



F. No. - SIA/3(a)/429/17
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
BIHAR

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Dated:- 24/08/2018.

To,

M/s Balajee Mini steels & Re-Rolling Pvt. Ltd,
Shri Pradip Kumar Sahewal,
(Director),
603, Shantikunj Apartment,
Chhajubagh, Patna,
Pin:- 800 001.
E-mail: [balajee ec@rediffmail.com](mailto:balajee_ec@rediffmail.com)
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Sub: Metallurgical industries of Balajee Mini Steel & Re-rolling Pvt. Ltd. at Mauja – Mahedopur, Phulari, Tehsil – Bihta, District – Patna with total production of 58,500 TPA in the proposed production of 29,250 TPA.) Environment Clearance regarding.

Reference:- Online Application - SIA/BR/IND/18154/2017.

Dear Sir,

This has reference to your online application for the above proposal of M/s Balajee Mini steels & Re-Rolling Pvt. Ltd., for Metallurgical industries of Balajee Mini Steel & Re-rolling Pvt. Ltd. at Mauja – Mahedopur, Phulari, Tehsil – Bihta, District – Patna. The details of the projects are as follows:-

Sl. No.	Item	Details																												
1.	Name of the project	Balajee Mini Steels and Rerolling Pvt. Ltd., (Unit – 2 (Existing 29250 TPA and Proposed 29250 TPA MS Ingot Production)																												
2.	Total Plant Area	2.22 Ha																												
3.	Proposed Expansion of the project	29,250 TPA																												
4.	Geo-Coordinates of the project	Latitude - 25° 34' 42.52" N Longitude - 84° 51' 57.31" E																												
5.	Total Capacity of the Project	58,500 TPA																												
6.	S. No. in the Schedule	3(a)																												
7.	Type of Project	Metallurgical Industries (Ferrous and Non-Ferrous)																												
8.	Location of the Project	Khata No.:- 94, 109, Plot No.- 2611, Village:- Mahadeopur Phulari, Tehsil:- Bihta, District:- Patna, State:- Bihar,																												
9.	Nearest railway station	Bihta Railway Station, 2 Km towards South.																												
10.	Nearest Airport	Jai Prakash Narayan International Airport, Patna																												
11.	Nearest Highway	NH – 30																												
12.	Nearest Water-bodies	Sone River 6 km. towards West.																												
13.	Land Utilization	Total Area – 2.22 Ha <table border="1"><thead><tr><th>Land Utilization</th><th>Existing (Ha.)</th><th>For Expansion (Ha.) (From existing land)</th><th>TOTAL after Expansion (Ha.)</th></tr></thead><tbody><tr><td>Main Plant</td><td>0.63</td><td>0.19</td><td>0.82</td></tr><tr><td>Storage Area</td><td>0.15</td><td>0.25</td><td>0.4</td></tr><tr><td>Utilities and Office Area</td><td>0.15</td><td>0</td><td>0.15</td></tr><tr><td>Green Belt Area</td><td>0.36</td><td>0.37</td><td>0.73</td></tr><tr><td>Unused Vacant Space</td><td>0.93</td><td>0</td><td>0.12</td></tr><tr><td>TOTAL</td><td>2.22</td><td>0.81</td><td>2.22</td></tr></tbody></table>	Land Utilization	Existing (Ha.)	For Expansion (Ha.) (From existing land)	TOTAL after Expansion (Ha.)	Main Plant	0.63	0.19	0.82	Storage Area	0.15	0.25	0.4	Utilities and Office Area	0.15	0	0.15	Green Belt Area	0.36	0.37	0.73	Unused Vacant Space	0.93	0	0.12	TOTAL	2.22	0.81	2.22
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14.	Solid Waste Generation	6,000 TPA																												
15.	Total Water Requirement	82.5 KLD																												
16.	Project Cost of Project site	Total Project Cost - ₹ 3,93,00,000/-																												

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 E.C. deceitfully by the project proponent.
- (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) EC 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 EC is issued without affecting any court order / statutory other institutions as well as relevant other laws enacted by MoEF&CC, GoI, New Delhi.

