

No.J-11015/106/2009-IA.II(M)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi - 3  
Dated: 14<sup>th</sup> March, 2018

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 Gondegaon Extension Opencast Coal Mine Project from 2.5 MTPA to 3.5 MTPA by M/s Western Coalfields Limited in an area of 917 ha in Village Gondegaon, Tehsil Parseoni, District Nagpur - Environmental Clearance - reg.**

Sir,

This is with reference to your application No.WCL/HQ/ENV//6-E & 20-C/1275-1277 dated 14.12.2017 along with the online proposal No.IA/MH/CMIN/71601/2017 dated 14.12.2017 and subsequent letter dated 15.12.2017, 22.12.2017, 04.01.2018, 11.01.2018, 15.01.2018, 25.01.2018 and 8.02.2018 on the above mentioned subject.

2. The Ministry of Environment, Forest and Climate Change has considered the proposal is for grant of environmental clearance to the project for expansion Gondegaon Extension Opencast Coal Mine from 2.5 MTPA to 3.5 MTPA by M/s Western Coalfields Limited in a total project area of 917 ha (ML area of 845.74 ha) in Village Gondegaon, Tehsil Parseoni, District Nagpur (Maharashtra).

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Sector in its 24<sup>th</sup> meeting held on 11<sup>th</sup> January, 2018. 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) Gondegaon Extension Opencast Coal Mine Expansion (Amalgamated Gondegaon-Ghatrohan OC Mine) is located in the Nagpur district of Maharashtra State and is under the administrative control of Nagpur Area of Western Coalfields Ltd. Mine was opened in Kamptee-Silewara Coalfields in Nagpur district and is about 35 km from Nagpur having a approach road of 7 km on Nagpur- Jabalpur national highway and the nearest railway station is of the mine is Kanhan (almost 15 Km).

(ii) The project lies between latitudes E 21°14'59"- E 21°16'00" and longitudes N 79°10'22"- N 79°12'50". The area is covered by Survey of India Toposheet No.55 O/3.

(iii) The EC for expansion of Gondegaon Extension Opencast Coal Mine Project (1.5 to 2.5 MTPA) for a total lease area of 917 ha was accorded vide letter dated 15<sup>th</sup> July, 2009.

(iv) Present manpower of the project is 450 Nos and no additional manpower required.

(v) The Mining Plan including the Mine Closure Plan for further expansion of the subject mine for increasing the production capacity from 2.50 MTPA to 3.50 MTPA within the EC

sanctioned land area and without any capital investment has been approved by the WCL Board in its meeting held on 31<sup>st</sup> October, 2017.

(vi) The proposed quarry area is bounded by SH No.233 in North, Kanhan River in West and South and in crop of seam-I in East. The surface area is generally undulating with elevations ranging from 278 m to 288 m above MSL.

(vii) The geo-mining parameters are placed below

S. No.	Particulars	
1.	Lease hold area	845.74 ha
2.	Mineable coal reserve (2015-16)	29.23 MT
3.	Total OB including access trench (Balance as on 01.04.2017)	111.95 Mm <sup>3</sup>
4.	Average stripping ratio	1:4.487
5.	Life of the project	Existing: 10 years proposed: 08 years
6.	Quarry area on floor	82.74 ha
7.	Quarry area on surface	277.13 ha
8.	Initial depth of the quarry	37 m
9.	Final depth of the quarry	176 m
10.	Gradient of the seam	1 in 3.5 to 1 in 5
11.	Effective thickness of composite seam	27.43 to 28.34
12.	Grade processed rom	G11
13.	Length of the access trench	300 m
14.	Manpower	450
15.	Boundaries	Latitudes: E21°14'59"-E21°16'00" Longitudes: N79°10'22"-N79°12'50"

(viii) The scheduled quantities for balance life of the mine with capacity enhancement from 2.50 to 3.50 MTPA are as under:

**Table 1 Calendar Programme**

Sl.No.	year	Coal Prod. MT	Over Burden Removal in Mm <sup>3</sup>		
			HOE	Dept.(considering as on date capacity)	Total
1	2015-16	2.13 (Act.)	0.42	3.84	4.26
2	2016-17	2.15 (Act.)	0.76	4.35	5.11
3	2017-18	2.8	6.82	4.8	11.62
4	2018-19	3.0	7.65	4.8	12.45
5	2019-20	3.2	8.48	4.8	12.28
6	2020-21	3.4	9.31	4.8	14.11
7	2021-22	3.5	10.90	4.8	15.70
8	2022-23	3.5	10.90	4.8	15.70
9	2023- 24	3.5	9.70	4.8	14.5
10	2024 - 25	2.05	9.78	4.8	14.58
	Total	29.23	74.72	46.59	121.31

