



**No. J-11015/299/2010-IA.II (M)**

Government of India  
Ministry of Environment, Forest & Climate Change  
Impact Assessment Division

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Dated: 26<sup>th</sup> February, 2020

To,

The General Manager (Environment),  
M/s Western Coalfields Ltd.,  
Coal Estate, 9<sup>th</sup> Floor, Civil Lines,  
**Nagpur** - 1 (Maharashtra)

**Email:** [gmenvironment.wcl@nic.in](mailto:gmenvironment.wcl@nic.in); [wclenv@yahoo.in](mailto:wclenv@yahoo.in)

**Sub: Expansion of Mugoli Nirguda Extension Deep OC Mine Project from 4.0 MTPA to 4.375 MTPA with increase in land area from 818.05 ha to 1317.55 ha of M/s Western Coalfields Limited located in District Yavatmal (Maharashtra) – Environmental Clearance - reg.**

Sir,

This has reference to your online proposal no. IA/MH/CMIN/117098/2010 dated 28<sup>th</sup> September, 2019 on the above-mentioned subject.

**2.** The Ministry of Environment, Forest and Climate Change has considered the proposal is for Environmental Clearance for Expansion of Mugoli Nirgudda Extension Deep Opencast Coal Mine Project from capacity of 4.0 MTPA to 4.375 MTPA and increase in land area from 818.05 ha to 1317.55 ha of M/s Western Coalfields Limited located in Village Mungoli Tehsil Wani District Yavatmal (Maharashtra).

**3.** The proposal was considered by the EAC in its 49<sup>th</sup> meeting held on 22<sup>nd</sup> October, 2019. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under:-

- (i) Mugoli OC Expansion is an operating mine and having Environmental Clearance vide letter No. J-11015/299/2010-IA.II(M) Dated 30/03/2011 for a production capacity of 4.00 MTPA and total leasehold area of 818.05 Ha.
- (ii) ToR for the Expansion of Mugoli Nirguda Extension Deep OC was issued vide letter no. J-11015/77/2016-IA.11 (M) dt. 07/03/2017.
- (iii) The area of Mugoli Nirguda Extension Deep OC is bounded by Latitude N 19° 50' 54.36" and N 19° 54' 57.17" and Longitude E 79° 05' 24.04" and E 79° 07' 34.02". The block is covered in the Survey of India Toposheet No. 56 M/1

- (iv) Coal linkage of the project was for Basket Linkage consumers. There is no Joint venture involved.
- (v) Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13<sup>th</sup> January, 2010 has imposed moratorium on grant of environment clearance.
- (vi) Employment generation: The existing Manpower of Mugoli-Nirguda OCM is 875 (as on 01.10.2019).
- (vii) This project will bridge the gap (to the extent of the peak production capacity of the project) between demand & supply of non – coking coal for power houses & other bulk consumers of Northern as well as Southern part of the country. In addition to provide direct employment to about 875 personnel, it will provide further employments to land losers of about 500 (Out of which 422 nos. is already sanctioned and 130 has already been provided employment). Further CSR fund will also be utilized in the 15 Km radius of the project which will add to the overall socio-economic development of the area. The continuation of the project will create no of indirect employment in significant numbers. CER provisions of 3.463 Crores proposed. This will also add to improve socio – economic scenario of the area surrounding the project. Further the project will reduce the import bill to the extent of 0.375 MTPA and subsequently add to state exchequers in form of cess, levies, royalties etc.
- (viii) Total mining lease area is 1317.55 Ha. The land is mostly agricultural land and there is no forestland involved in the project. The Project Report for Mugoli Nirguda Extn Deep OC along with Mine Closure Plan has been approved by WCL Board vide letter No. WCL/BD/SECTT/BM-271/2015/2408, dated 24.11.2015

(ix) The land usage pattern of the project is as follows:

#### Pre-mining land use details

Agricultural Land – 497.30 ha Govt. Land – 31.88 ha  
 Others – 788.37 (Already acquired by WCL)  
 Total land – 1317.55 ha

