

F. No. J-11011/68/2005-IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 3rd July, 2009

To, ✓
Shri J.P. Lath, President (CA)
M/s Monnet Ispat & Energy Ltd
Monnet Marg, Mandir Hasaud
Raipur, Chhattishgarh

E-mail : jpl@monnetgroup.com ; Fax No. : 011-26102567 ;

Subject : Expansion of Integrated Steel Complex at Mandir Hasaud, Raipur,
Chhattisgarh by M/s Monnet Ispat & Energy Ltd. - Amendment reg.

Ref. : 1. Ministry's even no. letter dated 30th May, 2005.
2. Your letter no. MIEL/HO/JPL/27 dated 1st April, 2009.

Sir,

This has reference to your letter no. MIEL/HO/JPL/27 dated 1st April, 2009 where in you have informed to the Ministry that you have been accorded environmental clearance for the following sponge iron kilns besides other units:

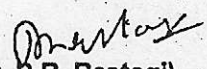
S.N.	Particulars of DRI Kilns	Capacity (TPA)
1	Kiln-I	1,00,000
2	Kiln-II	1,00,000
3	Kiln-III & IV	65,000
4	Kiln-V	35,000
	Total	3,00,000

2.0 But, now, you want to achieve the same quantity of production of sponge iron (3,00,000 TPA) from the existing 4 kilns (Kiln I to IV) only by increasing the production per unit due to improvement in coal quality from 37% ash to 28 %; increasing the number of working days from 330 days to 345 days due to decrease of shut down period & introduction of Robot during shut down period.

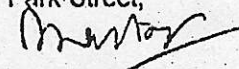
3.0 You have also expressed that there is no need for installation of kiln-V since production of same quantity of sponge iron (3,00,000 TPA) can be achieved by 4 kilns alone.

4.0 The Ministry has examined the matter and has no objection for non-installation of Kiln V, if the same quantity of production of sponge iron (3,00,000 TPA) can be achieved by 4 kilns. However, you are requested to submit a commitment that sponge iron production in any case shall not exceed 3,00,000 TPA as mentioned in the environment clearance letter no. J-11011/68/2005-IAII(I) dated 30th May, 2005.

5.0 No further deviation of any kind or change in the configuration shall be carried out without prior approval from the Ministry.


(Dr. P.B. Rastogi)
Director

Copy to : The Chairman, Chhattisgarh Environment Conservation Board, 14/3, Park Street,
Chaubay Colony, Raipur - 492001, Chhattisgarh


(Dr. P.B. Pastogi)
Director

No. J-11011/68/2005 – IA II (I)
Government of India
Ministry of Environment & Forests

Email: plahujarai@yahoo.com

Tel No. 2436 3973
Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi – 110 003
Dated the May 30, 2005

To

The President
M/s Monnet Ispat Limited
Mohta Building , 3rd Floor,
4, Bhikaji Cama Place
New Delhi-110066.

**Sub: Expansion of Integrated Steel Complex at Mandir Hasaud, Raipur (Chhatisgarh)
by M/s Monnet Ispat Limited**

Sir,

This has reference to your letter no. nill dated 11.03.2005 along with application, EIA /Environmental Management Plan, NOC from the Chattisgarh Environment Conservation Board, Public hearing report and related project documents and subsequent clarifications furnished by you vide your letters dated 28.03.2005, 21.04.2005 and 12.05.2005 for environmental clearance on the above mentioned project.

The Ministry of Environment and Forests has examined your application. It is noted that the expansion proposal involves i) setting up of Sponge Iron Kiln No. II of Capacity - 1,00,000 MTPA. ii) Sponge Iron Kiln Nos. III, IV (65,000 MTPA) and Kiln V (proposed) of capacity - 35,000 MTPA (each) iii) M.S. Ingots (Induction Furnace) - 2,50,000 MTPA iv) Waste Heat Recovery Based Captive Power Plant - 7.5 MW and Fluidized Bed Boiler Based Captive Power Plant of capacity - 29.5 MW and vi) Submerged Arc Furnace - 32,000 MTPA and power plant based on the WHRB and Char based - 15 MW. The existing unit has sponge iron unit 1 of capacity 1,00,000 MTPA, Induction Furnace- 50,000 MTPA, Submerged Arc Furnace 12,000 MTPA and Power Plant WHRB based 7.5 MW. It is noted that company would not install blast furnace. The total production capacity of the company after expansion will be sponge iron kiln (i to v) - 3, 00,000 MTPA, Induction Furnace - 3,00,000 MTPA, Submerged Arc Furnace - 44,000 TPA and Captive Power Plant 60 MW. Cost of the expansion project is Rs. 317.98 crore.