Last 5 years production is as given below (All figures in Million Tonnes per Annum)

Year	Coal Production	EC capacity
2016-17	2.15	2.50
2015-16	2.13	2.50
2014-15	1.86	2.50
2013-14	1.70	2.50
2012-13	1.82	2.50

(ix) The land usage of the project will be as follows:

The total land involved in existing Gondegaon OC is 845.74 ha is within the sanctioned EC area of 917.00 ha. The present proposal of expansion envisages only increase in production capacity from 2.50 MTPA to 3.50 MTPA. The land use changes will remain same as per the previously sanctioned EC letter No J-11015/106/2009-IA.II (M) dated 15th July, 2009.

(x) Details of change in land use as per sanctioned EC is provided below:

Pre-mining land use

S. No.	Particulars	Land(ha)
1)	Tenancy land	792.08
2)	Government land	53.41
3)	Forest land	NIL
	<b>Total</b>	<b>845.74</b>

During mining land use:

Sl. No.	Description	leasehold Area (ha)
1	Quarry Area	277.13
2	Embankment Area	13.05
3	External OB dump	323.98
4	Infrastructure	50.00
5	Project Township	13.00
6	Rehabilitation Site	21.66
7	Area needed for rationalization and blasting zone	146.92
	<b>Total</b>	<b>845.74</b>

The post mining land use:

S. N.	Land use	Land use (ha)				Total
		Plantation	Water Body	Public use	Undisturbed	
1	External OB Dump	40.00	0.00	0.00	0.00	323.98
2	Excavation	40.00	237.13	0.00	0.00	277.13
3	Roads	1.00	0.00	4.74	0.00	5.74
4	Built up area	44.64	0.00	47.33	0.00	91.97
5	Undisturbed Area	130.00	0	0	16.92	146.92
	<b>Total</b>	<b>255.64</b>	<b>237.13</b>	<b>52.07</b>	<b>16.92</b>	<b>845.74</b>

- (xi) The existing mine working including the proposed expansion will be limited within 845.74 Ha (as per approved RPR Nov.2015) & this mining plan under consideration.
1. Mineable Coal Reserves in Million Tonnes as per R.P.R: 29.23 MT.
  2. Stripping Ratio Cu.M./Te : 4.15 m<sup>3</sup>/t
  3. Over Burden (MM<sup>3</sup>) : 121.31
- (xii) The coal grade is GCV (4001-4300) k Cal /kg (Grade G-11).
- (xiii) Total estimated water requirement is 1450 m<sup>3</sup>/day. The level of ground water ranges from 6.25 m to 8.10m (Pre Monsoon), 2.10m to 6.10 m (Post Monsoon).
- (xiv) The method of mining would continue to be Opencast with Shovel-Dumper combination.
- (xv) There are six external OB dumps with Quantity of 81.01 Mm<sup>3</sup> and area of 323.98 ha and internal dump of 40.30 Mm<sup>3</sup> in an area of 79 ha. The final mine void would be in 198.13 ha with depth 176 m.
- (xvi) Total quarry area is 277.13 ha. Out of total quarry area of 277.13 ha, 79 ha would be backfilled and reclaimed. Out of which 40 ha area shall be reclaimed with plantation. A void of 198.13 ha with depth 176 m which is proposed to be converted into a water body.
- (xvii) The balance life of mine is 8 Years at the peak capacity of 3.5 MTPA.
- (xviii) Transportation: Coal transportation in pit by through Dumpers from in pit to pit head coal handling plant, Coal from CHP to consumer is transported to railway siding (Approximately 10 km) over fully black topped Road and in tarpaulin covered trucks.
- (xix) There is no additional R&R involved in the proposed scheme. The resettlement of Gondegaon village (Householders 721) is already in progress. All basic amenities as per town planning department of Maharashtra, have been completed. Total land of the new rehabilitation site is 21.66 ha. The site has been provided with primary health centers, primary school, water pump house, gram panchayat office, WBM road, overhead water tank of capacity 2.00 Lakh Liters. 1100 no. of saplings have been planted and 2 no. of cattle shed constructed. 350 families have already shifted to new site. 150 houses are under construction.
- (xx) Cost: Total capital cost of the project is Rs. 198.6824 Crores excluding WDV of 39.7224 Crores (As on 13.02.2016) and no additional capital is required for the present proposal. CSR Cost based on 2% of the average net profit of the Company for the three-immediate preceding financial years or Rs 2.00 per Tonne of Coal Production of the previous year whichever is higher. Total Land compensation (R&R) Cost incurred is Rs.11,52,10,812.00 INR. Environmental Management Cost: Capital – Rs147.09 Lakhs and Revenue- @ Rs 6/tonne.
- (xxi) Water body: The main drainage is controlled by Southerly flowing Kanhan river along the Western and Southern boundaries of the block. Minor seasonal streams originating within the block drain into Kanhan river. In general, the area is sloping towards South West and South.
- (xxii) Approvals: Ground water clearance:- NOC for withdrawal of groundwater from CGWA has been applied vide letter no. WCL/ENV/HQ/20-J & 17-U/263 dated 13.06.2016 as per amended rules of 2012. Board's approval obtained on 10.11.2017. Mining plan has been approved on 10.11.2017. Mine closure plan is an integral part of mining plan.
- (xxiii) Wildlife issues: There are no national Parks, wildlife sanctuary, biosphere reserves found in the 10 km buffer zone.
- (xxiv) Public Hearing conducted on 26.04.2005 for 917.00 Ha land.
- (xxv) There is no forest land involved in the project.
- (xxvi) Total afforestation plan shall be implemented covering an area of 255.64 ha at the post-mining. Density of tree plantation is 2500 trees/ ha of plants.
- (xxvii) There are no court cases/violation pending with the project proponent.
- (xxviii) The existing Gondegaon OC has opened Escrow Account against the existing provisions and till 2016-17 Rs. 27.7047 Crores have been deposited in the said Escrow Account.



