

No. J-11015/94/2014-IA-II (M)
Government of India
Ministry of Environment, Forest & Climate Change
IA II (Coal Mining) Division

Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi-110003
Dated: 12th March, 2015

To,

The Group General Manager
M/s Rajasthan State Mines & Minerals Limited.,
(A Government of Rajasthan Enterprise)
Khaniz Bhawan, Udhayog Bhawan, C-Scheme
Tilak Marg, Jaipur- 302005
Rajasthan.

Sub. : Giral Lignite Mines project (1 MTPA in an ML area of 2655.70 ha; Latitude N-26° 01' 24" to 26° 05'16" and longitude E-71° 13'47" to 71° 16'43") of M/s Rajasthan State Mines & Minerals Limited, District Barmer, Rajasthan- Environmental Clearance - reg.

Sir,

This is with reference to letter no RSMML/SBU(I)/F.3(1)/15/2003/4551 dated 25.02.2014, with the application for Terms of Reference (TOR) and this Ministry's letter dated 10.09.2014 granting TOR. Reference is also invited to the letter no RSMML/SBU(I)/F.3(1)/15/2003/399 dated 18.12.2014 and subsequent letter nos. dated 29.12.2014, 02.01.2015; 09.01.2015; and 15.1.2015 for Environmental Clearance on the above-mentioned project.

2. The Ministry of Environment, Forest & Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance for Giral Lignite Mines project (1 MTPA in an ML area of 2655.70 ha; Latitude N-26° 01' 24" to 26° 05'16" and longitude E-71° 13'47" to 71° 16'43") of M/s Rajasthan State Mines & Minerals Limited, District Barmer, Rajasthan. The proposal was considered in the 29th EAC meeting held on 15th -16th January, 2015. The proponent has informed that:

- i. The project was accorded EC vide letter no. J-11015/163/2005-IA-II(M) dated 03.01.2006
- ii. The latitude and longitude of the project are 26° 01' 24" to 26° 05'16" N and 71° 13'47" to 71° 16'43" E respectively.
- iii. Giral Lignite Mine in the opencast lignite mine in the state of Rajasthan which is operational since 1994. First Environmental Clearance (EC) was accorded on 12.12.1994 under the EIA Notification, 1994. 1st Mining Plan (0.3 MTPA) was approved on 21.03.1994. EC for expansion of production from 0.3 MTPA to 1 MTPA, was granted on 03-01-2006. 2nd Mining Plan (1.0 MTPA) was approved on 14.01.2005. Renewal application for ML area of 2655.70 ha has been applied on 11.11.2013.
- iv. As the mining lease period, expired in December 2014, a fresh EC is required to be sought from MOEF & CC as per EIA Notification 2006. Mine Closure Plan approved on 19.12.2014 by Ministry of Coal.
- v. Joint Venture: No Joint Venture
- vi. Coal Linkage: Linked with 125 MW Power plant of RVUNL(State PSU) at Giral, Barmer, Rajasthan.
- vii. The land usage of the project will be as follows:

Giral_OCP_EC

Pre-Mining:

Details of land use	Within M.L. Area (ha)	Outside M.L. Area (ha)	Total (ha)
Agriculture land	1975.04	-	1975.04
Forest Land	-	-	-
Wasteland	142.88	-	142.88
Grazing land	471.41	-	471.41
Surface water bodies	3.685	-	3.685
Settlement	41.00	-	41.00
Others (specify)	21.685	-	21.685
Total	2655.7	-	2655.7

Post- Mining:

Description of area	Land use (ha)					Total
	Public use	Plantation/ forest	Agriculture	Void/ Water body	Others	
External dump	0	0	133.31	0	0	133.31
Excavation	0	40.54	847.58	212.57	0	1100.77
Infrastructure	2.99	0.52	0	0	0	3.51
Power plant	0	0	125	0	0	125
Storage of top soil	0	0	12	0	0	12
Green Belt	0	75	0	0	0	75
Effluent treatment plant	0	0	1	0	0	1
Others	0	0	-	0	1205.12	1205.12
Total		116.06	1118.9	212.57	1205.12	2655.7

viii. The total geological reserve is 56.368 MT. The mineable reserve 37.510MT, extractable reserve is 33.392MT. The per cent of extraction would be 95 %. Balance Lignite Reserves as on 31.03.2014 are as follows:

