



**State Environment Impact Assessment Authority, M.P.**  
(Ministry of Environment, Forest and Climate Change, Government of India)

**Environmental Planning & Coordination Organization**

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No.: 7618 /SEIAA/ 21

Date: 24.3.21

To,  
The Director  
M/S GEOMIN IRON MANUFACTURING PRIVATE LIMITED  
Yash Tower, Pathak Ward,  
Katni MP 483501

**Sub:-Case No. 7657/2020 :** Prior Environmental Clearance for Proposed Iron Ore beneficiation plant at Khasra No. 449, 451, 442, 443, 444, 448, 450, 453, 432, 434, 437, 438, 441, 445 & 452 Village - Jhiti Tahsil Sihora; District -Jabalpur (MP) Total Area: 30 acres Production Capacity : 4,80,000 Ton per Year Iron Ore Concentrate Final Product by Shri Varun Kumar Gautam, Director M/S GEOMIN IRON MANUFACTURING PRIVATE LIMITED Yash Tower, Pathak Ward, Katni MP 483501 Email: [varun.gautam@gmail.com](mailto:varun.gautam@gmail.com) Mob:- 9131927005 Env. Consultant- Creative Enviro Services, Bhopal (M.P.)

**Ref:** Your Online application (SIA/MP/IND2/60532/2020) dated 04.02.21 received in SEIAA office on 10.02.2021.

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

- Geomin Iron Ore beneficiation plant project is proposed to be located at village Jhiti, Tahsil Sihora; District -Jabalpur (MP). The lease area is being held by M Geomin Iron Manufacturing Private Limited having office at Yash Tower, Pathak Ward, Katni (MP) 483501.
- It is a green field project and proposed for Throw put capacity of 4,80,000 Ton per Year of Iron Ore Concentrate. The area lies at the cross section of latitude 23°22'20.25" N and Longitude 80°10'36.54" E (Mean Sea Level - 388m) and is covered under Toposheet no 63A/3.
- The project has been proposed for the beneficiation of Iron Ore with capacity of 4,80,000 TPA of concentrate with physical means i.e. Crushing, grinding, ore separation through magnetic method, de watering .No chemical beneficiation process will be adopted for beneficiation activity.

| S.NO | Particulars   | Details  |
|------|---------------|--|
| 1    | Project       | Iron Ore Beneficiation Plant with proposed capacity of 4,80,000 Ton per Year of Iron Ore Concentrate |
| 2    | Khasra number | 449,451,442,443,444,448,450,453,432,434,437,438,441,   |



|    |   |   |
|----|---|---|
|    |   | 445, 452.   |
| 2  | Total requirement Power for process                         | 4.4 KVA from MPSEB (18.3 Kwh power per ton of production)   |
| 3  | Total Land available  | 30 Acres  |
| 6  | Water Requirement   | It is expected that 50 KLD water (including domestic) will be required as make up water<br>Process water requirement : 1167M3/hr<br>Water consumption/loss in the process : 46.0 M3/hr<br>Recycled water : 1121 M3/hr<br>The overall consumption is 0.23 m3/ tone. Therefore, water requirement for the whole plant is 46 M3/hr |
| 7  | Tailing generation  | 0.3168 Mio TPA on dry basis   |
| 8  | Source of Raw water   | From mining pit of captive mine   |
| 9  | Alternative Source of Power                                 | D. G. Set of 250 KVA  |
| 10 | Cost of project   | Rs 50 Crores (including land)   |
| 11 | Capital Cost of Pollution Control Equipments                | Rs 64.79 Lacs (Bag Filter, Dry Fog, Sprinkler etc )   |
| 12 | Recurring cost for environmental management (Proposed ) etc | 19.20 Lacs  |
| 13 | Number of employment generation                             | 100 persons for Operation phase   |

