No.J-11015/323/2005-JA . II (M)  
Government of India  
Ministry of Environment & Forests  
Paryavaran Bhawan,  
C.G.O.Complex,Lodi  
Road, New Delhi — 110 003

Dated: 13th January 2006

To
Shri S.N. Gupta,  
Project Manager,  
M/s National Mineral Development Corp. Ltd.,  
Panna Diamond Mining Project,  
Mahgawan - 488101,  
PANNA, (MP.)

Subject:  Panna Diamond Mine (40,000 carats to 1,00,000 carats) of M/s National Mineral Development Corp. Ltd., at Village Majhgawan, Tehsil & District Panna, Madhya Pradesh—environmental clearance req.

Sir
This has reference to the Government of India, Ministry of Steel letter No.4 (1)/2004-RM.I dated 17.08.2005 forwarding your application and subsequent letters dated 30.08.2005 and 16.11.2005 and your letters dated 25.08.2005, 29.08.2005, 19.09.2005, 03.11.2005 and 13.12.2005 on the subject mentioned above. The Ministry of Environment and Forests has examined the application. It has been noted that the proposal is for expansion in production of diamond in the existing Panna Diamond Mine over a total mining lease area of 275.963 ha located within the Panna (Gargau) Wildlife Sanctuary and is adjacent to the Panna National Park which is also a Tiger Reserve. The project does not involve displacement of population. Of the total lease area, area to be excavated is 13.30 ha, 20 ha is for OB dumps, 0.50 ha is for mineral storage, 1.08 ha is for infrastructure, 0.52 ha is for roads, 9.43 ha is for green belt, 6.63 ha is for tailings pond, 0.25 ha is for effluent treatment plant, 4.64 ha is for township, 1.24 ha is from magazine storage, 6.33 ha is open channel and reservoir and 49.112 ha is undisturbed land. Mining is Open cast by mechanized method and involves drilling & blasting. The project is for expansion in production of diamonds from an annual targeted capacity of 40,000 carats per annum to 1,00,000 carats per annum. No additional area will be broken in the existing mine. The project involves mineral beneficiation. The total quantum of diamonds transported out of the lease area is 16 kg per year. Mining is proposed upto 150 m below ground level (bgl). Water table is 1.06 - 4.30 m bgl. Mining has intersected water table. Peak water requirement of 11,579 m³/day will be met from recycled water, (7440 m³/d), makeup water (3203 m³/d), mine sump water (40 m³/d) and from reservoir (8,336 m³/d). A total of 8,800 m³/d of water is required for mineral beneficiation of which 7040 m³/d is recycled. An estimated 5600 m³/month of sandstone and 22,000 m³/month OB is generated, which is stored in external OB dumps. Backfilling is not proposed until end of mine life. Life of the mine at the rated capacity is 12-13 years. IBM has approved the Mining Plan on 18.03.2001. No Objection Certificate has been obtained from the State Pollution Control Board on 25.04.2003, Public Hearing was held on 27.03.2003. Capital cost of the project is Rs. 4422.08 lakhs.

2/-
2.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above mentioned Panna Diamond Mine of M/s National Mineral Development Corp. Ltd. for expansion in production of diamonds from 40,000 carats to 1,00,000 carats involving lease area of 275.963 ha under the provisions of the Environmental impact Assessment Notification, 1994 and subsequent amendments thereto subject to compliance of the terms and conditions mentioned below:

A. Specific conditions

(i) The project clearance is subject to the acceptance by the Standing Committee of the National Board of Wildlife as well as the Supreme Court of India.

(ii) Prior permission of the Chief Wildlife Warden shall be obtained for mining within the Panna (Gangau) Wildlife Sanctuary and adjacent to the Panna National Park.

