

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

**CHHATTISGARH
Government of India
Ministry of Environment and Forests**

Commercial Complex,
Chhattisgarh Housing Board Colony,
Kabir Nagar, Raipur (C.G.)
E-mail: seiaacg@gmail.com

No. 905/SEIAA-CG/ EC/ Mining /RYP /41/08

Raipur, Date 31 / 7 /2014

To,

M/s Jayaswal Neco,
Industries Limited
Siltara Growth Centre,
Siltara, Raipur (C.G.)

Sub: Environmental Clearance for Mining of Limestone of capacity 78,000 tonnes per annum (ROM) in mining lease area of 12.145 ha at Village – Manpur, Gram Pachayat – Ranjitpur, Tehsil & Block- Sahaspur-Lohara, District – Kabirdham (C.G.) – Regarding.

Ref: Your application letter no. nil, dated 25/06/2008 and subsequent correspondence ending dated: 05/06/2014.

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The undersigned is directed to refer to your communication dated 25/06/2008, 23/02/2009, 28/05/2009, 25/06/2009, 24/12/2009, 16/06/2010, 27/11/2010, 24/07/2013, 13/01/2014, and 05/06/2014 regarding the subject mentioned above.

You have applied to Ministry of Environment and Forests, Government of India for Environment Clearance vide letter dated 08/08/2007 for mining of 0.078 million tonnes per annum lime stone in Manpur in mining lease area of 12.145 ha. The proposal was considered for ToR presentation during appraisal committee meeting held on 12/12/2007. The ToR was granted by MoEF on 4th January 2008 vide letter no. J-11015/887/2007–IA.II(M). Public hearing was held on 17/10/2008 at Primary School Bhawan, Village – Manpur, Gram Pachayat – Ranjitpur, Tehsil & Block- Sahaspur-Lohara, District – Kabirdham (C.G.).

The project being in 'B' Category, Ministry of Environment and Forests, Government of India, New Delhi transferred the original file to SEIAA Chhattisgarh vide letter no. J-11015/887/2007–IA.II(M) dated 12/06/2008. Public hearing proceedings were received by SEIAA Chhattisgarh from Member Secretary, Chhattisgarh Environment Conservation Board, Raipur vide letter no. 8936/TS/CECB/2009 Raipur dated 19/01/2009. Project proponent has applied to SEIAA, Chhattisgarh for the grant of environmental clearance on 26/02/2009.

The case was considered in the 28th, 33rd, 43rd, 49th, 51st, 63rd, 71st, 111th, 126th and 140th meeting of SEAC, Chhattisgarh held on 31/03/09, 30/05/2009, 30/09/2009, 18/01/2010, 27/03/2010, 09/09/2010, 10/01/2011, 07/09/2013, 15/01/2014 and 06/06/2014 respectively. Project proponent made presentation in the 43rd and 140th meeting of SEAC, Chhattisgarh held on 30/09/2009 06/06/2014 respectively.

Shri D.L. Choudhary, President and Shri Vinod Mishra, Associate Head of M/s Jaysawal Neco Limited and Shri Umakant Rode from M/s Srushti Sewa Nagpur (Consultant) presented the case.

It is noted that M/s Srushti Sewa Nagpur has prepared revised final EIA report. National Accreditation Board for Education and Training has accredited M/s Srushti Sewa Nagpur from 15/05/2011 to 14/05/2014 vide letter dated 27/01/2012. Ambient air monitoring at nine locations, noise monitoring at ten locations, ground water / surface water monitoring at seven locations and soil monitoring at four locations have been carried out. Monitoring was carried out during 01/03/2011 to 30/05/2011.