- iv. There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 07.01.21), critically polluted areas and inter-State boundaries within 05 km of the proposed site, hence, general conditions are not attracted as per EIA Notification 2006.
- v. Public hearing for the proposed project was conducted on 21<sup>st</sup> January 2021 at village Jhiti, Tehsil-Sihora Dist Jabalpur (MP) under the Chairmanship of Additional Collector, Jabalpur. Total 51 people were present in the public hearing and 05 written suggestion/comments received. The issues raised during public hearing were of general nature, nothing adverse was found regarding degradation of the environment.
- vi. The plant is proposed at piece of land i.e. approx 30 Acre. PP has submitted copy of Kishtbandi Khatoni (B1) 2020-21. As per the land documents the land is the name of M/S GEOMIN IRON MANUFACTURING PRIVATE LIMITED. PP has also submitted copy of land registry dtd.25.07.2020 The land use break-up of the unit is as follows:-

| SL No | Description                                | Area in Acre |
|-------|--|--------------|
| 1     | Plant & Machinery's                        | 1.6          |
| 2     | Raw Material Storage                       | 2.9          |
| 3     | Final Product Iron Ore Concentrate Storage | 0.3          |
| 4     | Administrative Buildings                   | 0.15         |
| 5     | Water Reservoir                            | 1.23         |
| 6     | Road                                       | 3.0          |
| 7     | Green Area                                 | 10           |
| 8     | Open Area                                  | 10.52        |
| 9     | Tailings Storage                           | 0.3          |
|       | <b>Total</b>                               | <b>30.00</b> |



- vii. The requirement of major raw material i.e. Iron, will be met from captive mines viz Anand Mining, Nirmala Minerals etc . Mine out ore will be raw material for the beneficiation plant. Captive Mines as source of raw material and adjoining land with mines so transportation is minimized and tippers will be used for transport of finished goods.
- viii. For Raw material storage PP has proposed 130m x 90m area around 0.3 acre inside the plant, store around 250000 MT Iron Ore.
- ix. Drinking water is available through bore well whereas water requirement will be fulfilled through Narmada Canal, Rain Water storage from mines and Recycled water for dust suppression, beneficiation process, green belt suppression for project Total water requirement is about 50 KLD Narmada Canal, Rain Water storage from mines and Recycled water shall be used for dust suppression, beneficiation process, green belt suppression for project.
- x. There is no effluent let out from the Beneficiation Plant. Water from the Thickener & CVDF & Pressure Filter is also reclaimed and Recirculation water in the process. The underflow from solid waste thickener conveyed to filter press. The filtrate and overflow from thickeners, taken directly into recycling water system, then the same are conveyed to beneficiation plant.  
 Process water requirement: 1167 M3/hr  
 Water consumption/loss in the process : 46.0 M3/hr  
 Recycled water : 1121M3/hr  
 The overall consumption is 0.23 m3/ tone.  
 Therefore, water requirement for the whole plant is 46 M3/hr. Assuming 10 % losses in the handling
- xi. No construction or sewage waste is expected from the plant process. However the domestic waste from the toilets has been given treatment through septic tank and soaks pit arrangement. Industrial waste management: It is proposed to minimize the solid wastes in a rational manner, raising the rates of reuse and recycling, and reducing the quantity of tails.
- xii. During the process of iron ore beneficiation, part of the feed material is not usable. This part is called tail, which must be disposed of safely in order to ensure that the industrial waste is not discharged in to the water bodies. For this purpose, tailing thickener & pressure filter shall be considered accordingly, the objective of containing the tailings generated by the production process, thus preventing impact on other areas. In the Thickener & Pressure filter the tails get separated out & the water from tailing is re circulated to the Beneficiation Plant thus reducing the need of fresh water.
- xiii. From beneficiation plant, tailing shall be generated 3,16,000 TPA on dry basis with 15% moisture. About 1167 M3/hr process water is required for treating 200 TPH of feed out of which 1121 m3/hr can be recycled. The solid tailings to be used for Bricks manufacturing, land filling/ filling up of abandoned mines. Thus, comprehensive utilization of iron ore tailings and water will be efficient, economical, socially beneficial to improve environment. 22 Area required for filling tailing: Solid waste from the beneficiation process is ideally suitable for bricks, tiles & blocks making and would be marketed to local brick make.
- xiv. The power requirement for the project has been met through MP State Electricity Board, which is available at near village. Connecting load 4.4 MVA Continues load 2.2 MVA and Per ton power consumption 18.3 Kwh Per day power consumption 26400 kw.



