

F. No. IA-J-11011/554/2017-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
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Dated: 26th July, 2021

To

Shri. Madhur Agarwalla,
Director,
M/s. Maithan Steel & Power Limited,
9, AJC Bose Road, Ideal Centre, 6th Floor,
Kolkata, West Bengal-700017
Email: madhur@maithangroup.com; Tel: 033 39877200

Subject: Expansion of the existing 0.064 MTPA Sponge Iron to 0.17 MTPA Sponge Iron, 2x9 MVA Arc Furnace for manufacturing of Ferro Alloys of 30,000 TPA (Fe-Mn, Si-Mn, Fe-Si & Pig Iron combined), Iron Ore Sinter Plant of 80,000 TPA, 1x40 TPH Iron ore washery of 2,40,000 TPA and 20 MW Power Plant [WHRB – 12 MW & AFBC – 8 MW] by **M/s. Maithan Steel & Power Limited** located at PO Bonra, PS Neturia, **Purulia District, West Bengal – Environment Clearance – regarding.**

Sir,

This refers to your proposal no. **IA/WB/IND/70780/2017** received on **09/01/2020** and subsequent additional information provided vide letter dated 14/05/2021 through Parivesh Portal for grant of **Environment Clearance (EC)** for the project mentioned above.

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 and Non-ferrous)**' of the Schedule to said Notification and appraised at **Central level.**
3. Accordingly, the above-mentioned proposal has been considered by the EAC of **Industry 1** in its **16th meeting held on 24-25th February, 2020 and 38th meeting held on 15-16th June, 2021.** 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 report submitted by the proponent. The salient features of the expansion proposal as presented during the above-mentioned meetings of EAC (Industry 1) are as under: -

S.No.	Particulars	Details
a.	Terms of Reference for undertaking EIA study	25/01/2018
b.	Period of baseline data collection	December 2017 to February 2018

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S.No.	Particulars	Details
c.	Date of Public Consultation	11/01/2019
d.	Action plan to address the PH issues	An amount of Rs. 149 lakhs have been earmarked to address the issues raised during public hearing. Detailed action plan furnished in the Chapter 7 of the final EIA report.
e.	Location of the project	P.O. Bonra, PS Neturia, Purulia District, West Bengal.
f.	Latitude and Longitude of the project site	Latitude: 23° 37' 53.85" N to 23° 38' 06.35" N Longitude: 86° 50' 08.10" E to 86° 50' 12.7" E
g.	Total land	13.78 ha
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	13.78 ha land acquired and under the possession of the project proponent.
i.	Existence of habitation & involvement of R&R, if any	Nil
j.	Elevation of the project site	117m AMSL
k.	Involvement of Forest land if any.	Nil
l.	Water body exists within the project site as well as study area	<u>Project site: Nil</u> <u>Study area</u> <u>Damodar River: 4km</u>
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil
n.	Project cost	INR 165 Crores
o.	EMP cost	INR 6.6 Crores
p.	Employment opportunity	450 Nos
q.	Water and Power requirement	Water – 1800 m ³ /day, Power - 20 MW

Unit configuration and capacity:

Sl. No	Name	Existing configuration	Proposed Configuration	Final configuration	Final Production Capacity In TPA
1.	DRI Kilns	2x100 TPD	1x350 TPD	2x100 TPD 1x350 TPD	1,76,000 Sponge Iron
2.	Power (DRI WHRB)	Nil	12MW	12 MW	12 MW
3.	Power (AFBC)	Nil	8.0MW	8.0 MW	8.0 MW
4.	Ferro Alloys Plant	NIL	2x9 MVA	2x9 MVA	30,000 (Fe-Mn, Si-Mn, Fe-Si & Pig Iron combined)

Sl. No	Name	Existing configuration	Proposed Configuration	Final configuration	Final Production Capacity In TPA
5.	Iron Ore Sinter Plant	NIL	250 TPD	250 TPD	80,000
6.	Iron Washery	NIL	1x40 TPH	1x40 TPH	2,06,000

5. The EAC, in its 38th meeting of the Re-constituted EAC (Industry-I) held on 15-16th June, 2021, 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.
6. 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) hereby decided to grant Environment Clearance for instant expansion proposal of M/s. Maithan Steel & Power Limited under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific conditions

- i. Particulate matter emission from all the stacks shall not exceed 30 mg/Nm³.
- ii. Water supply from Damodar Valley Corporation (DVC) shall be used and abstraction of ground water shall be discontinued.
- iii. Rain Water harvesting shall be implemented as per the action plan submitted.
- iv. Water spray systems shall be included to control fugitive dust from raw material Stockpiles.
- v. Green belt shall be developed in 33% of the total area all along the entire periphery of the plant with a density of 2500 trees per ha.
- vi. 100 % solid waste generated in the facility shall be utilized.

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 at process stacks to monitor stack emission as well as two Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be 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 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 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF); 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 recognised 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. 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 as far as possible.
- 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 including plantation.

VIII. Emergency preparedness

- 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.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.


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.
- 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. 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 report 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 environmental 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, 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.
- 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. 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).
 - x. 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.
 - xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xiii. 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.
 - xiv. 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.
7. This issues with the approval of the Competent Authority.


(Sundar Ramanathan)
Scientist 'E'

Copy to:-

1. Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. Secretary, Department of Forests, Government of West Bengal, Kolkata.
3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, IB – 198, Sector-III, Salt Lake City, Kolkata - 700106.
4. Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
5. Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata – 700 098.
6. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
7. District Collector, Purulia District, West Bengal.
8. Guard File/Record File/Monitoring File.
9. MoEFCC website


(Sundar Ramanathan)
Scientist 'E'