Name of Sub-block	Balance economic reserves as on 31st March 2004 (MT) as per approved Mining plan (Nov 2004 version)	Extractable Reserves after considering 5% mining losses (95% of column 2)	Extracted reserves upto 31st March 2014 (MT)	Balance extractable reserves as on 31st March 2014 (MT)
Giral	13.67	12.986	4.85	8.136
Jalilo	13.59	12.91	2.51	10.40
Thumbli	7.89	7.496	0	7.496
Total	35.15	33.392	7.36	26.032

- ix. The coal grade is 2010-4060 Kcal/kg. The stripping ratio is 1:13.50. The average Gradient is Gental dips (01°- 03 °). There will be 1-5 (3 Horizons) seams with thickness ranging 0.3 to 3.20.
- x. The total estimated water requirement is 190 m³/day. The level of ground water ranges from 90m to 110 m.
- xi. The method of mining would be by Mechanized Opencast.
- xii. There are three external OB dumps with 26.95 Mbcm in an area of 133.31ha with height of 30 meter above the surface level and 03 internal dump with Quantity of 439.95 Mbcm in an area of

- 888.20 ha.
- xiii. The final mine void would be in 212.57 Ha with depth of 44.0-80.0 m. and the Total quarry area is 1100.77 Ha. Back filled quarry area of 888.20 Ha shall be reclaimed with plantation. A void of 212.57 ha with depth varying between 44 to 80.0 which is proposed to be converted into a water body.
 - xiv. The seasonal data for ambient air quality has been documented and all results at all stations are within prescribed limits.
 - xv. The life of mine is 27 Years.
 - xvi. **Transportation:** Coal transportation in pit by Dumpers, Surface to TPP located 200 m to 2 km from mine by dumpers.
 - xvii. There is R & R involved. There are 150 PAFs.
 - xviii. **Cost:** Total capital cost of the project is Rs. 33.6628 Crores. CSR Cost Rs. 3.24 crores. R&R Cost 78.13. Environmental Management Cost is Rs13.92 Crores.
 - xix. **Water body :** There is no river Allah flowing adjacent to the mine
 - xx. **Approvals:** Water is sourced from JGNP canal under allocations of 12.0 cusec. of water for thermal Power plant (Giral Unit I & II of 125 MW each) and mining Projects, jointly, Board's approval obtained on 28.11.2013. Mining plan has been approved on 14.01.2005. Mine Closure Plan approval on 19.12.2014.
 - xxi. **Wildlife issues:** There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
 - xxii. **Forestry issues:** There is no forest area involved.
 - xxiii. **Total afforestation plan** shall be implemented covering an area of 1221.95 Ha at the end of mining. Green Belt is over an area of 75.00 Ha. Density of tree plantation shall be 2500 trees/ha.
 - xxiv. There are no court cases/violation pending with the project proponent.
 - xxv. **Public Hearing** was held on 05.11.2014. The issues raised in the PII includes electricity, roads and medical facilities; transportation of lignite; land acquisition etc.
 - xxvi. The proponent has submitted the **Compliance Report** Certified by the RO, MOEF vide letter IV/ENV/R/MINE-266/390/2008/645 dated 20.08.2014.

3. Proponent further submitted that:

- i. The Thermal Power Plant is located on non-lignite bearing area.
- ii. The site selected is for O.B. dumping. Mining Plan was prepared and approved considering the mining over this area with ratios upto 1:15.
- iii. The area of 222.90 Ha. meant for voids was as per the approved Mining Plan of 2005. However, in the recent Mine Closure Plan approved in December 2014, post closure void area has been kept as 212.57 ha; comprising of 102.27 ha, 37.12 ha and 73.18 ha for Jalilo, Giral and Thumbli blocks respectively. All the O.B lying in surface dump yards/Crown dumps would be completely utilized for backfilling of excavated areas. There will be no external dumping sites on the closure of mine. All three voids located in different blocks will be developed for water storage ponds for rain water harvesting purpose, as the relevant area is lying in water scarcity zone/low rain fall area. This water body will be utilized for, irrigation purposes and will also attract wildlife of the region.
 - a) Exploration to an average depth of 150m has been undertaken by MECL.
 - b) Moreover, only 1380.13 Ha of land has been acquired so far in three stage against total lease area of 2655.70 ha. In case of undertaking of mining at higher stripping ratios particularly for peripheral boreholes of different sub-blocks and NE corner of lease may also lead further acquisition of land in fourth phase.
 - c) The land owners have been paid compensation for acquisition of land are being allowed to undertake agriculture in their respective unutilized pieces of land in mine lease area which

is contributing not only in their economic welfare but also contributing towards enhancement of environmental standards apart from their contribution to the national economy.