#### Post-mining land use details

S.	Land use post mining	Land use (ha)				Total
		Plantation	Water Body	Public use	Undisturbed	
1	External OB Dump	295	0	0	0	295
2	Top soil dump	0	0	0	0	0
3	Excavation	217.82	295.65	0	0	513.47
4	Roads	6	0	24	0	30
5	Built up area	8	0	44.60	0	52.6
6	Green Belt	0	0	0	0	0
7	Land for railway siding	5	0	45	0	50
8	Undisturbed Area	226.48	0	0	80	306.48

9	Embankment around quarry	2.00	0	68	0	70
	Total	760.30	295.65	181.60	80	1317.55

- (x) The total net in-situ geological reserves within the quarry works out to 59.45 Mt. The mineable reserves after considering mining losses in quarry area works out to 53.50 Mt.
- (xi) There is one composite seam with multiple sections in the Mugoli Nirguda Combined Block. Thickness of sections of seams to be worked on are given below: -

Coal seam/ Parting	Thickness range (m)	
	Minimum	Maximum
Section - A	0.21	4.68
Section - B	0.08	3.75
Section - C	0.24	4.43
Section - D	5.07	12.01
Composite Sections - A+B+C+D	10.07	19.28

- (xii) Grade of Coal is G9 (GCV – 4674Kcal/kg),
- (xiii) Stripping ratio 1: 5.88 m<sup>3</sup>/t.
- (xiv) Presently Shovel-Dumper combination is being practiced in existing Mugoli OCP Expn. for extraction of coal as well as removal of parting and Top OB. In the expansion project the existing dragline of Ghughus OC is also being deployed.
- (xv) Life of mine: 15 years (including one-year construction period)
- (xvi) Presently Two external OB dumps exist in the existing Mugoli OCP Expn mine. It is proposed that in the balance years of existing mine these two dumps would be used for external dumping and part of total OB would be backfilled in decoaled void of existing mine. The total area of external dumps is 295.00 ha with maximum height of 90 m above GL and quantity of 59.58 Mm<sup>3</sup> of OB. Two internal dumps have been proposed for which the area of 217.82 ha will be utilized with maximum height of 90 above GL and total quantity 221.45 Mm<sup>3</sup>.
- (xvii) Total quarry area is 513.47 ha. Backfilled quarry area of 217.82 ha shall be reclaimed with plantation. Final mine void will be created in an area of 295.65 ha with maximum 150 m depth at the end of mine life.
- (xviii) Coal from ground stock will be loaded into discharge trucks/tippers by pay loaders and will be transported at present Ghughus Siding. Further siding is proposed at Penganga/ Mugoli OC to reduce transport of the coal. The coal

will be transported to Thermal power plants of MAHAGENCO and to Basket linkage Consumers.

- (xix) Total 760.30 Ha out of total 1317.55 Ha (58%) area will be planted till the end of mine life. It includes plantation on 295 ha of external OB dump, 226.48 ha of undisturbed land and 6 ha along roads & infrastructure.
- (xx) No forest land has been reported to be involved in the project. Area of 217.82 ha on internal dump will be utilized for plantation.
- (xxi) No National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones have been reported with 10 km boundary of the project.
- (xxii) The ground water level has been reported to be varying between 4.85 to 8.70 m during pre-monsoon and between 4.15 to 7.75 m during post-monsoon (core zone). Total water requirement for the project is 910 KLD.
- (xxiii) Application for NOC from CGWA has been made via application no. 21-4/343/MH/MIN/2016 on 06.06.2016. Based on the query raised vide email dated 25.03.2019 additional data submitted to CGWB Nagpur on 13/09/2019. Currently, the application is under verification stage at CGWB, Nagpur.
- (xxiv) Public hearing for the project had been conducted at Manoranjan Kendra, Kailash Nagar Colony, Wani, Yavatmal district on 12.02.2019 as mandated by ToR granted by MoEF&CC. The detailed compliance report/ ATR against the aforesaid issues raised during public hearing have been duly addressed in the EIA report.
- (xxv) There is no Nala diversion proposed in this project. However, diversion of 150 mm water pipeline will be taken up during proposed expansion for which necessary permission as required by statute will be taken from concerned state authority.
- (xxvi) Baseline data for Ambient Air Quality has been generated during 1st November 2015 to 31st January 2016. Baseline data generated has been presented to 4th EAC held on 31.01.2017. Additionally, Baseline data w.r.t ambient air, water & noise has been generated during pre-monsoon season 2019 i.e. Mar – 2019 to June – 2019 to assess the latest baseline scenario surrounding the project. The results have been found to be within prescribed limits.
- (xxvii) No court cases, violation cases are pending against the project of the PP pertaining to environment.
- (xxviii) The project does not involve violation of the EIA Notification, 2006 and amendment issued thereunder. No excess production of coal from the sanctioned capacity has been realized since grant of EC in 2011.