4. The Expert Appraisal Committee in its 24<sup>th</sup> meeting held on 11<sup>th</sup> January, 2018 has recommended the project for grant of environmental clearance for a period of one year. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the proposal for expansion of **Gondegaon Extension Opencast Coal Mine Project from 2.5 MTPA to 3.5 MTPA by M/s Western Coalfields Ltd in a total area of 917 ha (Mine lease area 845.74 ha) located at village Gondegaon, Tehsil Parseoni, District Nagpur (Maharashtra)** for a period of one year, under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the terms & conditions and environmental safeguards mentioned below:

- (i) Mitigative measures to be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient numbers of water sprinklers. Mist type mobile sprayers/sprinklers shall be deployed for the project.
- (ii) Regular monitoring of occupational safety and other health hazards of all employees including outsourced workers and the corrective actions shall be ensured. Report in this regard be submitted to the Regional Office of the Ministry.
- (iii) Controlled blasting techniques should be adopted to control ground vibration and fly rocks.
- (iv) Persons of nearby villages shall be given training for their livelihood and skill development.
- (v) To ensure health and welfare of nearby villages, regular medical camps shall be organized and report shall be submitted to the Regional Office of the Ministry.
- (vi) Wind barrier wall/screen and vertical greenery system, green belt, dust suppression arrangement at railway siding to be installed.
- (vii) Three tier multi-species green belt of not less than 7.5 m width should be developed all along the project to mitigate/check the dust pollution. Only native species to be used for plantation/greenbelt development.
- (viii) In view of the mining potential of the area and the prevailing environmental concerns, carrying capacity of the riverine eco-system shall be studied through some expert agencies to assess impact on the environmental components.
- (ix) A mitigation plan based on the study to be submitted to the MOEF&CC Regional Office/SPCB and displayed on company's website.

4.1 The grant of EC is further subject to compliance of the generic conditions as under:

**(a) Mining**

- (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) No change in mining method i.e OC to UG, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change (MoEFCC).
- (iii) 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).
- (iv) No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other

Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

**(b) Land reclamation and water conservation**

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

(ii) 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/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per approved Mining Plan and permission of the DGMS.

(iii) 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 handed over to the respective state government 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.

(iv) 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 Ministry of Environment, Forest and Climate Change/Regional Office on six monthly basis.


(v) The top soil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized for long. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized 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 MoEF&CC on six monthly basis.

**(c) Emissions, effluents, and waste disposal**

(i) 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.

