



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

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

visit us <http://www.mpseiaa.nic.in>

Tel:0755-2466970, 2466859

Fax : 0755-2462136

No. 2819 SEIAA/2016
Date: 29.7.16

To,
Shri Satyabrata Satpathy, Director
M/s H.P. Ore Processors Pvt. Ltd.
Missal Layout, Nagbhoomi Society,
Indora, Nagpur-440014

Sub:- Case No. 2341/2015 Prior Environmental Clearance for proposed Iron Ore Beneficiation Plant at Plot No. 2,3,4 & 5, Industrial Area, Village-Hargarh, Tehsil-Sihora, District-Jabalpur (MP); Plot area - 1.782 ha Production Capacity - 4,80,000 TPA by M/s H.P. Ore Processors Pvt. Ltd through Shri Satyabrata Satpathy, Director, Missal Layout, Nagbhoomi Society, Indora, Nagpur-440014, E-mail-ms.mininggroup@gmail.com, Phone No. 0712-2655050, Environmental Consultant – M/s Enviro Techno Consult, Nagpur.

Ref:- Your application dtd. 03.01.2015 received in SEIAA office on 03.01.2015

With reference to above the proposal has been appraised as per prescribed procedure under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., the Form I, pre-feasibility report, ToR and subsequent submission of EIA report, public hearing documents and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and Environment Impact Assessment Authority (SEIAA) constituted by competent Authority.

- (i). The proposed project is Mineral (Iron Ore) beneficiation project and production Capacity of 4,80,000 TPA at Plot No. 2,3,4 & 5 Industrial Area, Village-Hargarh, Tehsil-Sihora, District-Jabalpur (MP). The project is covered under 2 (b) category of the EIA Notification issued by the Ministry of Environment, Forest & Climate, Change, Gol vide S.O. No. 1533(E) dtd. 14.09.2006 and its amendments.
- (ii). The total land area of the project is 1.782 ha for which lease deed executed (dtd. 06.12.2014) between Managing Director MPAKVN(J) Ltd. and Director M/s H.P. Ore Processors Pvt. Ltd for the period of 27.08.2014 to 26.08.2044.
- (iii). There is no National park / Sanctuaries, Eco-sensitive areas, critically polluted areas and inter-State boundaries within 05 km around the proposed site, hence the general conditions are not attracted.

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- (iv). Public Hearing was held on 17.09.15 at the project site under the Chairmanship of Additional Collector, Jabalpur District Jabalpur. Some issues were raised during the Public Hearing which was addressed by PP.
- (v). PP has proposed Raw material will be stored in covered shed surrounded by three side walls. The availability of the raw material is within 50km, and existing roads shall be used for transportation of ore in covered dumpers.
- (vi). The total water requirement is 240 KLD. The source of water supply is MPAKVN for which PP has submitted MPAKVN letter dtd. 12.12.14.
- (vii). PP has proposed 100% recycling of waste water with zero discharge. The beneficiation plant will be installed in phases of 50 Ton per hour module series of RCC bedded settling tanks along with RCC bedded tailing pond will be constructed instead of thickener for water reclamation. The sludge settles to the bottom of the settling tank and the clear water will be pumped to the recycled water tank. The settled sludge will then be scrapped out of the settling tank. Recycled water will be re-used mixing with the fresh water. A tailing pond followed by 1 Nos. of Settling tanks of capacity 1000 cum are being provided for settling, then a clear water sump shall also be provided for reuse. Hence, the water handling will be in closed circuit and no waste water shall be discharge.
- (viii). Approximately 1,80,000 Tonnes/year, as waste containing very low percentage of iron and having higher silica and alumina percentage which is proposed to be collected in semi dry form and bagged in cement bags for sale to cement plant, / to local brick manufacturing units and balance of tailings if any will be filled in abandoned mines with permission of competent authority.
- (ix). For control of air pollution during process and transportation PP has proposed water sprinkling on the approach roads, fugitive dust generation areas (loading / unloading). To prevent spread of dust Ore PP has proposed to cover finished material with tarpaulins; transport in bulk in moist condition through tarpaulin covered trucks, Periodical maintenance of process machinery; green belt development; protective appliances for workers etc.
- (x). PP has proposed that the power requirement is 1200 KW will be met from electricity board.
- (xi). Under CSR activities PP has proposed education training, providing dry slimes to the local villagers to make light weight bricks for their income generation, solar lightening at nearby ten location, health check up camps in village Daraula & Hargarh twice in a year.
- (xii). PP has proposed an area of 5000 sq.m. to be developed as green belt by planting two rows periphery with native species.

