

# State Level Environment Impact Assessment Authority



## Madhya Pradesh Government of India Ministry of Environment & Forests

### Research and Development Wing Madhya Pradesh Pollution Control Board

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No: 429/EPCO-SEIAA/11

Date: 27.08.2011

To,  
SVC Resources Ltd.  
Nabbharat, Udhoyg Bhawan,  
2nd Floor, Ring Road No. 1,  
Telibhandha,  
P. O. Ravigram,  
Distt. Raipur, Chhatisgarh  
Tel. No. 0771-4218325

**Sub: Case no. 542/2010,** Prior Environmental Clearance for Iron ore beneficiation plant for proudction capacity of 90000 MTPA at vill-Dhamki, Teh- Sihora, Distt. Jabalpur-M.P

This has reference to your letter No. Nil dated 26.03.2010 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 and pre-feasibility report and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee constituted by the competent authority in it meetings held on 07.01.2011.

2. It has been noted that the proposal is for Iron ore beneficiation plant for 90,000 T/year production capacity. The iron ore requirement for this would be 140.00 T/annm. The total plant area is 3.14 ha. The diversion of the land has already been carried out from agriculture to the commercial. An area of 1.25 ha shall be covered under green belt. There are no Wildlife Sanctuaries, National Parks, Tiger Reserves within 10 km of the lease boundary. The process include grinding to liberate Iran ore from dengue material, spiral classification to separated light particles, high intensity magnetic separation, reverse floatation, dewatering by thickeners and ceramic desk filter and press filter. Water requirement will be 2 Cubic m per hour, which will be met from ground water. Nearest Hiren river is about 12 km away. The discarded waste would be about 30% of the total requirements. Public hearing was conducted on 30.10.2010.
3. 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.
4. Based on the information submitted by you, as at Para 2 above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 62<sup>nd</sup> meeting held on 13.07.2011 and decided to accept the recommendations of 76<sup>th</sup> SEAC meeting held on 07.01.2011. Hence Prior Environmental Clearance is accorded to the above project under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions.

## A. Specific conditions

- i) Prior permission from the Competent Authority shall be obtained for extraction of water from Almati Dam.
- ii) Boundary wall of atleast 10 ft high (or as permissible by the competent authority) shall be first raised all around the Beneficiation Plant area except in areas wherever not feasible like Gates.
- iii) Adequate protection against dust and other environmental pollution due to working of the plant shall be made so that the children of the primary/secondary school(s) and human habitations (if any) located near the plant are not adversely affected. 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.
- iv) Shelter belt of atleast two tiers all along the sides facing the human habitation, school / agricultural fields etc. (if any in the vicinity) shall be raised.
- v) Action plan for abatement and compensation for damage to agricultural land/ common property land (if any) nearby shall be submitted to the Regional office of the Ministry of Environment and Forest at Bhopal within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the Regional office of the Ministry of Environment and Forest at Bhopal.
- vi) Maintenance of village roads through which transportation of ores for Beneficiation are undertaken shall be carried out by the company regularly at its own expenses. The roads shall be black topped.
- vii) Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional office of the Ministry of Environment and Forest at Bhopal **within six months** and thereafter every year from the next consequent year.
- viii) Ground water in the core zone 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 Forest at Bhopal regularly. Further, monitoring points shall be located between the plant and drainage (if any) in the direction of flow of ground water and records maintained.
- ix) Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional office of the Ministry of Environment and Forest at Bhopal.
- x) 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.
- xi) Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various

health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required.

- xii) Adequate plantation shall be raised. Green belt development covering an area of 1.25 ha shall be carried out as submitted by the project proponent in the executive summary of EIA considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department and will submit six monthly progress of the plantation. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The density of the trees shall not be less than 1000 plants per ha. The company shall involve local people with the help of self help group for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional office of the Ministry of Environment and Forest at Bhopal every year.
- xiii) Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year - pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MoEF, Central Ground Water Authority and Regional Director, Central Ground Water Board.
- xiv) Adequate air monitoring stations shall be installed in areas of human habitations near the plant and the results of ambient air quality shall be maintained and regularly submitted to the Regional office of the Ministry of Environment and Forest at Bhopal. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed at project site.
- xv) The waste water from the plant shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam (if any) shall be 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.
- xvi) 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.
- xvii) Project Proponent shall explore the possibility of using solar energy wherever possible.
- xviii) Prior permission from the Competent Authority shall be obtained for extraction of ground water (as applicable).
- xix) Action plan with respect to suggestions/improvements and recommendations made during public consultation/hearing shall be submitted to the Ministry and the State Govt **within six months**.
- xx) The solid waste management has to be taken up as per the proposal.
- xxi) All measures proposed for prevention of any discharge from the industry has to be implemented prior to the commencement of production.

## **B. General conditions**

- i) Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.

- ii) No change in the calendar plan including quantum of mineral and waste to be handled shall be made.
- iii) Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.
- iv) Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board.
- v) Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) 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.
- vi) Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.
- vii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
- viii) 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.
- ix) Provision shall be made for the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- x) 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.
- xi) The project authorities shall inform to the Regional office of the Ministry of Environment and Forest, Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- xii) 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.
- xiii) The Regional Office, MoEF, GoI, Bhopal shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other documents information should be given to Regional Office of the MoEF, GoI at Bhopal.
- xiv) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Regional office of the Ministry of Environment and Forest, Bhopal, Central Pollution Control Board and

State Pollution Control Board. The project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional office of the Ministry of Environment and Forest, Bhopal.

- xv) 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.
  - xvi) 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 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, GoI, Bhopal.
  - xvii) Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional office of the MoEF, Bhopal and to the competent authority of the State Government within six months.
5. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
  6. 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.
  7. 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.
  8. 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.

(Sd/-)  
**(Manohar Dubey)**  
Member Secretary

Endt No. 430/SEIAA/EPCO/11

Dated: 27.08.2011

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
3. Collector, Distt-Jabalpur-M.P
4. Divisional Forest Officer, Distt- Jabalpur-M.P
5. Division, Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
6. Regional Officer, Regional office of the MOEF, Bhopal
7. Guard file.

(Sd/-)  
Member Secretary