Financial Year	Sanctioned Capacity as per EC (MTPA)	Actual Production (MTPA)	Excess Production Beyond the EC
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2011-12	4	3.29	NIL
2012-13	4	3.29	NIL
2013-14	4	3.60	NIL
2014-15	4	4.00	NIL
2015-16	4	4.00	NIL
2016-17	4	3.22	NIL
2017-18		3.54	NIL
2018-19	4	3.78	NIL

(xxix) Resettlement / rehabilitation of Mugoli village is proposed as it is in the core zone. A Capital provision of Rs. 59.7557 crores have been made in the approved PR for resettlement of Mugoli Village. This includes 12.00 ha land for resettlement site of village. A baseline Socio-economic survey has been conducted through an NGO as per the provision of R&R policy 2012 of CIL. The BLSES survey indicate in line with the definition of R&R Act 2013, the total no of affected families is 630. No of non displaced affected family is 333 and no of Displaced affected family is 297.

(xxx) Total cost- Rs 498.4176 Crores including WDV of Rs 36.5857 Crores of existing assets. (as per approved PR, Nov'2015). A capital provision of Rs 97.95 lakhs has been made against environment protection

(xxxi) As mandated under O.M. dated 30/05/2012, Regional office of MoEF& CC at Nagpur has issued certified report on compliance of existing environmental clearance conditions vide letter no F.No:3-19//2011/(ENV)/5637dated 22/08/2019 there is no non-compliance recorded in the aforesaid Certified Compliance Report. The ATR against 02 partially complied conditions were submitted by PP on 16.10.2019.

**4.** The Expert Appraisal Committee in its meeting held on 22<sup>nd</sup> October, 2019 has recommended the proposal for grant of Environmental Clearance. Based on the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval for **grant of environmental clearance to expansion of Mugoli Nirguda Extension Deep OC Mine Project from 4.0 MTPA to 4.375 MTPA with increase in land area from 818.05 ha to 1317.55 ha of M/s Western Coalfields Limited located in District Yavatmal (Maharashtra)**, under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto, subject to the compliance of the following terms and conditions and environmental safeguards mentioned below:

- (i) The distance of about 150 m from bank of river shall be maintained throughout the OB dump area. Stability of OB dump shall be checked periodically.
- (ii) No shrubs/bushes shall be planted and only trees of native species shall be planted.
- (iii) The project proponent shall obtain Consent to establish from the State Pollution Control Boards for the proposed peak capacity of 4.375 MTPA prior to commencement of the increased production.