Statutory Compliance:

- i. 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.
- ii. 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.
- iii. The Project Proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

Air Quality monitoring and preservation

- i. The Project Proponent shall install 24X7 continuous emission monitoring system 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. No.- 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 systems from time to time according

- to equipment supplier specification through labs recognised 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 a every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - iii. The Project Proponent shall install system carryout Continuous Air Quality monitoring for common/criteria parameters relevant to the main pollutants released (eg. PM₁₀ and PM₂₅ in reference to PM emission, SO₂ and NOX in reference to SO₂ and NOX emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case small plants: Manual; Large plants: Continuous).
 - iv. The Project Proponent shall submit monthly summary report of continuous stack emission and air quality and results of manual stack monitoring and manual monitoring of air quality/fugitive emission to SEIAA, Bihar; Regional Office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.
 - v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generation points including fugitive dust from all vulnerable sources.
 - vi. The Project Proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
 - vii. Sufficient number of mobile or stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roof, regularly.
 - viii. Recycle and reuse iron fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration).
 - ix. The Project Proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
 - x. The Project Proponent shall provide covered sheds for raw materials like scraps and sponge iron, lump ore, coke, coal, etc.
 - xi. The Project Proponent shall provide primary and secondary furnace extraction system at all melting furnaces.
 - xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
 - xiii. Project proponent shall install mist spraying system for dust suppression inside factory premises.

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 (applicable to IF/EAF) as amended from time to time; S.O. No.- 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 systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants : Manual; Large plants: Continuous)
- ii. The Project Proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) and sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. 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, Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. The Project Proponent shall provide the ETP for effluents to rolling units to meet the standards prescribed in G.S.R. 277 (E) 31st March, 2012 (applicable to IF/EAF) as amended from time to time.
- vii. 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.
- viii. The Project Proponent shall practice rainwater harvesting to maximum possible extent.
- ix. 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.

Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regards shall be submitted to Regional Officer of Ministry as a part of six-monthly compliance report.

- ii. The ambient noise levels should conform to the standards prescribed under Environment (Protection) Act Rules, 1986 viz 75 dB(A) during day time and 70 dB(A) during night time.

Energy Conservation measures

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

Waste Management

- i. Used refractories shall be recycledx as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused in melting Furnaces.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufactures for further utilization and Memorandum of understanding in this regards shall be submitted to the Ministry's Regional Office.
- iv. The waste oil and greases and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- v. Kitchen waste shall be composed or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)

Green Belt

- i. 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 greenbelt shall inter alia cover the entire periphery of the plant.
- ii. The Project Proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- iii. Parking & road will not come up in green belt area.

Public hearing and human health issues

- i. Emergency preparedness plan based on the Hazards 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.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as clean fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

Corporate Environment Responsibility

- i. The Project Proponent shall comply with the provisions contained in this Ministry's O vide F. No. 22-65/2017-IA.III dated 1st May, 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. 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 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 personal shall be set up under the control of senior Executive, who will directed to the head of the organization.
- iv. Action plan for implementation of EMP and Environment conditions along with responsibility matrix of the company shall be prepared and shall be dully approved by competent authority. The year wise funds earmarked for Environmental Protection measures shall be kept in separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA, Bihar / Ministry / Regional Office along with the Six-Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.


- vii. The Project Proponent shall deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of Bank Guarantee, from a nationalized bank, pledged in the name of SEIAA, Bihar, Patna. CSR activity of the Project Proponent should be measurable and quantifiable, and it should be visible even after the completion of the project. Such as arrangement of drinking water, toilets, fruit bearing orchards, vocational training, supply of ambulance to nearby hospitals, etc.

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 newspaper 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 Clearances shall be submitted by the Project Proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the 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 undertake upgradation/improvement of old infrastructure requiring thorough repair of entrance, main factory-shed, floor of the factory and basic facilities for workers supervisor, manager etc. as required by labour Law.
- iv. Entry inside the plant premises to all the Worker / Labours / Supervisor / Manager shall only be given after having all personal protective gears.
- v. The Project Proponent shall upload the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi. The Project Proponent shall monitor the criteria pollutants level namely; 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.
- vii. 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.
- viii. 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.

- ix. The project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year till validity period of Environmental Clearance (to the SEIAA, Bihar, Regional Office of MoEF&CC at Ranchi, Bihar State Pollution Control Board)
- x. The Project Proponent shall inform the SEIAA, Bihar/Regional Office of MoEF&CC, Ranchi 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.
- a. The Project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State Government.
- b. 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.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA, Bihar.
- xii. Environmental clearance be valid for a maximum period of 7 years.
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attracts action under the provisions of Environment (Protection) Act, 1986.
- xiv. The SEIAA, Bihar may revoke or suspend the Clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The SEIAA, Bihar reserve the right to stipulated additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The SEIAA, Bihar/Regional office of the Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the SEIAA, Bihar / Regional Office by furnishing the requisite data / information / monitoring reports.
- xvii. 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 Liabilities Insurance Act, 1911 along with their amendments and Rules and any other orders passed by the Hon'able Supreme Court of India/High Courts and any other Court of Laws relating to the subject matter.

- xviii. Any appeal against this EC 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.


(Surendra Singh)
Member-Secretary
SEIAA, Bihar

Member Secretary
SEIAA, BIHAR