

State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Research and Development Wing
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16
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No: 64 / EPCO-SEIAA /12

Date: 18-4-12

To,
Hira Power and Steel Limited
(formally Jain Carbides & Chemicals Ltd.)
Plot No .557, 563,564
Urla Industrial Area,
Raipur -492003, Chhatisgarh

Phone No. 0771-2323098, 4082500/ 600
Fax No. 2324393, 4082501
E-mail - admin@hpslindia.com
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Sub: -Case No. 413/2009, Prior Environmental Clearance for expansion of the manganese ore capacity from 8,000 TPA to 10,000 TPA and change in technology from open cast mine to under ground mine in an area of 6.264 ha at village Jagantola, Tehsil Baihar, district Balaghat, MP by Hira Power and Steels Limited (formally Jain Carbides & Chemicals Ltd.), Plot No .557, 563,564 Urla Industrial Area, Raipur, CG.

This has reference to your letter No. Nil dtd. 04.06.2008 received in SEIAA office on 09.06.2009, ToR issued on SEAC on 03.07.2009 and subsequent letters seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form - I, Pre-Feasibility Report, ToR and subsequently submission of EIA, Public Hearing and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- ii. It has been noted that the proposal is for manganese ore mine in an area of 6.264 ha. The mining lease area is located in Khasra No. 16/1 at village Jagantola, Tehsil Baihar, district Balaghat, MP. It lies at latitude $21^{\circ} 59'$ and longitude $80^{\circ} 18' E$, at an altitude of 632 m MSL. It is a govt. land. The nearest village Jagantola is about 1.0 km. The nearest forest boundary is adjacent to mining lease area. The NOC from Principal Secretary Forests, Govt. of MP is not required the mining lease is old one. There is no national park / sanctuary with 10 km of the site. Similarly interstate boundary is more than 10 km from the site.

The present production capacity is 8,000 TPA for manganese ore. It has been proposed to expand the capacity to 10,000 TPA with the change in technology from open cast to underground mining. The mining lease period is for 20 years. The anticipated life of the mine is 09 years. The mining will be carried

out by under ground manual / semi mechanized method. The water requirement is 9 KLD which would be met from mined pit water. It will be used for domestic and mining purpose. An area of 2.0 ha shall be covered under plantation. As per MPPCB letter dtd 09.02.12, PP is complying with consent conditions under Air & Water Act. There is no legal case under Air & Water Acts. The public hearing was conducted on 24.06.2010.

iii. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

iv. Based on the information submitted by you, as at Para ii above, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 88th meeting held on 03.04.2012 and decided to accept the recommendations of 82nd SEAC meeting dtd on 13.10.2011.

Hence Prior Environmental Clearance is accorded for expansion of the manganese ore mine capacity from 8,000 to 10,000 TPA and change in technology from open cast mine to under ground mine in an area of 6.264 ha at village Jagantola, Tehsil Baihar, district Balaghat, MP by Hira Power and Steels Limited (formally Jain Carbides & Chemicals Ltd.) Plot No .557, 563,564 Urla Industrial Area, Raipur, CG, under the provisions of EIA notification dtd. September 14, 2006, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC:

1. Prior to the initiation of activities PP shall obtain all the necessary permissions from the regulatory authorities.
2. Subsidence shall be monitored closely and if subsidence is found exceeding the permitted limits than adequate compensated shall be levied on the mine operator.
3. Drilling shall be wet operated to avoid fugitive dust emissions.
4. The company shall put up artificial ground water recharge measures for augmentation of ground water resources. The project authorities shall meet the water requirements of nearby villages in case the village wells go dry due to de-watering of mines.
5. Periodic health check up camps shall be organized by the proponent at mining site.
6. Under no circumstances the existing plantation shall be removed in the project boundary.
7. Appropriate arrangement shall be made for the treatment and disposal of the waste water expected from the domestic activities of the workers.
8. Emissions from the plant operations including crusher, screens, conveyor transfer points and storage facilities have to be checked through installation of wet dust suppression systems.
9. Top soil should be preserved separately and should be spread over surface for plantation.
10. Garland drain shall be provided all around the OB area which should be connected to appropriate settling tank.
11. The clear water from the holding tank shall be used for various mining activities including the horticulture.

12. Ground vibrations due to blasting operations should comply with the DGMS standards.
13. Proper stabilization of OB dumps has to be ensured through appropriate plantation. High root density trees species shall be selected & planted over the area likely to be affected by subsidence.
14. Regular monitoring of subsidence movement on the surface over & around the working area & impact on natural drainage pattern, water bodies, vegetation, structure, road & surrounding shall be continued till mining ceases completely. In case any high rate of subsidence movement appropriate effective corrective measures shall be taken to avoid loss of life and material. Cracks, if found, shall be effectively plugged with suitable material.
15. Utilization of sub-grade mineral has to be ensured as far as possible.
16. Safe transportation of materials should be ensured along with construction of haulage road to avoid fugitive emission.

Encl: 1 no


(Manohar Dubey)
Member Secretary

Endt No. 65 / EPCO - SEIAA/12 Dated: 18-4-12

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Mantralaya, Bhopal.
2. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-4620 16
3. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
4. Collector, Distt-Balaghat-M.P.
5. Divisional Forest Officer, Distt. Balaghat, M. P.
6. Division, Monitoring Cell, MoEF, Gol, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
7. Director, Regional Office, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
8. District Mining Officer, Distt. Balaghat, M. P.
9. Guard file




(Dr R P Singh)
Officer-in-Charge


State Environment Impact Assessment Authority, M.P.


(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16


Annex-I

**Standard Conditions related to Activity 1 (a) - Mining of Minerals
(Underground) of Category B projects under the Schedule of Ministry of
Environment and Forests, GoI notification dtd 14-09-06**

1. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
3. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
5. Blast vibrations study shall be conducted and submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB **within six months**. The study shall also provide measures for prevention of blasting associated impact on nearby houses and agricultural fields.
6. Controlled blasting techniques with sequential drilling shall be adopted as per the guideline of Explosive Deptt.
7. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
8. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB within 5 years in advance of final mine closure for approval.
9. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
10. Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
11. Maintenance of near by local roads through which transportation of minerals are undertaken shall be carried out by the company regularly at its own expenses. The roads shall be black topped.
12. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
13. The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.
14. Minimum 1000 plants shall be planted in one year and 5000 plants shall be planted in first five years.


(Dr R P Singh)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

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Dated 18-4-12

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topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and displayed.

15. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office of the Ministry of Environment and Forest, Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.
16. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.
17. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
18. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
19. The project authorities shall inform to the Regional office of the Ministry of Environment and Forest, Bhopal and MPPCB final approval of the project by the concerned authorities and the date of start of land development work.
20. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal.
21. The compliance of the stipulated conditions shall be monitored by the Regional Office, MoEF, Gol, Bhopal and MPPCB. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, Gol at Bhopal.
22. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation, if any, shall be submitted to the Regional office of the MoEF, Bhopal and MPPCB to the competent authority of the State Govt. within six months.
23. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year.
24. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the local bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
25. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
26. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded

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Dated. 18-4-12

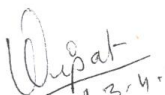
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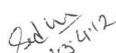
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environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.

27. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
28. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
29. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
32. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
33. 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 Liability Insurance Act, 1991 along with their amendments and rules.
34. The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
35. The environmental statement for each financial year ending 31st 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 EC conditions and shall also be sent to the Regional Office of MoEF.


12.4.12
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