



**State Level Environment Impact Assessment Authority, Jharkhand.**

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Ranchi, Date: 25.08.15

To: **Sri Nawal Kumar Kanodia,**  
**Managing Director,**  
**603- Shantikunj Apartment, Chhajju Bagh, Patna,**  
**District- Patna, Bihar.800001**

Sub.: Environmental Clearance for the project “Screening & Scoping of Expansion Project of M/S Balmukund Sponge & Iron Ltd. at Village-Manjhiladih, Tehsil- Giridih, Dist.- Giridih, Jharkhand”.

Sir,

It is in reference to the project “Screening & Scoping of Expansion Project of M/S Balmukund Sponge & Iron Ltd. at Village-Manjhiladih, Tehsil- Giridih, Dist.-Giridih, Jharkhand” submitted by you for seeking prior Environmental Clearances (EC).

The proposal was appraised by State Level Expert Appraisal Committee (SEAC) and recommended for grant of Environmental Clearance in its meeting held on 03<sup>rd</sup> to 06<sup>th</sup> August, 2015.

M/S Balmukund Sponge Iron Limited at present operates Mini Blast Furnace Unit 110 TPD, Induction Furnace of 60 TPD capacity each, & Rolling Mill of capacity 50 TPD and Ferro Alloy Plant 35 TPD at Vill.-Manjhiladih, Tehsil- Giridih, Dist.-Giridih, Jharkhand and has received Consent to Operate from Jharkhand State Pollution Control Board vide Letter No. PC/Air/HBG/B-60/07/D-436(C), dated 18/02/2014. They now propose to install Iron Ore Beneficiation plant 94000TPA by 2x7 MT, 1x15 MT Induction Furnace with 2 strand of Continuous Casting Machine. No extra land is required for the proposed expansion. (Existing: 26.354 Acres and Additional area: Nil).The latitude and longitude of the project site is 24° 07' 14.03" N and 86°21' 16.31" E respectively. No Forest land is involved. No national park/wild life sanctuary/ecologically sensitive area located within 10 km radius of the project site. The cost of the project is Rs. 19 Crores.

The status of existing and proposed expansion units are as given below:-

**Existing Units :-**

S. No.	Plant details	Capacity (TPD)
1.	Mini Blast Furnace	110 TPD
2.	Induction Furnace Unit	60TPD
3.	Rolling Mil	50 TPD
4.	Ferro Alloys Plant	35 TPD

**Proposed Units**

S. No.	Plant details	Capacity
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1.	Steel Melting shop (Induction Furnace with 2 strand CCM)	290 TPD (2 X 7 MT, 1 X 15 MT)
2.	Iron Ore Beneficiation	94000 TPS (throughput)

State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its meeting held on 22.08.2015 discussed the project proposal along with recommendations made by SEAC and decided to grant EC to the project.

Following the decision of SEIAA, as mentioned above, Environmental Clearance is hereby issued to the project "**Screening & Scoping of Expansion Project of M/S Balmukund Sponge & Iron Ltd. at Village-Manjhiladih, Tehsil- Giridih, Dist.-Giridih, Jharkhand**" alongwith the following conditions-

#### A. Specific Conditions

1. This Environmental Clearance is valid subject to the following condition below –

That this project has-

- a. Obtained all legal rights to operate at concerned place.
- b. Complied with all existing concerned laws of the land and
- c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.

2. A matter in the context of Environmental Clearance to Chururia Sand Ghat in Barakar River of M/S Starnet Marketing Pvt Ltd at Village- Chururia, Ghurnbeda&Daldali, P.S- Tundi, District- Dhanbad, Jharkhand (14.30 Ha) has come to the notice of SEIAA in which mining lease has been granted by the Mining department on such a piece of Land in which two plots have been found within the forest area and this has also come to the notice of SEAC during examination of the records submitted by the concerned proponent .

SEIAA in it's 35<sup>th</sup> meeting dated 13.08.2015 decided that SEAC will considered after taking undertaking from the proponent about the distance from forest boundary to avoid the delay in obtaining the certificate of D.F.O.

But as matter mentioned in para 1 it has come to the knowledge of SEIAA that if the undertaking given by the proponent is found to be wrong and if the mining Lease granted by the Department of Mines and Geology in such an area where the land or any part of it under lease is found at any level or by any authority to be inside notified forest or demarcated forest or Jungle Jhari area (as recorded in revenue records). SEIAA decides that the E.C. issued will be treated as invalid / cancelled with immediate effect.

SEIAA decides that this condition will apply in all the similar cases in which E.C. has already been issued earlier

3. Efforts shall be made to reduce RSPM (PM 10) levels in the ambient air and a time bound action plan shall be submitted. This shall cover the existing and proposed units.
4. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
5. Separate swiveling hoods will be installed for fume extraction and dust laden gases will be passed through spark arrestor, bag filter for cleanup of particulate matter to concentration below 100 mg / MM before release to the atmosphere through the stack.
6. Iron Ore Beneficiation Plant : Water sprinkling, dry fog system will be provided at feeding and transfer points.

7. Electrostatic precipitator (ESP), dust catcher, bag filters etc. shall be provided to keep the emission levels within 50 mg / Nm<sup>3</sup> and by installing energy efficient technology.
8. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16<sup>th</sup> November, 2009 should be followed.
9. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414 (E) dated 30<sup>th</sup> May, 2008 and regularly Monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
10. Hot gases from Rotary kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solid and After Burning Chamber (ABC) to burn CO completely. The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack. The water consumption shall not exceed as per prescribed standards for the steel plants.
11. Total requirement of the water shall not exceed 165 m<sup>3</sup> /day during operation i.e. during monsoon months. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
12. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Rain water harvesting as proposed in the Report will be implanted in two nearby villages. The scheme has to be got approved from Ground Water Directorate, Government of Jharkhand / Central Ground Water Authority / Board.
13. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
14. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash and washery rejects shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
15. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
16. As proposed, green belt shall be developed in 33% of plant area within and around the project site to mitigate the impact of fugitive emissions as per the CPCB guidelines in consultation with local DFO.
17. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the various Plants Units shall be implemented.

18. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the JSPCB within 3 months of issue of environment clearance letter.
19. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.
20. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

#### **B. General conditions**

1. The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State / Central Government Departments.
2. No change in process technology should be made without prior approval of the Statutory authorities, Jharkhand State Pollution Control Board, Ranchi during the EC period.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The gaseous emissions from various process units shall conform to the load / mass based standards notified by this Ministry on 19<sup>th</sup> May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
5. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM 10, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with JSPCB. Data on ambient air quality and stack emission shall be regularly submitted to SEIAA / JSPCB once in six months.
6. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
7. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nithtttime).
8. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
9. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
10. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.
11. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

12. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
13. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
14. Dispensary facilities for First Aid shall be provided at site.
15. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
16. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi .
17. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
18. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
19. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
20. A copy of the clearance letter shall be sent by the project 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 website of the Company by the project proponent.
21. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
22. All statutory clearances shall be obtained before start of plant operations.

**C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for a period of five (5) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.

3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. 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.



Member Secretary

State Level Environment Impact  
Assessment Authority, Jharkhand.