- iv. Conservation plan for flora and fauna has been submitted to DCF, Forest Department, Government of Rajasthan on 25th November 2014 and the same has also been forwarded to Chief Wildlife Warden vide letter dated 12th December 2014; with an initial provision of Rs.24 Lac in the first 7 years.
- v. An area of 1640 ha been explored so far with 229 number of borehole of 20487.50 m of drilling by MECL in the past and again by RSMML through MECL itself for the purposes of infilling drilling and selecting O.B. dumping site
- vi. The variations in ambient air quality in different locations can be for various reasons as under:
 - a) It depends on the site specific from which air sample has been drawn.
 - b) There are different levels of mining operations like working at pit bottom, working at in between benches for back filling or advancing faces, traffic on public road in between the mining pit and nearby villages; causing pollution, movement of dumpers on surface for O.B dumping in nearby pit, wind direction etc., and these could be some of the reasons for variations in the ambient air quality.
- vii. No subsurface water has been encountered so far, during last 20 years, while mining to a depth of 60 m in Giral Mines. There are no tube-wells existing in the lease area. Water table will not be intersected during mining of lignite. As most of the region is covered by impervious clayey materials; and so, water does not infiltrate into lower strata; making this area water deficient.
- viii. Pucca dwelling structures are being provided to the contractor's employees along with quality food, R.O water, electricity, water for other uses etc., free of cost. Apart from it, initial and periodical health checkup of contractor employee; through National Institute of Health, Nagpur, or, through RSMML's Doctors, workers are provided with protective respiratory devices, ear plugs/ear muffs, safety belts, safety boots etc., by mining contractors; including conducting vocational training in VTC of the mines by RSMML.
- ix. Details of excavated, backfilled and biological reclaimed area:
 - (a) Excavated area= 286.80 ha
 - (b) Backfilled area= 146.16 ha
 - (c) Biological reclaimed area= 206.13 ha
- x. Against the originally planned O.B dump area for the three sub-blocks being 157.28 ha the same has now been reduced to 133.31 ha based on actual mining undertaken so far as per mine closure plan approved recently in the month of December 2014. There will be no surface dump at the end of mine life as all the O.B dumps would be re-handled and backfilled leaving 03 voids.

4. The proposal was considered in the Expert Appraisal Committee (EAC) (Thermal & Coal Mining) and recommended in 29th EAC meeting held on 15th -16th January, 2015 for granting Environmental Clearance. The Ministry of Environment, Forests and Climate Change hereby accords environmental clearance for the above-mentioned Giral Lignite Mines project (I MTPA in an ML area of 2655.70 ha; Latitude N-26° 01' 24" to 26° 05' 16" and longitude E-71° 13' 47" to 71° 16' 43") of M/s Rajasthan State Mines & Minerals Limited, District Barmer, Rajasthan under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the terms and conditions mentioned below:

A. Specific Conditions:

- i. The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.
- ii. The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.

- iii. Coal transportation in pit by Tippers, Surface to Siding by Tippers and loading at siding by Pay loader.
- iv. There shall be no external OB dumps.
- v. The contractual laborers shall be provided with housing facilities at work place.
- vi. All three voids left after filling of the excavated area located in different blocks will be developed as water storage ponds.
- vii. The depth of the internal void shall be 35 m from the ground level and should be adequate for fishery purpose.
- viii. All safety measures shall be taken as per CMR, 1957 & related Circulars
- ix. The production shall be within the same Mining Lease area.
- x. The OB shall be completely re-handled at the end of the mining and will be back filled upto the ground level and covered with about a meter thick top soil and put to use. The land after mining shall be brought back for agriculture purpose.
- xi. Garland drains be provided.
- xii. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.
- xiii. The CSR cost should be Rs 5 per Tonnes of Coal produced which should be adjusted as per the annual inflation.
- xiv. Everybody in the core area should be provided with mask for protection against fugitive dust emissions.
- xv. Dust mask to be provided to everyone working in the mining area.
- xvi. The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.
- xvii. People working in the core area should be periodically tested for the lung diseases and the burden of cost on account of working in the coal mine area.
- xviii. The mining area should be surrounded by green belt having thick closed thick canopy of the tree cover.
- xix. The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side and stabilised with plantation so as to withstand the peak water flow and prevent mine inundation.
- xx. There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.
- xxi. Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall 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.
- xxii. Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- xxiii. Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.
- xxiv. Drills shall be wet operated.
- xxv. The project authorities shall undertake regular repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.
- xxvi. Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.

