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File No 7-H

No. J-11015/236/2805-IA. II(M)  
Government of India  
Ministry of Environment & Forests

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Dated: 4<sup>th</sup> October 2006

To  
Head of Department Env./CF(Civil),  
Environment Department,  
M/s Western Coalfields Ltd.,  
Coal Estate, Civil Lines,  
NAGPUR - 440001.

Sub: Shobapur Underground Expansion Project (0.60 MTPA) of M/s Western Coalfields Ltd.  
(WCL), located in village Shobapur, Tehsil Ghoradongri, District Betul, Madhya Pradesh-  
Environmental clearance - reg.

Sir,

This has reference to letter No. 43011/7/2003-CPAM dated 05.07.2005 of Ministry of Coal forwarding your application and letters of M/s Coal India Ltd. dated 16.01.2006, 17.05.2006, 18.05.2006 and your letters dated 02.06.2006, and 08.06.2006 on the above-mentioned subject. The Ministry of Environment & Forests has considered your application. It has been noted that the project is for production of coal in existing Shobapur Underground Coalmine Project involving a total lease area of 460.844 ha, of which 50.405 ha is agricultural land, 357.079 ha is forestland and 53.36 ha is Govt. land. Surface area involves 17.93 ha for infrastructure and 1.50 ha for green belt. Forestry clearance has been obtained on 03.02.1997 and on 02.03.2001. There are no National Parks, Wildlife Sanctuary, Biosphere Reserves found within the core zone and in the 10 km buffer zone. The project does not involve R&R. Mining will be underground by semi-mechanised method. Controlled blasting is involved. Rated capacity of the mine is 0.60 million tonnes per annum (MTPA) of coal production. Mineral transportation of 2000 TPD of coal is by road (100 TPD) and balance by conveyors to Satpura TPS located at a distance of 3 km. Ultimate working depth of the mine is 300m below ground level (bgl). Water table is in the range of 5-9m bgl in the core zone and 1.5-10m bgl in the buffer zone. Mining will intersect water table. Average water demand is 1289 m<sup>3</sup>/d of water which is met from mine sump/pit water (450 m<sup>3</sup>/d) and from Satpura Reservoir (916 m<sup>3</sup>/d). Balance life of the mine at the rated capacity is 12 years. Public Hearing was held on 02.11.2004. NOC has been obtained on 02.03.2005. The project has been approved by M/s WCL on 30.05.1986 for 0.6 MTPA. Capital cost of the project is Rs. 2116 lakhs.

2. The Ministry of Environment & forests hereby accords environmental clearance for the above-mentioned Shobapur Underground Expansion Coal Project of M/s WCL over a lease area of 460.844 ha for production of coal of 0.60 MTPA rated capacity under the provisions of the Environmental Impact Assessment Notification, 1994 and subsequent amendments thereto subject to the compliance of the terms and conditions mentioned below:

A. Specific Conditions

- (i) All the conditions stipulated by the SACB in their NOC shall be effectively implemented.
- (ii) Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings should be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast and clayey soil/suitable material.

Shobapur File

- (iii) Garland drains (size, gradient and length) around the safety areas such as mine shaft and low lying areas and sump capacity should be designed keeping 50% safety margin over an above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. Sump capacity should also provided adequate retention period to allow proper settling of silt material.
- (iv) Crushers at the CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.
- (v) Drills should be wet operated only.
- (vi) Roads used for transportation of coal shall be blacktopped.
- (vii) Controlled blasting should be practiced with use of delay detonators.
- (viii) A progressive afforestation plan shall be prepared and implemented over the mine lease area and shall include areas under green belt development, areas along roads, infrastructure, along ML boundary and township outside the lease areas, etc, by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
- (ix) Regular monitoring of groundwater level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should 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 should be submitted to the Ministry of Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.
- (x) The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
- (xi) 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 agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.
- (xii) Digital processing of the entire lease area using remote sensing technique should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional office at Bhopal.
- (xiii) 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.
- (xiv) Consent to Operate shall be obtained before starting mining operations.

#### B. General Conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
- (ii) No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.