The company has acquired land area of 196 acre. Expansion will be carried out within the existing complex. No additional land will be required as expansion will be within the existing plant premises. The project does not involve diversion of forest land and displacement of people. Water requirement of 7918.0 m³/d would be met from the Kharoon river. Permission to draw 2MGD of water from the State Water Resources Department has been obtained on 7.11.96. Solid waste would be generated in the form of char (240MTPD), fly ash (220-250MTPD) and slag (180-220MTPD). The char will be used as fuel in the 15MW power plant. Fly ash will be used for manufacturing of bricks in the company's own big plant and it will be partly sold to cement manufacturers and will be used for abandoned mines. The slag will be used for filling of low lying areas and for road making purposes. Public hearing panel has considered the project in the meeting held on 31st August, 2004. The Chhattisgarh Environment Conservation Board has granted NOC on 10th March, 2005.

2.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS

- i. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th 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. At no time the emission level shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. The company shall install continuous air quality monitoring system in the major stacks to monitor the SPM, SO₂, NO_x and CO.
- iii. There shall be no discharge of process effluent. As reflected in the EIA/EMP report, the process waste water (1238m³/d) shall be collected in common settling tanks and the treated effluent conforming to the prescribed standards shall be used for dust suppression and horticulture purposes within the plant premises. The boiler blow down shall be used for green belt development. The DM effluent shall be used for dust suppression in ash handling system. The domestic wastewater shall be treated in the septic tank and soak pit.
- iv. In plant control measures for checking fugitive emission from spillage/ raw materials handling shall be provided. Further, specific measures like provision of dust extraction system at the loading and unloading areas of the plant to control the fugitive emissions shall be provided. All conveyor belts and transfer points shall be covered to prevent fugitive emissions. Data on fugitive emissions shall be regularly monitored and records maintained.
- v. The particulate emissions from the waste heat recovery boiler shall be controlled by installation of ESP of efficiency 99.9% and particulate emissions shall not exceed 100mg/Nm³. Further, the company shall install bag house to control the emissions from the coal handling plant, kiln, cooler outlet, coal hopper injection, char fine lumps, kiln feed builder, common ground hopper to control the emissions.
- vi. Secondary emissions from the induction furnace during charging and tapping of molten metals shall be controlled by installation of automatic hood and secondary emission control system.
- vii. The company shall use char generated from the Sponge Iron Plant for Captive power Generation. Solid waste would be generated in the form of char (240MTPD), fly ash (220-250MTPD) and slag (180-220MTPD). The char shall be partly sold and partly used as a fuel in the 15MW power plant. Fly ash shall be used for manufacturing of bricks in the company's own big plant and it shall be partly sold to cement manufacturers and will be used for abandoned mines. The slag shall be used for filling of low lying areas and for road making purposes.

- viii. The company shall submit an time bound action plan to the Ministry for implementation of specific environmental protection measures envisaged in the Environmental Management Plan.
- ix. The company shall undertake rainwater-harvesting measures to harvest the rain water for utilisation in the lean season as well as to recharge the ground water table.
- x. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xi. The company shall maintain good house keeping within the plant premises by systematic storage materials, stacking and movement , waste disposal and all the internal loads shall be Asphalted.
- xii. As reflected in the EIA /EMP report , the company shall develop green belt in an area of 23.80 ha. Selection of the plant species should be as per the Central Pollution Control Board guidelines.
- xiii. Recommendations made in the CREP shall be implemented.
- xiv. The Company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment. An action plan to this effect shall be submitted by the project authorities within a period of three months from the date of receipt of this letter to the Chhattisgarh Environment Conservation Board.

B. GENERAL CONDITIONS:

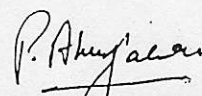
- i. The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board and the State Government.
- ii. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. At least four ambient air quality-monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months.
- iv. Industrial waste water should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater should be utilized for plantation purpose.
- v. The overall noise levels in and around the plant area should 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. 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.
- vii. The project authorities will provide separate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.
- viii. The Regional Office of this Ministry at Bhopal/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly.
- ix. The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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.
- x. The Project Authorities should 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.
- 3.0. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 4.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.
- 5.0. The above conditions will 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 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules

(Dr. P. L. Ahujarai)
Director

Copy to:

1. The Principal Secretary, Environment, R. No. 153 Dau, Kalyan Singh Bhawan, Secretariat, Government of Chhattisgarh, Raipur-492001
2. Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, E - 3 / 240 Arera Colony Bhopal - 462 016.
3. Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi - 110 032.
- ✓ 4. Chairman, Chhattisgarh Environment Conservation Board, 14/3, Park Street, Choubey Colony, Raipur (CG).
5. JS(CCI-II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.


(Dr. P. L. Ahujarai)
Director