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- (ii) Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area in a phased manner. The green belt comprising a mix of native species shall be developed all along the major approach/ coal transportation roads.
- (iii) The transportation of coal shall be carried out as per the provisions and route proposed in the approved Mining 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 impact of sound, dust and accidents are appropriately mitigated.
- (iv) 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.
- (v) 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.
- (vi) Coal handling plant shall be operated with effective control measures viz. bag filters/water or mist sprinkling system etc to check fugitive emissions from crushing operations, conveyor system, transfer points, etc.
- (vii) 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.
- (viii) Catch/garland drains and siltation ponds of 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 measures and green belt development. 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.
- (ix) 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 Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Oil and grease trap shall be installed and maintained fully functional with effluents discharge adhering to the norms. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste.
- (x) Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.



**(d) Illumination, noise & vibration**

(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 & its RO on six-monthly basis.

(ii) Adequate measures shall be taken for control of noise levels below 85 dB(A) 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.

(iii) Controlled blasting techniques shall be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by the DGMS.

(iv) 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) Occupational health & safety**

(i) The project proponent shall undertake occupational health survey for initial and periodical medical examination of the workers 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 workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any.

(ii) Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.

(iii) Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.

**(f) Ecosystem and biodiversity conservation**

(i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered 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.

**(g) Public hearing, R&R and CSR**

(i) 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.

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(ii) The project proponent shall ensure the expenditure towards socio-economic development in and around the mine, in every financial year in pursuance of the Corporate Social Responsibility Policy as per provisions under Section 135 of the Companies Act, 2013.

(iii) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.11 (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'.

(iv) 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.

#### **(h) Corporate environment responsibility**

(i) The Company shall have a well laid down environment policy duly approved by Board of Directors. The environment 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 or forest norms/conditions. Also, the company shall have a defined system of reporting of non-compliances/violations of environmental norms to the Board of Directors and/or shareholders/stakeholders.

(ii) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions should be displayed on website of the Company.

(iii) A separate environmental management cell both at the project and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

(iv) Action plan for implementing EMP and environmental conditions 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.

#### **(i) Statutory Obligations**

(i) The environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law from time to time, and as applicable to the project.

(ii) This environmental clearance shall be subject to obtaining wildlife clearance, if applicable, from the Standing Committee of National Board for Wildlife.

(iii) The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.

(iv) The project proponent shall obtain the necessary permission from the Central Ground Water Authority (CGWA).



**(j) Monitoring of project**

(i) Adequate ambient air quality monitoring stations shall 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 25.9.2000 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) The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.

(iv) 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 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

(v) 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 Ministry of Environment, Forest and Climate Change/Regional Office.

(vi) 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.

(vii) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the Ministry of Environment, Forest and Climate Change/Regional Office. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to March of the financial years.

(viii) 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.

**(k) Miscellaneous**

(i) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.



- (ii) The project authorities shall inform to the Regional Office regarding commencement of mining operations.
- (iii) A copy of the environmental clearance shall be marked to concerned Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's Office/Tehsildar Office for information in public domain within 30 days.
- (iv) The EC shall be uploaded on the company's website. The compliance status of the stipulated EC 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.
- (v) The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue 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 also at web site of the Ministry at [www.environmentclearance.nic.in](http://www.environmentclearance.nic.in) and a copy of the same shall be forwarded to the Regional Office.
- (vi) The environmental statement for each financial year ending 31 March in Form-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. Concerns raised during public hearing
- (vii) 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.
5. The proponent shall abide by all the commitments and recommendations made in the EIA/EEMP 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. 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.
8. 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.

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9. 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'.

10. The project proponent, without prejudice to this EC, shall be bound to comply with any other interpretation of the orders of Hon'ble Supreme Court also, in due course of time.

11. This EC supersedes the earlier EC granted vide letter No.J-11015/106/2009-IA.II(M) dated 15<sup>th</sup> July, 2009 for 2.5 MTPA capacity to Gondegaon OCP in a total area of 917 ha.

*SK*  
14/3/2018

**(S. K. Srivastava)**  
**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, Mumbai - 32
3. The APCCF, Ministry of Environment Forest and Climate Change, Regional Office (Western Central Zone), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur - 1
4. The Member Secretary, Maharashtra State Pollution Control Board, Kalapataru Point, 3<sup>rd</sup> & 4<sup>th</sup> Floors, Sion, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 2
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
6. The Member Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi
7. The District Collector, **Nagpur**, Government of Maharashtra
8. Monitoring File      9. Guard File      10. Record File      11. Notice Board

*SK*  
14/3/2018

**(S. K. Srivastava)**  
**Scientist E**