- (iv) Transportation of coal from Coal Handling Plant shall be through covered trucks.
- (v) To control the production of dust at source, the crusher and in-pit belt conveyors shall be provided with mist type sprinklers.
- (vi) Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at loading and unloading points, etc.
- (vii) The company shall obtain approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 4.375 MTPA.
- (viii) Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.
- (ix) Persons of nearby villages shall be given training on livelihood and skill development to make them employable.
- (x) To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.
- (xi) Permission for diversion of road and power line from authorised statutory body
- (xii) Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.
- (xiii) Efforts shall be made for utilizing alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.
- (xiv) The activities and fund provisions for CER shall be made as per the guidelines issued by the ministry regarding CER on 1<sup>st</sup> May, 2018.
- (xv) Permission from concerned regulatory authority for dumping of OB dump for proposed embankment.
- (xvi) Stability test of OB dump and compliance of recommendation of test report from recognised institutes
- (xvii) Environmental protection measures near Sakhara Village (near OB dump) shall be taken
- (xviii) As per Ministry's OM dated 16<sup>th</sup> January, 2020, Mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and

any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

**4.1** The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:

**(a) Statutory compliance**

- (i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
- (iv) The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.
- (vi) Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.

**(b) Air quality monitoring and preservation**

- (i) Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub>. 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. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.
- (ii) The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25<sup>th</sup> September, 2000 and as amended from time to time by the Central

Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.

- (iii) Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM<sub>10</sub>/PM<sub>2.5</sub>) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
- (iv) The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.
- (v) Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
- (vi) Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
- (vii) Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.

**(c) Water quality monitoring and preservation**

- (i) The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25<sup>th</sup> September, 2000 and as amended from time to time by the Central Pollution Control Board.
- (ii) The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27<sup>th</sup> May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
- (iii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e.



pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.

- (iv) Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
- (v) Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
- (vi) Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.
- (vii) Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).
- (viii) Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.
- (ix) The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
- (x) The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP

report and with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.

- (xi) The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

**(d) Noise and Vibration monitoring and prevention**

- (i) Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
- (ii) Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.
- (iii) The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

**(e) Mining Plan**

- (i) Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
- (ii) Mining shall be carried out as per the approved mining plan(including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
- (iii) No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.
- (iv) Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

**(f) Land reclamation**

- (i) Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by

Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).

- (ii) The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27<sup>th</sup> August, 2009 and subsequent amendments.
- (iii) The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining" / "post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.
- (iv) Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
- (v) Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.
- (vi) The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

**(g) Green Belt**

- (i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in

this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.

- (ii) Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads.

#### **(h) Public hearing and Human health issues**

- (i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six-monthly basis.
- (ii) The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
- (iii) Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
- (iv) Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
- (v) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29<sup>th</sup> October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

#### **(i) Corporate Environment Responsibility**

- (i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
- (ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have

defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.

- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- (v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**(j) Miscellaneous**

- (i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- (v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (vi) The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.I1 (M) dated 29<sup>th</sup> October, 2014, titled 'Impact of mining activities on habitations-issues related to the

mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

- (vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  - (viii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
  - (ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  - (x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  - (xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
  - (xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - (xiii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - (xiv) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - (xv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  - (xvi) The above conditions shall 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, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 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.
- 5.** The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.

6. The proponent shall 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. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
7. 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.
8. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2<sup>nd</sup> August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.
9. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.
10. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.
11. This issues in supersession of the earlier EC granted vide letter dated 30<sup>th</sup> March, 2011.

  
**(Dr. R.B. Lal)**  
**Scientist E**

**Copy to:**

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Principal Secretary, Department of Environment, Government of Maharashtra, 15<sup>th</sup> Floor, New Admn. Bldg, Madam Cama Road, Mantralaya, Mumbai - 32 (Maharashtra)
3. The Additional PCCF (Central), Ministry of Environment Forest and Climate Change, Regional Office (Western Central Zone), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-1 (Maharashtra)
4. The Member Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The Member Secretary, Maharashtra State Pollution Control Board, Kalapataru Point, 3<sup>rd</sup> & 4<sup>th</sup> Floors, Sion, Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 2
7. The District Collector, Yavatmal, Government of Maharashtra
8. Monitoring File      10. Guard File      11. Record File      12. Notice Board

*issued*  
*01/04/2020*  
*26/02/2020*

  
**(Dr. R.B. Lal)**  
**Scientist E**