During presentation it was noted that Manpur Open Cast Limestone Mine with capacity - 0.078 Million Ton /Annum is having total lease area 12.145 ha (30 acres). Government of Chhattisgarh, Mineral Resource Department vide letter no. 3-167/97/12/2, dated 22/06/1999 has allocated captive limestone located at Tehsil-Sahaspur Lohara, District Kabirdham, Chhattisgarh on an area of approximately 12.145 ha. Indian Bureau of Mines (IBM) has approved mine plan vide letter dated 14/09/1998. Mining lease deed executed with Chhattisgarh Government on 18/10/2000. Limestone shall be captive used for its Blast Furnace unit. Cost of the project is Rs. 50 lakhs. It is proposed to develop mine by open cast semi mechanized method. Mining operation involves drilling, blasting, screening and sizing. Mineable reserves is 21,88,687 tonnes. Life of mine is 28 years. During lease period 6.75 ha land will be excavated, out of which 0.288 ha land will be covered in afforestation. Scientific method of blasting will be done to avoid the vibration to the surrounding. Mining will be done up to 10 meter depth only; whereas the ground water level is at a depth of 15 meters. There will be no effect in ground water level. Water will be accumulated during rainy season in the pit which will recharge the ground water level of the area. There is a pathway passing through the lease hold area. The path way will be diverted outside the lease hold area by the project proponent. Wet drilling and water sprinkling on haul road will be done to avoid the generation of dust. Transportation shall be done by truck and / or tippers adopting mechanized loading. Water requirement will be met from bore well for drinking purpose (2 KL/Day), while mine seepage water will be used for sprinkling (10 KL/Day) on haul road and plantation purposes. During monsoon there will be accumulation of water in the excavated pits which is proposed to be dewatered into a sump and will be pumped into de-silting tanks. After adequate settling of solids, it will be used for dust suppression and plantation. No overburden or loose sediments will be kept on working benches. Check dam will be constructed around the dump prevent washing off loose sediments. Plantation for reclamation of degraded area and on waste rock deposition will be ensured. A green belt with thick canopy on total 10 ha safety area and mine lease boundary area shall be carried out. A commitment for expending 5% of royalty towards community development has been submitted. Ambient air quality data was monitored at 09 locations for PM₁₀ & PM_{2.5}, SO₂ and NO_x. The maximum 24 hourly concentration for PM₁₀ was 55.6 µg/cum observed at village Pipariya at S-E direction at the distance of 6.0 km and the minimum value of PM₁₀ was 30.1 µg/cum observed at village Bisatola at S-W direction at the distance of 3.5 km. The maximum 24 hourly concentration for PM_{2.5} was 26.2 µg/cum observed at village Kehka at South direction at the distance of 5.0 km and the minimum value of PM_{2.5} was 10.9 µg/cum observed at village Bisatola at S-W direction at the distance of 3.5 km. The maximum 24 hourly concentration for SO₂ was 16.0 µg/cum, observed at village Kaona Bundeli at N-E direction at the distance of 3.5 km and the minimum value of SO₂ was observed 6.1 µg/cum. The maximum 24 hourly concentration for NO_x was 14.0 µg/cum observed at village Pipariya at S-E direction at the distance of 6.0 km and the minimum value of NO_x was 3.2 µg/cum. There is no endangered flora and fauna present in the core as well as buffer zone. Certificate from DFO obtained in confirmation to the same.

Based on the consideration of the documents submitted, the presentation made by the project proponent, discussion held, the Committee unanimously recommended for grant of environmental clearance for mining of limestone of capacity 78,000 tonnes per annum (ROM) in mining lease area of 12.145 ha at Village – Manpur, Gram Pachayat – Ranjitpur, Tehsil & Block- Sahaspur-Lohara, District – Kabirdham (C.G.) subject to the fulfillment of the terms and conditions mentioned in minutes of the meeting.

SEIAA, Chhattisgarh perused the application submitted by the project proponent and minutes of the meeting of SEAC, Chhattisgarh in the 43rd meeting held on 05/07/2014. After deliberation, SEIAA, Chhattisgarh unanimously accepted the recommendation of SEAC, Chhattisgarh and decided to grant environmental clearance for mining of limestone of capacity 78,000 tonnes per annum (ROM) in mining lease area of 12.145 ha at Village – Manpur, Gram Pachayat – Ranjitpur, Tehsil & Block- Sahaspur-Lohara, District – Kabirdham (C.G.) subject to the fulfillment of the terms and conditions mentioned in the minutes of the meeting.