- xv. During the process of iron ore beneficiation, part of the feed material is not usable. This part is called tail, which must be disposed of safely in order to ensure that the industrial waste is not discharged in to the water bodies. For this purpose, tailing thickener & pressure filter shall be considered accordingly, the objective of containing the tailings generated by the production process, thus preventing impact on other areas. In the Thickener & Pressure filter the tails get separated out & the water from tailing is re circulated to the Beneficiation Plant thus reducing the need of fresh water.
- xvi. The solid tailings to be used for Bricks manufacturing, land filling/ filling up of abandoned mines. Thus, comprehensive utilization of iron ore tailings and water will be efficient, economical, socially beneficial to improve environment.
- xvii. For the control of air pollution following measures will be adopted:-
- Water sprinkling system and bag filter will be provided at the crushing system. The same arrangement shall be maintained all the time.
  - Transportation of raw material is done through covered conveyor to prevent fugitive emission.
  - Greenbelt shall be developed 5 m all around the periphery of the plant to arrest the fugitive emissions.
  - Preventive maintenance of valves, flanges, joints, roof vents of storage vessels in practice. The fugitive dust emissions is controlled by installation of closed conveyor system along with suitable dust suppression measures:
  - In order to control the fugitive dust emissions due to transportation activity, major roads within the plant area has been asphalted. The road nearby the fly ash silo shall also be asphalted.
  - Storage area shall be clearly earmarked. Conveyors shall be provided with conveyor cover.
  - Maintenance of air pollution control equipment shall be done regularly.
  - Regular training shall be given to the personnel operating and maintaining fugitive emissions control systems
  - All transfer point locations will be fully enclosed.
  - Atomized water spraying system will be provided on raw material unloading hoppers.
  - Water Spray on roads and other areas by mobile tanker/water sprinklers.
  - All the Roads inside the plant premises are being concreted.
- xviii. Total land in possession is 30 acres and has been diverted for industrial purposes. . The beneficiation plant covers 1.6 acres whereas 10 acres of land is earmarked for green belt. PP has proposed total 10 acres will be covered with the good green belt and 10,500 trees will be planted.
- xix. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER).

| <b>Commitment towards public hearing Issue in terms of Physical Target</b> |
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| Total 100 man power will be required for the project. Employment Opportunity to local people shall be made available and total 90% of the of the total requirement shall be from nearby villages/Town. |
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Development aspect in terms of provision of infrastructure, Skill development programme, Jal Jiven Plan etc shall be executed. The details are as Follows :

- a. Facilitating self-employment skill generation vocational training programmes for creating better self employment ventures through inducing skill among the youths as per the requirements of the beneficiation plants of area and mining project ( 10 youth every year)
- b. Infrastructure facilities at schools of nearby villages in terms of provision of computers, teachers, facility of safe drinking water, separate toilets for girls and boys, provision of furniture, additional rooms for school Jhiti , Muhari and Bijayan
- c. execution of plumbing network for implementation of Jal Jivan Scheme either to villagers houses or at school in at Jhiti , Muhari and Bijayan and Aganwadi etc. in consultation with the local administration.
- d. Development of plantation with 500 no at common place /school/panchayat bhawan of village – Jhiti

Based on the information submitted at Para i to ix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 664<sup>th</sup> meeting held on 05.03.2021 and decided to accept the recommendations of 484<sup>th</sup> SEAC meeting held on dated 24.02.2021.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 & its amendments to the proposed Iron Ore beneficiation plant at Khasra No. 449, 451, 442, 443, 444, 448, 450, 453, 432, 434, 437, 438, 441, 445 & 452 Village - Jhiti Tahsil Sihora; District –Jabalpur (MP) Total Area: 30 acres Production Capacity : 4,80,000 Ton per Year Iron Ore Concentrate Final Product by Shri Varun Kumar Gautam, Director M/S GEOMIN IRON MANUFACTURING PRIVATE LIMITED Yash Tower, Pathak Ward, Katni MP 483501 subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