(iii) A Plan for conservation of endangered flora and fauna in and around the mine area shall be prepared and implemented in consultation with identified agencies/institutions and with the State Forest Department. The Plan should be dovetailed with that prepared/under implementation/proposed for the endangered fauna found in the buffer zone of the mine site. The costs for the specific activities/tasks should be earmarked in the Conservation Plan and shall not be diverted for any other purpose. Year-wise status of the implementation of the Plan and the expenditure thereon should be reported to the Ministry of Environment and Forests, RO, Bhopal.

(iv) The proponent shall create a fund for eco-development scheme of the area to address the livelihood concerns of the local people. The costs for the specific activities/tasks should be earmarked in the Eco-Development Plan and shall not be diverted for any other purpose. Year-wise status of the implementation of the Plan and the expenditure thereon should be reported to the Ministry of Environment & Forests, RO, Bhopal and to Director, Project Tiger.

(v) The project shall be terminated within 15 years and shall also be subject to review by the MOEF/Director (Project Tiger) once every five years. Based on the review additional safeguard measures, if any, stipulated shall also be implemented.

(vi) Top soil should be stacked properly with proper slope at earmarked site(s) with adequate measures and should be used for plantation and for reclamation.

(vii) OB dumps should be stacked at earmarked dumpsites(s) and covered by plantation for slope stabilization. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on yearly basis.
(viii) Check dams and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained.

Garland drain (size, gradient & length) and sump capacity should 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 should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains.

(bx) Drills should be wet operated or with dust extractors and secondary blasting should be avoided. Blasting shall be carried out only between 12 Noon to 2.00 PM.

(x) Plantation shall be developed which includes greenbelt, along roads, peripheral areas along ML boundary and non-mineralized undisturbed areas with native plant species in consultation with local DFO/ Agriculture Department. At least 2500 plant species/ha should be planted.

(xi) A Progressive mine Closure Man shall be implemented.

(xii) Water sprinkling arrangements to control the fugitive dust generation from the haulage roads.

(xiii) CGWA approval shall be obtained for mining below groundwater.

(xiv) A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

(xv) Consent to operate should be obtained from State Pollution Control Board before expanding mining activities.

(xvi) Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to MOEF and its Regional Office, Bhopal.

B. General conditions

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests,

(ii) No change in the calendar plan including excavation, quantum of mineral and waste should be made.

(iii) Data on ambient air quality (RPM and SPM) should be regularly submitted once a year to the Ministry including its Regional office (CL) at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
(iv) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading & unloading) should be provided and properly maintained.

(v) Adequate measures should be taken for control of noise levels in the work environment.

(vi) Industrial waste water, if any, should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (F) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time.

(vii) Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(viii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to this Ministry’s Regional Office located at Bhopal (CZ).

(ix) The Regional Office (CZ) of the Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

(x) A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom and suggestion / representation has been received while processing the proposal.

(xi) State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector’s office/ Tehsildar’s Office for 30 days and provide copies of the same to anyone requesting for the same.

(xii) The project authorities should 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 7 days of the issue of 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 web site of the Ministry of Environment & Forests at http://envfor.nic.in.

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

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.
5. 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.

(SATISH C. GARKOTI)
Additional Director (S)

Copy to:
1. Secretary, Ministry of Steel; Udyog Bhawan, New Delhi.
2. Director: (Project Tiger), Bikaner House Hutments, Shah Jahan Road, New Delhi.
4. Secretary, Department of Mineral Resources, Government of Madhya Pradesh, Secretariat, Vallabh Bhawan, Mantralaya, Bhopal.
5. Secretary, Department of Environment, Government of Madhya Pradesh, Vallabh Bhawan, Bhopal.
7. Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parishar, E-5, Arera Colony, Bhopal- 462016.
सं. MP/Panna/Diamond /M.Sch.-125/14-15 /41455्व

जबलपुर, दिनांक : 24/08/2015

सेवा में M/s National Mineral Development Corp. Ltd.
Diamond Mining Project, Majhgawan Mine,
Panna distt. Panna (MP) 48101

दिवस:- गृह 904 राज्य के पन्ना जिले में स्थित आपकी मजहगाव (Majhgawan) मायम्यान्ड खान (केन्द्र 113.332 है) के उपरिवर्तक 1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्थल का अनुमोदन।

संदर्भ - 1) आपके/आरक्षक के हारा जमा किया गया प्रक्रिया शुल्क के संस्थ कंका 42211 दिया 20/03/2015, आपके/आरक्षक के पत्र क्रमांक MM/IBM Corresp/MP & SOM/2013/598-A दिया 19/03/2015.

