.
3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office and SEIAA, Bihar.

13

4. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.
5. Kitchen waste shall be composted or converted to biogas for further use. *(to be decided on case to case basis depending on type and size of plant)*

VII. Green Belt

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The green belt shall inter alia cover the entire periphery of the plant.
2. The Project Proponent shall prepare GHG emissions inventory for the plant and shall submit the action plan for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. 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.
3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility

1. The Project Proponent shall comply with the provisions contained in this Ministry's OM vide F.NO. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved 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.

13

The copy of the board resolution in this regard shall be submitted to the SEIAA, Bihar as a part of six-monthly report.

3. 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 report to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA, Bihar / Regional Office of MoEF&CC along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third par environmental audit shall be carried out.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Special Conditions

1. Regular water sprinkling shall be done on peripheral roads used for transportation of raw material and finished products within 1 KM from the proposed plant boundary to minimize air pollution during operation phase.

XI. Miscellaneous

1. 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.
2. Entry inside the plant premises to all the workers/supervisor/Manager shall only be given after having all personal protective gears.
3. The Project Proponent shall maintain regularly the material balance and shall report and shown as and when asked for.
4. 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.

3

5. 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.
6. The Project Proponent shall monitor the criteria pollutants level namely; PM_{2.5}, PM₁₀, SO₂, NO_x (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.
7. 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.
8. The Project Proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board/SEIAA as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9. The Project Proponent shall inform the Regional Office as well as the SEIAA/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.
11. The Project authorities must strictly adhere to the stipulations made by the State Pollution control Board and the State Government.
12. 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 State Expert Appraisal Committee.
13. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.
14. Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
15. The SEIAA, Bihar may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
16. The SEIAA, Bihar reserves the right to stipulate additional conditions If found necessary. The Company in a time bound manner shall implement these conditions.
17. The Regional Office of this MoEF&CC/SEIAA 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.
18. 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 Trans boundary 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 Low relating to the subject matter.

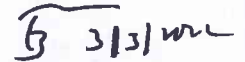
19. The Environmental Clearance shall remain valid for seven years from the date of its issuance.
20. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Sd/-

(Sudhir Kumar)
Member-Secretary
SEIAA, Bihar

Copy, through email, for information and necessary action to :-

1. Hon'ble Minister, Environment, Forest and Climate Change Deptt., Govt. of Bihar, Patna.
2. The Principal Secretary, Environment, Forest and Climate Change Deptt., Govt. of Bihar, Sinchai Bhawan, Patna - 15.
3. The Principal Secretary, Industries Deptt., Govt. of Bihar, Patna.
4. The Chairman, SEAC, Bihar.
5. The Member Secretary, Bihar State Pollution Control Board, Patna-23.
6. RO, Regional office, MoEF&CC, Bungalow No. A - 2, Shyamali Colony, Doranda, Ranchi - 834002.
7. Guard file.



(Sudhir Kumar)
Member Secretary,
SEIAA, Bihar