- (iii) Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for SPM, RPM, SO<sub>2</sub> and 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 in consultation with the State Pollution Control Board.
- (iv) Data on ambient air quality (SPM, RPM, SO<sub>2</sub> and NO<sub>x</sub>) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.
- (v) Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points should be provided and properly maintained.
- (vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HRMM, etc should be provided with ear plugs/muffs.
- (vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (F) dated 19<sup>th</sup> May 1993 and 31<sup>st</sup> December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.
- (viii) Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
- (ix) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.
- (x) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.  
Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.
- (xi) A separate environmental management cell with suitable qualified personnel should 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 should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to this Ministry and its Regional Office at Bhopal.
- (xiii) The Regional Office of this Ministry located at Bhopal 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.
- (xiv) A copy of the will be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (xv) 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.
- (xvi) 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 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 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 and attract the provisions of the Environment (Protection) Act, 1986.
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, 1986, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

(Dr. I. Chandin)  
Additional Director

Copy to:

1. Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. Secretary, Department of Environment & Forests, Government of Madhya Pradesh, Secretariat Bhopal.
3. Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, F-2/24(1) Arera Colony, Bhopal - 462016.
4. Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, B-5, Arera Colony, Bhopal - 462016.
5. Chairman, 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. Shri M.K. Shukla, CGM, Coal India Limited, SCOPE Minar, Core-1, 4th Floor, Vikas Marg, Laxminagar, New Delhi.
8. District Collector, Betul Government of Madhya Pradesh, New Delhi.
9. Monitoring File      10. Guard File      11. Record File



**MADHYA PRADESH POLLUTION CONTROL BOARD**

**Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016**

Phone-0755-2466191,2464428, Fax-0755-246374

No. 719  
To,

/TS/MPPCB/Mine/2014

**Regd. AD**

Date: 2-2-15

**Sub Area Manager,  
M/s. Shobhapur Mine,  
WCL, Pathakera Area, P. O. Patliakera  
District: Betul (M. P.) 460 449**

Sub: **Renewal of consent of the Board under section 25/26 of the Water [Prevention & Control of Pollution] Act, 1974. (460.844 Hac.)**

Ref: Your online application Inward No. 71878 dated: 02.09,2014. (PCB ID: 22954)

[illegible]

With reference to your above application consent is hereby renewed for a period of **Three Years** from **01/01/2015 to 31/12/2017** subject to the fulfillment of the terms and conditions incorporated in the schedule of the consent letter No. 4365 dated: 02/03/2005 issued to you by this office and subsequent renewal issued to you by this office and additional conditions mentioned below: -

This renewal of consent is valid for product & production capacity of:-

***Name of Product***

### Production Capacity

## MINING OF COAL

**0.95 MTPY**

**(Zero Point Nine Five Million Tonnes per Year)**

**Note:** This renewal of consent may not be taken as a matter of proof that mine has not violated pollution control Laws any time in the past.

**ADDITIONAL CONDITIONS:**

1. The Mine shall improve existing pollution control facilities and maintain the same properly so that the treated effluent could be maintained within the prescribed standards.
2. No effluent shall be discharged outside the Mine premises in any circumstances, hence Zero discharge condition shall be maintained. Mine shall utilize mine water discharge in the mine premises for dust suppression, green belt/plantation, domestic purpose, etc.
3. Adequate & effective precautionary measures shall be taken before and during operation, maintenance and cleaning of pollution control system to avoid any accidental hazard.
4. Extensive tree plantation shall be carried out in open areas available within and around the mine premises. Plantation be done on over burden dumps & on both sides of haul roads in consultation with expert agency. Good house keeping practice shall be adopted.
5. The Mine shall have to do the work of biological reclamation as per direction of Indian Bureau of mines; GOI and ministry of Environmental & Forest Govt. of India on the internal and external dumps and yearly reclamation data shall be submitted to the Board.
6. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into near by nallah/

(ren mine Govt)

- 405 -

Manager (Garry)  
 8/2/05



## MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

Phone-0755-2466191,2464428, Fax-0755-246374

river/ pond during the rainy season. Mine shall have to maintain the record of progress.

7. Mine magement shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
8. Mine Management shall comply with all the relevant Acts/Rules, directions, guide lines issued by **MoEF/CPCB/MPPCB/** from time to time as requied and, if applicable, specially provisions of EIA Notification.
9. Mine Management shall comply with the directions of Hon'ble Supreme Court and Hon'ble High Court issued in the relevant writ petitions.
10. The Consent/Renewal of license fee deposited by the industry is liable for revision if, at any point of time it is found necessary.
11. Mine shall submit a fresh application for next renewal of consent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, 06 months before the expiry of the date of this consent renewal letter.

The application shall be made in prescribed application form with consent renewal fee along with report of compliance of consent conditions mentioned in original consent letter and its subsequent consent renewal letter.

The consent renewal fee shall be payable as per latest **gazettee notification dated: 07/10/2009** in accordance with mining lease area.