Accordingly, environmental clearance is hereby accorded for mining of limestone of capacity 78,000 tonnes per annum (ROM) in mining lease area of 12.145 ha at Village – Manpur, Gram Pachayat – Ranjitpur, Tehsil & Block- Sahaspur-Lohara, District – Kabirdham (C.G.) subject to fulfillment of the terms and conditions mentioned below:-

A. Specific Conditions

- i. No two pits shall be simultaneously worked i.e before the first pit is exhausted and reclamation work completed, no mineral bearing area shall be worked. Maximum depth of the mine shall not be more than 10 meters. Underground water table shall not be encountered due to any mining operations under any circumstances.
- ii. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process shall follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any ore bearing area is worked.
- iii. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
- iv. Fugitive dust generation shall be controlled. Fugitive dust emission shall be relatively monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and periodic reports shall be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.
- v. Project authority shall ensure outlet dust (particulate matter) emission less than 50 mg/Nm³. Project authority shall conform to the standards prescribed in schedule – I of Environment (Protection) Rules, 1986 (as amended) by Ministry of Environment and Forests, Government of India. The Chhattisgarh Environment Conservation Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emission level shall go beyond the prescribed standards.

- vi. Shelter belt i.e. wind break of 30 m width and consisting of at least 5 tiers around lease facing the school / habitation / agriculture fields (if any in the vicinity) shall be raised.
- vii. A 50 m barrier of no mining zone all along the side(s) facing the nallah (if any) passing through the lease area or passing adjacent to the lease shall be demarcated and thick vegetation of native species raised in the said barrier. Status of implementation shall be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal half yearly basis.
- viii. It shall be ensured that no silt originating due to mining activity is transported to the any surface water course running in and around the lease area.
- ix. Need based assessment of the nearby villages shall be conducted to study economic measures which can help in up-liftment of poor section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchids, vocational training etc. can form a part of such programme. Project authority shall provide separate budget for community development activities and income generating programmes. This shall be addition to vocational training for individuals imparted to take up self employment and jobs.
- x. Project authority shall adopt additional two villages for community development works in order to improve the amenities as a part of commitment towards social and economic up-liftment of the area. As per demand of public, the proposal for providing cement on the concession rates to the local people will be implemented shortly.
- xi. Land use pattern of the near-by villages shall be studied and action plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages, due to mining activity shall be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal from time to time.
- xii. Maintenance of village roads through which transportation of ores are undertaken shall be carried out by the project authority regularly at its own expenses. The roads shall be black topped.
- xiii. Project authority shall adopt rainwater-harvesting technique in the project area for recharge of ground water. The rainwater-harvesting technique shall be incorporated right from the design stage of all structures. Project authority shall develop rainwater-harvesting structures to harvest the rainwater for utilization in the lean season as well as to recharge the ground water table. A detailed scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority / State Ground Water Board. A copy of the same shall be submitted within three months to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment

Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. Prior permission from the competent authority shall be obtained for extraction of ground water and project authority shall submit permission from Central Ground Water Board for withdrawal of ground water.

- xiv. Measures of 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 mating 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.
- xv. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50 % safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals. Trenches / garlands drains shall be constructed at foot of dumps installed at regular intervals to arrest silt from being carried out top water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal / perennial nallahs (if any) flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.
- xvi. Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be up and records maintained.
- xvii. Cultivable waste land (within 5 km of the lease) shall be identified and fodder farming or other suitable productive use of waste land shall be taken up in phased manner. Status of implementation shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.
- xviii. Adequate protection against dust and other environmental pollution arising due to mining activity shall be made so that human habitation located near the lease (as applicable) are not adversely affected. The status of implementation shall be reported to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal and work shall be completed before start of mining.
- xix. Monitoring of soil samples for assessment of contamination due to mining activity (as applicable) shall be regularly conducted and records maintained.
- xx. Transportation of limestone shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of lime stone / dust takes place.