Based on the information submitted as at Para i to xii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 349th meeting held on 04.07.2016 and decided to accept the recommendations of 277th SEAC meeting dtd 31.05.2016.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dated 14.09.2006 & its amendments for proposed Iron Ore Beneficiation Plant at Plot No. 2,3,4 & 5, Industrial Area, Village-Hargarh, Tehsil-Sihora, District-Jabalpur (MP); Plot area 1.782 ha; Production Capacity - 4,80,000 TPA by M/s H.P. Ore Processors Pvt. Ltd through Shri Satyabrata Satpathy, Director, Missal Layout, Nagbhoomi Society, Indora, Nagpur subject to the compliance of the Standard

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Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA :-

- (1) The entire demand of fresh water should be met from AKVN, supply and there should be no extraction of ground water.
- (2) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.
- (3) The entire process area should be provided with doubled liner HDPP geo membrane system of thickness 2.5 mm and double leachate collection system for detection of any leachate.
- (4) The storage area shall be designed in such a way that the floor level is at least 450 mm above the maximum flood level with 2.5 mm thickness of HDPE geo membrane and two layers of RCC in storage as proposed.
- (5) **Waste water management:-**
 - (a) PP should ensure 100% recycling of waste water and maintain zero discharge.
 - (b) There shall be no industrial effluent discharge within the project premises.
- (6) **Air Quality Management:-**
 - (a) The performance of air pollution control system should be regularly monitored and maintained.
 - (b) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.
 - (c) Transportation of raw material and finished goods should be carried out in covered trucks.
 - (d) Dust suppression system including water sprinkler system/ foaming arrangement shall be provided at loading and unloading areas to control dust emission.
 - (e) Fugitive emission in the work zone environment, product, raw material storage areas etc. shall be regularly monitored.
 - (f) Separate civil construction material storage yard should be created within the site and it will be enclosed.
 - (g) Possibility of increasing the pace of green belt development along with construction activity will also be explored.
 - (h) Transport vehicles and construction equipments / machineries will be properly maintained to reduce air emissions.
 - (i) Vehicles and equipments will be periodically checked for pollutant emissions against stipulated norms.
 - (j) Idle running of vehicles will be minimized during material loading / unloading operations.

(7) **Solid Waste Management:-**

- (a) PP should provide filter press to ensure extraction of moistures from the tailing collected from the sludge / tailing pond.
 - (b) PP should provide the shed and covered storage area for the storage of sludge.
 - (c) PP should provide water proof lining in the sludge recovery tanks / settling / tailing ponds or any other tanks constructed at the project area
 - (d) PP should obtain authorization from MPPCB for collection / treatment / storage / disposal of hazardous wastes.
 - (e) Solid waste generated from the unit shall be utilized for brick manufacturing /other beneficial uses as per the proposal submitted by the PP. No Klin will be permitted to brick manufacturing within project premises.
 - (f) PP should ensure to provide settling pond/ tailing pond of capacity 1000 cum with HDPE liners so the desilting can be done easily and the extracted trailing which is having Fe contains upto 30% will be recycled again in the process through the filter press.
- (8) PP should obtain NOC /approval from competent authority for health & safety measure, Onsite & Offsite disaster management, and Risk management plan before commencing the operation of the unit.
- (9) PP should obtain fire NOC from the competent authority before commencing the operation of the unit.
- (10) PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.
- (11) **Traffic Management:-**
- (a) PP should ensure proper vehicular movement with separate entry and exit.
 - (b) PP should ensure transportation of materials in trucks covered with tarpaulins; PUC certified vehicles.
 - (c) Transportation of raw material and finished goods should be carried out in covered trucks with tarpaulins; PUC certified vehicles.
 - (d) All the roads inside the plant premises should be pucca road and PP should maintain the road used for the transportation of the minerals.
 - (e) No village road should be used for the transportation of the minerals. No transportation allow in Hargarh village.
 - (f) PP should ensure proper road width and turning radius for the trucks and movement of vehicles. PP should ensure Pucca Parking bay for at least 64 trucks.
- (12) PP should ensure the implementation of CSR activities to the extent on regular basis in consultation with the Gram Panchayat of the respective village.



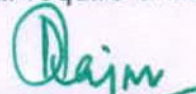
- (13) As committed PP should ensure to provide employment to 40 Nos. to local people out of 60 nos. in plant, & provide training in beneficiation plant activities to the local youngsters and make them skill so they can worked in their plant as well as in other plants.
- (14) **Green Belt:-**
- (a) PP should ensure plantation as proposed in 5000 sq.m. completely in first year. At least 3 years old saplings should be planted.
- (b) Green belt should be developed around the site with noise absorbing trees.
- (c) Plantation should be done in two rows all along the periphery of the project area, along, avenue plantation along the roads. PP should ensure plantation of the trees of indigenous local varieties like Neem, Peepal, Kadam, Karanj, Kachnaar, Mahua etc along with ornamental varieties.
- (d) Two rows plantation should be done along the 24m wide road.
- (e) Every effort should be made to protect the existing trees on the plot.
- (15) PP should construct a boundary wall toward hill area.
- (16) In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- (17) Commitments made in the public hearing should be fulfilled by the PP.
- (18) PP should adopt Hargarh village and provide facility for health, education and sanitation (toilets). Accordingly, the budget for CSR activities should be increased.