- xxvii. A Progressive afforestation plan shall be implemented covering an area of 892.38 ha at the end of mining, which includes reclaimed External OB dump area (157.28 ha), Internal OB dump area (660.10 ha), Green belt (75.00 ha) and in township located outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 1000 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.
- xxviii. An estimated total 5023.805 Mm³ of OB will be generated during the entire life of the mine. Out of which 386.855 Mm³ of OB will be dumped in three external OB Dumps an earmarked area covering 157.28 ha of land with height of 30 meter in 3 lifts. 4636.95 Mm³ of will be three internal OB dump in covering an area of 660.10 ha with height of 12 metres each lift. The maximum height of external OB dump for hard OB will not exceed 90 m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self-sustaining and compliance status shall be submitted to MOEF and its Regional Office on yearly basis.
- xxix. The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.
- xxx. Compensatory Ecological & Restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out.
- xxxi. The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.
- xxxii. No groundwater shall be used for mining operations.
- xxxiii. Of the total quarry area of 883 ha, the backfilled quarry area of 660.10 ha shall be reclaimed with plantation and a void of 222.90 ha at a depth of 40 m which is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilised with plantation/afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.
- xxxiv. Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment, Forests & climate change and the Central Pollution Control Board quarterly within one month of monitoring.
- xxxv. The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- xxxvi. Sewage treatment plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP wastewater.
- xxxvii. Besides carrying out regular periodic health check-up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency /institution within the District/State and the results reported to this Ministry and to DGMS.
- xxxviii. Land oustees shall be compensated as per the norms laid out R&R Policy of CIL, or the National R&R Policy or R&R Policy of the State Government whichever is higher.
- xxxix. For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF&CC and its concerned Regional office.
- xl. A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forests & Climate Change within 6 months of grant of Environmental Clearance.

- xli. The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.
- xlii. Corporate Environment Responsibility.
- a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.
 - c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

B. General Conditions

- i. No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forests & Climate Change.
- ii. No change in the calendar plan of production for quantum of mineral coal shall be made.
- iii. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.
- iv. Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂ and NO_x) and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EPA rules, 1986 shall be furnished as part of compliance report.
- v. Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.
- vi. Industrial wastewater (workshop and wastewater from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.
- vii. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.
- viii. Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EPA Rules, 1986.
- ix. Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.
- x. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.

- xi. 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 company.
- 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 this Ministry and its concerned Regional Office.
- xiii. The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days 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 may also be seen at the website of the Ministry of Environment, Forests & Climate Change at <http://envfor.nic.in>
- xiv. A copy of the environmental clearance letter shall be marked to concern Panchayat/Zila Parishad, Municipal Corporation or Urban local body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.
- xv. A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.
- xvi. The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM₁₀, PM_{2.5}, SO₂ and NO_x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.
- xvii. The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office s of CPCB and the SPCB.
- xviii. The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.
- xix. The Environmental statement for each financial year ending 31 March in For -V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.

5. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.

6. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent

7. The proponent is required to obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

8. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

9. The Proponent shall setup an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions

10. 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.

11. 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 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. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.

12. 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.

13. This EC supersedes the earlier ECs, vide letter no. J-11015/153/94-IA-II(M) dt.12.12.1994 and J-11015/163/2005-IA-II(M) dated 03.01.2006.


(Dr. Manoranjan Hota)
Director

Copy to:

1. Secretary, Ministry of Coal, New Delhi.
2. Secretary, Department of Environment & Forests, Government of Rajasthan, Secretariat, Jaipur.
3. Chief Conservator of Forests, Regional office (CZ), Ministry of Environment & Forests, Kendriya Bhawan, 5th floor, Sector 11, Aliganj, Lucknow-226024.
4. Member Secretary Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur
5. Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
6. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. District Collector, Barmer, Government of Rajasthan.
8. Monitoring File 9. Guard File 10. Record File 11. Notice Board


(Dr. Manoranjan Hota)
Director