- xxi. Occupational health and safety measures of the workers including identification of work related health hazards, training on materials eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The Project authority shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to repairable 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 intervals of five years or less) shall be conducted followed by follow up action where ever required.
- xxii. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out areas. Top soil shall be separately stacked for utilizing later for reclamation and shall not be stacked along with overburden.
- xxiii. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 06 meter and overall slope of the dump shall not exceed 28 deg. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
- xxiv. A study shall be commissioned to study the various slope stability parameters to reach at the optimum slope angle. Appropriate factor of safety shall be adopted based on the study and sensitivity analysis of critical parameters of slope stability.
- xxv. Study report on subsidence and stage wise development plan starting from 5th year of operation till the end of the mine at an interval of 5 years should be submitted. Regular monitoring of subsidence movement on the surface over working area and impact on water bodies / vegetation / structures / surrounding should be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate measures should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast and clayey soil / suitable material.
- xxvi. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal on six monthly basis.
- xxvii. Adequate plantation shall be raised in the mining lease area, haul roads, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agricultural Departments. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. A wide green belt of broad leaf local species shall be developed in at least 33% of the project area. The density of the trees shall not be less than 2500 plants per ha. The project authority shall involve local people with the help of self help group for plantation programme. Details of year wise afforestation programme including rehabilitation of mines out area shall be submitted to the Chhattisgarh Environment Conservation Board,

Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal every year.

- xxviii. 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 the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal, Central Ground Water Authority and Regional Director, Central Ground Water Board.
- xxix. Adequate air monitoring stations shall be installed in the areas of human habitations near the mine and the results of ambient air quality shall be maintained and regularly submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.
- xxx. The waste water from the mine shall be treated to conform to the prescribe standards before reuse in different purpose. The discharged water from the settling pond shall be regularly monitored and report submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal, Central Pollution Control Board.
- xxxi. 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 Vehicles Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of lime stone for transportation shall be committed.
- xxxii. Detailed action plan with respect to suggestions / improvements and recommendations made during public consultation / hearing shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh, Government of Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal within six months. Implementation status shall be submitted every six month regularly
- xxxiii. A final mine closure plan, along with details of corpus fund shall be submitted to the SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal, in 5 years in advance of the final mine closure for approval.

B. General conditions

- i. No change in mining technology and scope of working shall be made without prior approval of SEIAA, Chhattisgarh.
- ii. No change in calendar plan including excavation, quantum of mineral and waste shall be made.


- iii. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and at regular 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 PM_{2.5}, PM₁₀, SO₂, NO_x 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 Chhattisgarh Environment Conservation Board.
- v. Data on ambient air quality (PM_{2.5}, PM₁₀, SO₂, NO_x) should be regularly submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh, Government of Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal and Central Pollution Control Board once in six months.
- vi. Project authority shall take proper action to control the noise pollution. Workers engaged in operations of HEMM etc. shall be provided with ear plugs, muffs. The noise level shall not exceed the limits 75 dB (A) during the daytime and 70 dB (A) during the night time within the mine premises. Project authority shall take adequate measures for control of noise level below 85 dB (A) in the work environment. Workers engaged in noisy areas shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including rotating them to non-noisy/ less noisy areas.
- vii. Project authority shall provide adequate facility for proper treatment of industrial effluent mine water and domestic effluent. Project authority shall provide effluent treatment plant. Treated / un-treated effluent collection pond shall be lined suitably to prevent seepage in to ground for avoiding ground water contamination. All the effluent treatment system shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay otherwise similar alternate arrangement shall be made. Project authority shall ensure the treated effluent quality within standard prescribed by Ministry of Environment & Forests, Government of India.
- viii. Any liquid effluent what so ever generated from industrial and mining activities shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process / plantation. All the industrial effluent generated shall be re-circulated / reused after proper treatment. Project authority shall provide sewage treatment plant of adequate capacity for treatment of domestic effluent generated. The un-treated / treated domestic effluent shall not be discharge into the river or any surface water bodies. The treated domestic effluent shall be used for plantation purpose after proper disinfection. Project authority shall make proper arrangements of suitable drains / pipe networks to ensure adequate flow for utilization of treated effluent inside the premises. The concept of zero discharge shall be maintained all the time except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.
- ix. Project authority shall provide adequate measuring arrangements for the measurement of water utilized in different categories and effluent generated before commissioning of the mining activity.

