



Government of India

Ministry of Environment, Forests and Climate Change

F. No. J-11011/191/2013-IA II (I)

Indira Paryavaran Bhawan

Jor Bagh Road, Ali Ganj,

New Delhi - 110003

E-mail: [tchand2003@yahoo.co.uk](mailto:tchand2003@yahoo.co.uk)

Tel: 011: 24695313

Dated: 29<sup>th</sup> September 2014

To

Shri Subodh Agarwalla,

Director,

**M/s Maithan Alloys Limited**

Ideal Centre, 4<sup>th</sup> Floor, 9 A.J.C.

Bose Road, Kolkata-700017.

Email: [malloysltd@bmaind.com](mailto:malloysltd@bmaind.com) Fax: 033 39877101

Subject: Proposed 1x200 TPD Sinter Plant (Expansion Project) of **M/s Maithan Alloys Limited** at Mouza: Debipur & Maheshpur, Dendua Road, Dist. Burdwan, West Bengal (**Environmental Clearance**)

Sir,

This is with reference to your letter no.MAL/252A/13-14 dated 20.3.2014 along with copies of EIA-EMP report seeking environmental clearance for the aforesaid project under the provisions of the EIA Notification, 2006. The Terms of Reference (ToR) was awarded by MoEF vide letter of even no. dated 22.11.2013 for preparation of EIA-EMP report.

The proposed project activity is covered at S.N.3(a) in Primary Metallurgical Industries under category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.

2. The Ministry of Environment, Forests and Climate Change (MoEF&CC) has examined the application for the project cited above. It is noted M/s Maithan Alloys Limited have proposed to set up 1 X 200 TPD Sinter Plant (Expansion Project) at Mouza Debipur & Maheshpur, Dendua Road, district Burdwan, West Bengal. The project will be set up within the existing plant premises of 23.87 acres. The existing plant got Consent To Establish was obtained from the West Bengal Pollution Control Board on 5.12.1995 (2x5 MVA Ferro Alloy Plant), 10.5.2005 (2 x12 MVA Ferro Alloy Plant) and 28.3.2003 (1x8.25 MVA Ferro Alloy Plant) respectively. The capital investment for the existing project is Rs.39.34 crores and not covered under the purview of the EIA Notification 1994. Further, the unit has obtained CTEs for the ferro alloy plant prior to the EIA Notification 2006 dated 14.9.2006, hence the project is not covered under the purview of EIA Notification 2006. The latitude and longitude of the project site is 23°46'43.44"N and 86°50'32.11"E respectively. No Forest land is involved. No Defense Installation, Biosphere Reserve, National Park/Wild Life Sanctuary, ecologically sensitive area is located within 10 km radius of the project site. No court case/litigation is pending against the proposed project. Total cost of the project is Rs. 5.17 crores. Rs. 40 lakhs and Rs. 155.0

lakhs is earmarked for the capital cost and recurring cost per annum towards the environmental pollution control measures. An amount of Rs. 26 lakhs is earmarked towards the Enterprise Social Commitment based on Public Hearing issues over a period of five years.

3. The capacity of proposed project activity has been tabulated below:

	Plant	Existing		Additional
	<b>Main Plant</b>	Ferro Alloys Plant	2 X 5 MVA, 1 X 6.5 MVA, 1 X 8.25 MVA & 2 X 12 MVA	
Sinter Plant		-		200 TPD
Mn Ore Slag Crusher		2,500 T / month		-
Briquetting of Mn Ore Fines		2000 T / month		-
		<b>Product</b>	<b>Existing</b>	<b>Additional</b>
<b>Product</b>	Ferro Alloys	92,600 TPA	-	92,600 TPA
	Manganese Ore Sinter	-	70,000 TPA	70,000 TPA

4. The basic raw materials required for manufacturing Manganese Ore Sinter are Manganese Ore (75,950 TPA) and Coke / Coal Fines (5,600 TPA). The raw materials will be transported by road in covered trucks. The power requirement after the proposed expansion would be 38.6 MW [Existing: 38 MW; Additional: 0.6 MW] which will be met from Damodar Valley Corporation.

5. It is noted that the Sinter Plant will be equipped with Multi-cyclone arrangement with 99.9% efficiency. Dry fogging system will be provided to control fugitive emissions in the raw material handling area. Good housekeeping practices will be adopted to control the fugitive emissions.

6. The water requirement for the project would be 205 KLD [Existing: 159 KLD; Additional: 46 KLD] and it will be met from Damodar Valley Corporation / PHE / Rainwater Harvesting. Permission for the drawl of 205 KLD water has already been obtained from Damodar Valley Corporation. No industrial waste water will be generated in the plant. Domestic waste water generated from the project will be sent to the septic tank. Rainwater harvesting will be practiced within the plant premises.


7. It is also noted that the dust collected at Cyclone and the undersize generated due to crushing of Sinter Cakes (5 TPD) will be reused in the process. Out of the total plant area (i.e. 23.87 acres), 33% of total plant area will be developed under green belt / plantation in a scientific manner around the plant boundary, roadside, office buildings and stretches of open land.

8. The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 20<sup>th</sup> meeting held during 23-24<sup>th</sup> June 2014. After detailed deliberations, the Committee recommended the project for environmental clearance. Public Hearing / Public Consultation meeting was conducted by the West Bengal Pollution Control Board on 27.2.2014.

9. Based on the information submitted by you, presentation made by you and your consultant M/s Environ India - Kolkata, the Ministry of Environment, Forests and Climate Change (MoEF&CC) hereby accords environmental clearance to the above project under the provisions of EIA

Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

- i. Measures shall be taken to reduce PM levels in the ambient air. Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm<sup>3</sup> and installing energy efficient technology.
  - ii. Gaseous emission levels including 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.
  - iii. 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.
  - iv. Total fresh water requirement after the proposed expansion shall not exceed 205 KLD [Existing: 159 KLD; Additional: 46 KLD] and it will be met from Damodar Valley Corporation / PHE / Rainwater Harvesting. Prior permission shall be obtained from the Competent Authority for water drawl. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
  - v. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent.
  - vi. Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
  - vii. A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
  - viii. A Risk and Disaster Management Plan (including Earth quake and Seismic hazard) shall be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
  - ix. As proposed, green belt shall be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
  - x. All the commitments made to the public during Public Hearing/public consultation meeting held on 27.2.2014 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
  - xi. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on earlier Public Hearing Issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional
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Office at Bhubaneswar. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office at Bhubaneswar.

- xii. The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- xiii. 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.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.
- ii. 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).
- iii. 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<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
- iv. 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 form time to time. The treated wastewater shall be utilized for plantation purpose.
- v. 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 (nighttime).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.



- viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ix. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneshwar. The funds so provided shall not be diverted for any other purpose.
- x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/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 web site of the company by the proponent.
- xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Bhubaneshwar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneshwar / CPCB / SPCB shall monitor the stipulated conditions.
- xiii. 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 concerned 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 with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF&CC at Bhubaneshwar by e-mail.
- xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneshwar.



xv. Project authorities 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 and the date of commencing the land development work.

11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

13. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

  
(Dr. T. Chandini)  
Scientist F

**Copy to:-**

1. The Secretary, Department of Environment, Govt. of West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, Bldg. No. 10-A, Block- LA, Sector 3, Salt Lake City, Kolkata – 700 091
4. The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment, Forests and Climate Change (MoEF&CC), A/3, Chandesekharpur, Bhubaneswar – 751023.
5. Guard File / Record File/Monitoring file.