**A. Specific Conditions as recommended by SEIAA**

1. PP should ensure to construct 130m x 90m area around 0.3 acre inside the plant, for raw material storage around 250000 MT Iron Ore.
2. Garland drain surrounding the raw material storage area has to be constructed which shall be connected to the treatment plant. Efforts shall be made to make use of the rain water harvested.
3. Tailings generated from the process shall be used for brick manufacturing / building material as far as possible. Storing / dumping of this waste should be avoided. However, if stored or dumped, in abundant mine pit the ground water monitoring of the area has to be carried out periodically in consultation with MPPCB.
4. Dense green area (not less than 33% of the total plot area) shall be developed all around the site especially in the predominant wind direction.
5. Occupational health check-up camps shall be organized regularly and records of health of each and every worker should be maintained at site.
6. National Ambient Air Quality Standard issued by the Ministry vide GSR No. 826 (E) dated 16.11.2009 shall be followed.
7. Secondary fugitive emissions from all sources shall be controlled within latest permission limits issued by the Ministry and regularly monitored. Guidelines / Code or practice issued by CPCB shall be followed.
8. Regular monitoring of influent and effluents surface, sub-surface and ground water shall be ensured and treated waste water shall be re-cycled in the process. Leachate study for effluent generated & analyses should also be regularly carried out and report submitted to ministry and MPPCB.
9. Risk & Disaster Management Plan along with the mitigation measures should be prepared and copy shall be submitted to Ministry of Environment & Forests, GoI & MPPCB.



10. PP has proposed physical targets based on public hearing under Corporate Environment Responsibility (CER).

| <b>Commitment towards public hearing Issue in terms of Physical Target</b>   |
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| Total 100 man power will be required for the project. Employment Opportunity to local people shall be made available and total 90% of the of the total requirement shall be from nearby villages/Town.   |
| Development aspect in terms of provision of infrastructure, Skill development programme, Jal Jiven Plan etc shall be executed. The details are as Follows : <ul style="list-style-type: none"> <li>a. Facilitating self-employment skill generation vocational training programmes for creating better self employment ventures through inducing skill among the youths as per the requirements of the beneficiation plants of area and mining project ( 10 youth every year)</li> <li>b. Infrastructure facilities at schools of nearby villages in terms of provision of computers, teachers, facility of safe drinking water, separate toilets for girls and boys, provision of furniture, additional rooms for school Jhiti , Muhari and Bijayan</li> <li>c. execution of plumbing network for implementation of Jal Jivan Scheme either to villagers houses or at school in at Jhiti , Muhari and Bijayan and Aganwadi etc. in consultation with the local administration.</li> <li>d. Development of plantation with 500 no at common place /school/panchayat bhawan of village – Jhiti</li> </ul> |

11. PP should ensure to submit half yearly compliance report and CER activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC,GoI,Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

## **B. Specific Conditions as recommended by SEAC**

### **I Statutory Compliance**

- i. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
- ii. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time & permission of competent authority if ant tree falling is to be carried out.
- iii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

### **II. Air quality monitoring and preservation**

- i. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- ii. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS.
- iii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
- iv. DG exhaust will be discharged at height stipulated by CPCB.



- v. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vi. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

### **III. Water quality monitoring and preservation**

- i. About 1167 M3/hr process water is required for treating 200 TPH of feed out of which 1121 m3/hr can be recycled. There is no effluent let out from the Beneficiation Plant. Water from the Thickener & CVDF & Pressure Filter is also reclaimed and recirculating water in the process. Total water requirement is about 50 KLD Narmada Canal, Rain Water storage from mines and Recycled water shall be used for dust suppression, beneficiation process, green belt suppression for project. Prior permission shall be obtained from the concerned regulatory authority/CGWA ( If applicable) in this regard.
- ii. The project proponent shall provide online continuous monitoring of effluent (if applicable), the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- iii. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises, for which PP shall provide Thickener, Filter Press and recycling system for making system zero discharge
- iv. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
- v. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- vi. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vii. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- viii. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

### **IV Noise monitoring and prevention**

- i. Acoustic enclosure shall be provided to DG sets for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

### **V. Energy Conservation measures**

- i. The energy sources for lighting purposes shall preferably be LED based.