- x. Personal 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.
- xi. Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the factories Act and records shall be maintained properly for at-least 30-40 years.
- xii. The project authority shall also comply with all the environmental protection measures and safe guards recommended in the EIA/EMP report.
- xiii. Provisions shall be made for the housing 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- xiv. Project authority shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who shall directly report to the head of organization. A full-fledged laboratory with qualified technical/scientific staffs to monitor the influent, effluent, ground water, surface water, soil and ambient air quality etc. shall be provided.
- xv. Adequate funds shall be allocated for undertaking CSR activities (community welfare, environmental development activities apart from committed plantation) and in any case it shall not be less than 5% of the royalty along with 10% annual increase in subsequent years. Details of activities shall also be submitted to Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. Piped drinking water, school, development of pastureland for cattle feed and medical facilities as desired by Gram Panchayat(s) to be provided. Local labourers shall be given employment in the mines.
- xvi. The issuance of this environmental clearance does not convey any property rights in either real or personal property, or any exclusive privileges, nor does not authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.
- xvii. SEIAA, Chhattisgarh reserves the right to amend / cancel any of the conditions and add new conditions and make further stringent the emission / effluent limit as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.
- xviii. Project authority shall ensure the generation of employment in the local areas, recruitment shall be done by inviting applications first from the local residents of the Chhattisgarh State. In case of non-availability of suitable candidates for certain post in the first attempt, the project authority may call

the applications as second call not only from local residents of the Chhattisgarh State but also from other State.

- xix. The project authority shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also be seen at Website of the Ministry of Environment and Forests at www.envfor.nic.in and website of SEIAA, Chhattisgarh at www.seiaacg.org.
- xx. Half yearly report on the status of implementation of the stipulated conditions, monitoring data along with statistical interpretation and environment safeguards shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bhilai-Durg, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.
- xxi. Regional Office of the Ministry of Environment and Forests at Bhopal shall monitor the implementation of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.
- xxii. The project authority shall inform the Regional Office as well as the SEIAA, Chhattisgarh regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of commissioning of plant.
- xxiii. Full cooperation shall be extended to the Scientists / Officers from the SEIAA, Chhattisgarh, Ministry of Environment & Forests, Government of India / Regional Office, Ministry of Environment & Forests, Government of India, Bhopal / the CPCB / Chhattisgarh Environment Conservation Board, who shall be monitoring the compliance of environment status.
- xxiv. In case of any deviation or alteration in the proposed project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the condition(s) imposed and to add additional environment protection measures required, if any. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests, Government of India / SEIAA, Chhattisgarh.
- xxv. The project authority must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.
- xxvi. The above stipulations shall be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling and Trans Boundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.
- xxvii. A copy of clearance letter shall be marked to concerned Panchayat / local / NGO if any, from whom suggestion / representation has been received while processing the proposal.


- xxviii. Chhattisgarh Environment Conservation Board shall display a copy of the clearance letter at the Regional Office, District Trade and Industries Centre and Collector's Office / Tehsildar's Office for 30 days.
- xxix. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Member Secretary
State EIA Authority, Chhattisgarh
Raipur (C.G.)

Endt. No. /SEIAA-CG/ EC/ Mining /RYP /41/08 Raipur, Date / /2014

Copy to:-

1. The Principal Secretary, Department of Environment, Mantralaya Chhattisgarh, Raipur-492001
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, Delhi – 100 032.
3. The Chairman, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.).
4. Director, Ministry of Environment & Forests, Government of India, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
5. The Chief Conservator of Forests (C) Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No.-3, E-5, Arera Colony, Bhopal.
6. Regional Officer, Chhattisgarh Environment Conservation Board, Durg-Bhilai (C.G.) for information and necessary action please.


Member Secretary
State EIA Authority, Chhattisgarh
Raipur (C.G.)