B. Specific Conditions as recommended by SEAC :-

- (19) Dense green belt shall be developed along the site boundary including the river side to provide additional protection.
- (20) The waste water generated from the beneficiation plant shall be reused as committed by the PP and zero discharge conditions should be maintained.
- (21) Area under plantation should be 0.588 ha of the total plot area.
- (22) Solid waste generated from the unit shall be utilized for brick manufacturing /other beneficial uses as per the proposal submitted by the PP.
- (23) PPE's should be provided to all the workers.
- (24) All the minerals should be stocked in the covered area to avoid fugitive emissions.
- (25) PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
- (26) PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- (27) Production capacity for Iron Ore Beneficiation shall not exceed 4,80,000 TPA (throughput).
- (28) Transportation of material shall be done in covered vehicles.

- (29) All the roads inside the plant premises should be pucca road and PP should maintain the road used for the transportation of the minerals.
- (30) Commitments made in the public hearing should be fulfilled by the PP.
- (31) As committed in public hearing, no village road should be used for the transportation of the minerals.
- (32) Tailing pond should be lined with HDPE liners to avoid generation of any leachates.
- (33) Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
- (34) Permission / NOC shall be obtained from Gram Panchayat for lifting water from the village resources and shall be furnished to MPPCB while obtaining necessary consents under the provisions of Air / Water consents.
- (35) The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

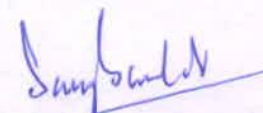
Encl: Standard Conditions (Annex-I)


(Anupam Rajan)
Member Secretary

Endt No. 2820 /SEIAA/2016 Dated: 29.7.16
Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Mantralya, Bhopal.
2. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
3. Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony Bhopal-4620 16
4. The District Collector, Jabalpur, (M.P.)
5. The Joint Director Town & Country Planning, Jabalpur, MP
6. The District Forest Officer, Jabalpur, MP.
7. The Managing Director, M P Audyogik Kendra Vikas Nigam (Jabalpur) Ltd, 447, Napier Town Jabalpur (M.P.) 482001
8. Division, Monitoring Cell, MoEF & Climate Change, GOI, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj New Delhi- 110003
9. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
10. Guard file.

Encl: Standard Conditions (Annex-I)


(Dr. Sanjeev Sachdev)
Officer-in-Charge

Case No. 2341/2015
Issued vide letter no. 281920 dated 29.7.16

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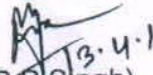
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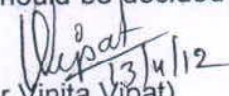
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Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

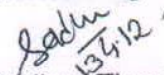
Annex-I

Standard Conditions related to Activity 2 (b) - Mineral Beneficiation of Primary Processing of Category B projects under the Schedule of Ministry of Environment and Forests, GoI notification dtd 14-09-06

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required 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. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S R. No. 826 (E) dated 16th November, 2009 shall be followed.
6. Adequate protection against dust and other environmental pollution due to working of the plant shall be made. The status of implementation shall be reported to the Regional office of the Ministry of Environment and Forest at Bhopal and work shall be completed before commissioning of the plant.
7. Ground water quality shall be regularly monitored for contamination and depletion and records maintained. The monitoring data shall be submitted to the Regional office of the Ministry of Environment and Forests at Bhopal regularly.
8. Transportation of ore (beneficiated and otherwise) shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.
9. The discharged water from the Tailing Dam (if any) shall be reused in the process and regularly monitored and report submitted to the Regional office of the Ministry of Environment and Forest at Bhopal, Central Pollution Control Board and the State Pollution Control Board.
10. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. No overloading of ores for transportation shall be committed.
11. Project Proponent shall explore the possibility of using solar energy where ever possible.
12. The solid waste management has to be taken up as per the proposal submitted by PP.
13. All measures proposed for prevention of any discharge from the industry has to be implemented prior to the commencement of production.
14. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data,


(Dr R P Singh)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

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Dated 29.7.16
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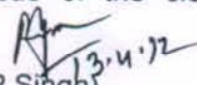
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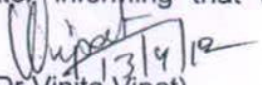
(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16

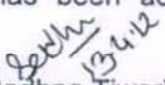
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topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded 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, GoI, Bhopal and MPPCB. A complete set a documents including Environment Impact Assessment Report, Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, GoI 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, GoI, 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


(Dr R P Singh)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

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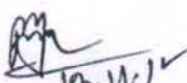
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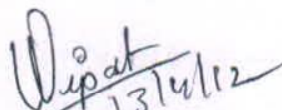
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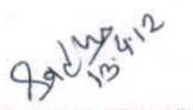
State Environment Impact Assessment Authority, M.P.

(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

- 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.


 (Dr R P Singh)
 Officer-in-Charge


 (Dr Vinita Vipat)
 Officer-in-Charge


 (Dr Sadhna Tiwari)
 Officer-in-Charge

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