## VI. Waste management

- i. From beneficiation plant, tailing shall be generated 3,16,000 TPA on dry basis with 15% moisture. About 1167 M3/hr process water is required for treating 200 TPH of feed out of which 1121 m3/hr can be recycled. For this purpose, tailing thickener & pressure filter shall be provided. In the Thickener & Pressure filter the tails get separated out & the water from tailing is recirculated to the Beneficiation Plant thus reducing the need of fresh water. The solid tailings to be used for Bricks manufacturing, land filling/ filling up of abandoned mines.
- ii. Thus, comprehensive utilization of iron ore tailings and water will be efficient, economical, socially beneficial to improve environment.
- iii. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- iv. Hazardous wastes such as used oil, discarded drums, used carbon etc shall be directly sent to CTSD, Dhar.
- v. If any Flammable, ignitable, reactive and non-compatible wastes should be stored separately and never should be stored in the same storage shed.
- vi. Automatic smoke, heat detection system should be provided in the sheds. Adequate fire fighting systems should be provided for the storage area.
- vii. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
- viii. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
- ix. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
- x. Recent MSDS of all the chemicals used in the plant be displayed at appropriate places.
- xi. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
- xii. All the storage area of raw materials/products shall be fitted with appropriate controls to avoid any spillage / leakage. Bund/dyke walls of suitable height shall be provided to the storage tanks.
- xiii. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.
- xiv. The company shall undertake waste minimization measures as below:
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

## VII. Green Belt

- i. As proposed total 10 acres will be covered with the good green belt and 10,500 trees will be planted. The green belt of 5-10 m width will be developed mainly along the periphery and road side. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
- ii. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick



canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

- iii. PP shall also develop green belt over community places in consultation with gram panchayat

#### **VIII. Safety, Public hearing and Human health issues**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- v. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

#### **IX. EMP & Corporate Environment Policy**

- i. 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.
- ii. 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.
- iii. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
- iv. The proposed EMP cost is Rs. 64.79 Lakhs as capital and 19.20 Lakhs /year as recurring cost.
- v. PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).

| <b>Commitment towards public hearing Issue in terms of Physical Target</b>  |
|---|
| Total 100 manpower will be required for the project. Employment Opportunity to local people shall be made available and total 90% of the of the total requirement shall be from nearby villages/Town. |



Development aspect in terms of provision of infrastructure, Skill development programme, Jal Jiven Plan etc shall be executed. The details are as Follows :

- a. Facilitating self-employment skill generation vocational training programmes for creating better self employment ventures through inducing skill among the youths as per the requirements of the beneficiation plants of area and mining project ( 10 youth every year)
- b. Infrastructure facilities at schools of nearby villages in terms of provision of computers, teachers, facility of safe drinking water, separate toilets for girls and boys, provision of furniture, additional rooms for school Jhiti , Muhari and Bijayan
- c. execution of plumbing network for implementation of Jal Jivan Scheme either to villagers houses or at school in at Jhiti , Muhari and Bijayan and Aganwadi etc. in consultation with the local administration.
- d. Development of plantation with 500 no at common place /school/panchayat bhawan of village – Jhiti

- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- vii. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### **X. Miscellaneous**

- i. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- ii. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
- iii. 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.
- iv. 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).
- v. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any
- vi. 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules



and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

**Standard Conditions:**

1. Regular monitoring of influent and effluent, surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the MPPCB or described under the Environment (Protection) Act, 1986 whichever are more stringent.
2. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
3. 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 MoEF & CC, GoI, and its Regional Office, Bhopal.
4. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
5. 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 environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the MoEF & CC, GoI and State Level Environment Impact Assessment Authority (SEIAA) at [www.environmentclearance.nic.in](http://www.environmentclearance.nic.in) & [www.mpseiaa.nic.in](http://www.mpseiaa.nic.in) & and a copy of the same shall be forwarded to the Regional Office, MoEF & CC, GoI, Bhopal.
6. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
7. 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.
8. The Environmental Clearance shall be valid for a period of seven years from the date of issue EC as per EIA Notification, 2006 Para 9 & its amendments.
9. 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.
10. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/> and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also
11. 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 & CC, Gol.

12. The 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 start of the project.



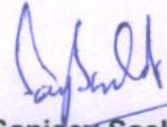
(B. Vijay Datta)  
Member Secretary

7619  
Endt No. / SEIAA/ 2021

Dated 24.3.21

Copy to:-

- (1). Principal Secretary, Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, MP Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal.
- (4). The Collector, District Jabalpur -M.P.
- (5). Deputy Secretary, Department of Commerce, Industry & Employment, Mantralaya, Bhopal.
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.



(Dr. Sanjeev Sachdev)  
Officer-in-Charge