Please acknowledge the receipt of this letter.

  
(Adesh Shrivastava)  
Executive Engineer

For & on behalf of  
M.P. Pollution Control Board

  
(A.A. MISHRA)  
Member Secretary

Date:

Endt No.

/TS/MPPCB/Mine/2014

**Copy to:-**

1. Regional Officer, M.P. Pollution Control Board, **Bhopal**.
2. Monitoring Section, M.P. Pollution Control Board, Bhopal.
3. Cess Section, M.P. Pollution Control Board, Bhopal.
4. HSMD Section, M.P. Pollution Control Board, Bhopal.
5. IT Section, M.P. Pollution Control Board, Bhopal.

(Adesh Shrivastava)  
Executive Engineer

(A.A. MISHRA)  
Member Secretary





# MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

Phone-0755-2466191,2464428, Fax-0755-246374

No. 72/  
To, ✓

/TS/MPPCB/Mine/2014

Regd A/D.

Date: 2-2-15

**Sub Area Manager,  
M/s. Shobhapur Mine,  
WCL, Pathakera Area, P. O. Pathakera  
District: Betul (M. P.) 460 449**

**Sub: Renewal of consent of the Board under section 21 of the Air [Prevention & Control of Pollution] Act, 1981. (460.844 Hac.)**

**Ref: Your online application Inward No. 71878 dated: 02.09,2014. (PCB ID: 22954)**

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With reference to your above application consent is hereby renewed for a period of **Three Years** from **01/01/2015 to 31/12/2017** subject to the fulfillment of the terms and conditions incorporated in the schedule of the consent letter No. 4367 dated: 02/03/2005 and subsequent renewal issued to you by this office and additional conditions mentioned below: -

This renewal of consent is valid for product & production capacity of:-

**Name of Product**

**Production Capacity**

**MINING OF COAL**

**0.95 MTPY  
(Zero Point Nine Five Million Tonnes  
per Year)**

**Note: This renewal of consent may not be taken as a matter of proof that mine has not violated pollution control Laws any time in the past.**

**ADDITIONAL CONDITIONS:**

1. The Mine shall improve existing pollution control facilities and maintain the same properly so that the emission could be maintained within the prescribed standards.
2. Adequate & effective precautionary measures shall be taken before and during operation, maintenance and cleaning of pollution control system to avoid any accidental hazard.
3. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
4. Mine shall limit its production to the capacity given in the consent. Mine shall maintain and improve the arrangements of dust suppression and control of fugitive emission.

(ren mine\_Govt)

*Survey Officer*  
*14/2/15*

# MADHYA PRADESH POLLUTION CONTROL BOARD

Paryawaran Parisar, E-5, Arera Colony, BHOPAL- 462016

Phone-0755-2466191,2464428, Fax-0755-246374

Extensive tree plantation shall be carried out in open areas available within and around the mine premises. Plantation be done on over burden dumps & on both sides of haul roads in consultation with expert agency. Good house keeping practice shall be adopted.

Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.

Mine management shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

Mine Management shall comply with all the relevant Acts/Rules, directions, guide lines issued by **MoEF/CPCB/MPPCB/** from time to time as required and, if applicable, specially provisions of EIA Notification.

Mine Management shall comply with the directions of Hon'ble Supreme Court and Hon'ble High Court issued in the relevant writ petitions.

0. The Consent/Renewal of license fee deposited by the industry is liable for revision if, at any point of time it is found necessary.

1. Mine shall submit a fresh application for next renewal of consent u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, 06 months before the expiry of the date of this consent renewal letter.

The application shall be made in prescribed application form with consent renewal fee along with report of compliance of consent conditions mentioned in original consent letter and its subsequent consent renewal letter.

The consent renewal fee shall be payable as per latest gazettee notification dated: **07/10/2009** in accordance with mining lease area.

Please acknowledge the receipt of this letter.

  
(Adesh Shrivastava)  
Executive Engineer

For & on behalf of,  
M.P. Pollution Control Board

  
(A.A. MISHRA)  
Member Secretary

Endt No.

/TS/MPPCB/Mine/2014

Date:

Copy to:-

1. Regional Officer, M.P. Pollution Control Board, Bhopal.
2. Monitoring Section, M.P. Pollution Control Board, Bhopal.
3. HSMD Section, M.P. Pollution Control Board, Bhopal.
4. IT Section, M.P. Pollution Control Board, Bhopal.

  
(Adesh Shrivastava)  
Executive Engineer

  
(A.A. MISHRA)  
Member Secretary