2) इस कार्यालय का संस्थ कंका पत्र दिया 26/06/2015.

महोदय,

खण्डित अनुमोदन एवं विकास नियमावली, 1988 के नियम 12 के उपरिवर्तक (4) के द्वारा प्रदत्त सहित के अधीन एवं वारा मायम्याण्ड राज्य के पन्ना जिले में स्थित आपकी मजहगाव (Majhgawan) मायम्यान्ड खान (केन्द्र 113.332 है) की माइनिंग स्थल का अनुमोदन प्रदत्त करता हूँ। यह अनुमोदन निम्नलिखित शर्तों के अधीन हैं:-

1. The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.

2. The proposals shown on the plates and/or given in the document is based on the lease map/sketch submitted by the applicant/lessee and is applicable from the date of approval.

3. It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rules & Regulations made there under.

4. Indian Bureau of Mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant/lessee.

5. At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.

6. The Financial Assurance submitted by you for Rs 15,08,500/- (Rupee Fifteen Lacs Eight Thousand & five hundred Only) valid upto 31/03/2020 and next Financial Assurance shall be submitted on or before 31/03/2020.

7. This approval is restricted in respect of proposals given in the document for the period from 2015-16 to 2019-20 validity upto 31/03/2020 from the date of approval, subject to all other statutory clearances.

8. The next scheme of mining will be due for submission on 01/12/2019.

9. The Environmental Monitoring Cell shall be established by the company. This Environmental Monitoring Cell of the company, shall continue monitoring ambient air quality, dust-fall rate, water quality, soil sample analysis and noise level measurements at various stations established for the purpose both in the core zone and buffer zone as per requirement of Environment Guidelines and keeping in view IBM’s circular No. 3/92 & 2/93 season-wise every year or by engaging the services of an Environmental Laboratory approved by MOEF/CPCB. The data so generated shall be maintained in a bound paged register kept for the purpose and the same shall be made available to the inspecting officer, on demand.

10. As per Madhya Pradesh State Government’s order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

संलग्न:- अनुमोदित माइनिंग स्थल की एक प्रति के साथ.

पुजीयो,

(एका आरक्षक)

भारतीय खान नियंत्रक

भारतीय खान नियंत्रक
प्रतिलिपि:——

1. मान्यता प्राप्त व्यक्ति को कोंकण ओरंगाबाद एवं उप महाप्रबंधन (खान) में एन.एम.डी. सी को स्थापित होने के प्रवर्तक, थोरा खान परियोजना, जिला खान पालन जिला पालन (मोडौ) 488101 को सूचनार्थ प्रस्तुत किया।

2. संचालक, संचालनालय भौगोलिक तथा खानिक्रम, "खानिजमार्ग" 29—ए, अंदरा हिल्स, भोपाल (मोडौ) को अनुमोदित माहिंग स्कीम का एक प्रति के साथ संज्ञित डाक द्वारा प्रस्तुत किया।

(एन.एम.डी. सी)
क्षेत्रीय खान नियंत्रक
भारतीय खान व्यूरी

पता/Address भोपालकॉलेज 11 कमलनाथ नगर, जबलपुर 482002 ( मोडौ ) Scheme No.11, Kamla Nehru Nagar, Jabalpur,
482002 ( M.P.). Phone : 2416780, 2416389, 2416231 Fax : 0761 2416780