

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/330/2008- IA.II (M) dated 22.10.2010 for Pipla Underground Expansion Project(0.18 MTPA to 0.25 in ML area of 190 ha) located in Tehsil-Saoner, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area - Environment Clearance-reg

A. Specific Conditions		
S.N	Statutory compliance	Compliance/ Status
i	Regular monitoring of subsidence movement on the surface over and around the working area & impact on natural drainage, water bodies, vegetation, structure, roads and surrounding shall be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures shall be taken to avoid loss of life and material. Cracks shall be effectively plugged with ballast and clayey soil/suitable materials.	Complied. Mine is presently doing coal production through development. During development, there is no subsidence. Depillaring shall be started only after taking due permission from DGMS. During depillaring, hydraulic sand stowing shall be done due to which there is no possibility of any subsidence. However, monitoring of subsidence movements & necessary Control measures shall be taken as per DGMS stipulations.
ii	Mining shall be carried out as per statute as a safe distance from the river and nallah flowing within the lease boundary.	Not Applicable. Mine is closed since June 2017.
iii	High root density tree species shall be selected and planted over areas likely to be affected by subsidence.	Complied. 20,000 nos. of high root density tree species have been planted in an area of about 8 ha of land.
iv	Coal extraction including depillaring shall be carried out as per statuette in areas where agricultural production is continuing, areas of habitation & water bodies, roads, National Highway, etc.	Not Applicable. Mine is closed since June 2017.

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v	Subsidence shall be monitored closely and if subsidence is found exceeding the permitted limits, then the landowners shall be adequately compensated with mutual agreement of the landowners.	Not Applicable. Mine is closed since June 2017.
vi	Garland drains (size, gradient & length) around the safety areas such as mine shaft and low lying areas and sump capacity shall be designed keeping 50% safety margin over an above the peak sudden rainfall and maximum discharge in the area adjoining the mines sites. Sump capacity shall also be provided adequate retention period to allow proper settling of silt material.	Not Applicable. Mine is closed since June 2017.
vii	Water sprinkling system shall be provided to check fugitive emission from loading operations, conveyor system, haulage roads, transfer points, etc. Major approach roads shall be black topped and properly maintained.	Not Applicable. Mine is closed since June 2017.
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 area, etc by planting native plant species in consultation with the local DFO/Agriculture Department.	Complied. For developing green belt around mine lease area, roads, etc. 20,000 nos. Plants have already been planted. Plantation has been carried out through State Forest Agency. The density per Hectare is 2500 plants. Mine is closed since June 2017.

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ix	<p>Regular monitoring of ground water level and quality shall be carried out by,establishing a network of existing wells and construction new Piezometers. The monitoring for quantity shall be done four times in a year - premonsoon (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. The quality of groundwater shall be randomly got analyzed through laborites recognized under the EPA Rules 1986.</p>	<p>Complied.</p> <p>Monitoring of ground water level in core and buffer zone is carried out four times in a year and water quality analysis is done once in a year by establishing a network of the existing wells. Additionally, two nos. of the piezometers are fitted with Digital Water Level recorder with and without telemetry system (deep and shallow) are in operation to monitor the impact of mining on ground water level in core zone. Moreover, quality of ground water is being monitored by NABL accredited lab on fortnightly basis. A copy of the report is attached and is regularly submitted to RO, MOEF&CC and MPCB Office.</p> <p>(Annex-1, Groundwater monitoring report).</p> <p>CMPDIL is carrying out well water level monitoring in every quarter and no adverse report is there.</p> <p>Mine is closed since June 2017 and monitoring is going to be closed in next year.</p>
x	<p>The company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities should meet water requirement of nearby village (s) in case the village wells go dry due to dewatering of mine.</p>	<p>Complied.</p> <p>No decline of ground water table has been observed till date.</p> <p>Further, when the needarises, the project will supplement the water requirement of nearby villagers.</p> <p>Mine is closed since June 2017.</p>



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xi	<p>Besides carrying out regular periodic health checkup of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup 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.</p>	<p>Complied.</p> <p>Regular periodical health checkup of the workers is being done every 5 years.</p> <p>Further, wherever required, earmuffs& ear plugs are given to workers as per DGMS guidelines.</p> <p>Mine is closed since June 2017.</p>
xii	<p>Activities under CSR undertaken for the neighboring villages shall be for not less than Rs. 5 per tonne of coal and the progress made thereon shall be uploaded on the company annually on the company website.</p>	<p>Complied.</p> <p>Project proponent has successfully displayed the CSR activities along with expenditure statement company website (link-http://www.westerncoal.in/index1.php/StaticPage/147) since 2010-11 onwards.</p> <p>(Annex-2, CSR displayed on Company's Website)</p>
xiii	<p>A final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests within 5 years in advance of final mine closure for approval.</p>	<p>Complied.</p> <p>Mine closure plan approved by WCL Board 28.01.2013having account no. 089710760000239 in PNB, Jaripattka, Nagpur</p>
<p>B. General Conditions</p>		
i.	<p>No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.</p>	<p>Not Applicable.</p> <p>Mine is closed since June 2017.</p>

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ii	No change in calendar plan including quantum of mineral coal and waste shall be made.	<p>Not Applicable.</p> <p>Mine is closed since June 2017.</p>
iii	<p>Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring SPM, RSPM, SO₂&Nox. Location of the stations shall be decided based on the meteorological data, topographical features and environmental and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, in SPM and RSPM etc. shall be carried out at least one in six months.</p>	<p>Complied.</p> <p>Four monitoring stations are established in consultation with SPCB. Ambient air quality report enclosed.</p> <p>Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>(Annex-3, Environment report uploaded on Company's website)</p>
iv	<p>Data or ambient air quality (SPM, RSPM, SO₂& NO_x and heavy metals such as Hg, As, Ni, Cr, etc.) shall 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. Random verification of samples through analysis from independent laboratories recognized under the EP Rules, 1986 shall be furnished as part of the compliance report.</p>	<p>Complied.</p> <p>Four monitoring stations are established in consultation with SPCB. Ambient air quality report enclosed.</p> <p>Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>(Annex-3, Environment report uploaded on Company's website)</p>
V	<p>Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of</p>	<p>Not Applicable.</p> <p>Mine is closed since June 2017.</p>

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	HEMM, etc. shall be provided with earplugs / muffs.	
Vi	Industrial waste water (workshop and waste water from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents. Mine water shall be treated to prescribed standards in case discharged outside the premises.	Not Applicable. Mine is closed since June 2017.
Vii	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation the mineral shall be covered with tarpaulins and optimally loaded.	Not Applicable. Mine is closed since June 2017.
viii	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the Sate Pollution Control Board and data got analysis through a laboratory recognised under EP Rules, 1986	Complied. Four monitoring stations are established in consultation with SPCB. Ambient air quality report enclosed. Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153 (Annex-3, Environment report uploaded on Company's website)

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Ix	<p>Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.</p>	<p>Not Applicable.</p> <p>Mine is closed since June 2017.</p>
X	<p>A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.</p>	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p><u>At HQ, WCL</u>- The cell is headed by GM (Env) reporting to Director Technical. The team is comprised of multi-disciplinary trained executives.</p> <p><u>At Area level</u> – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p><u>At Unit Level</u>-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123</p> <p>(Annex-4, Organizational Chart on Company's Website)</p>

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Xi	<p>The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office at Bhopal.</p>	<p>Being complied.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose.</p> <p>(Annex-5, Undertaking)</p>
xii	<p>The project authorities should advertise at least in two local news papers 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 web site of the Ministry of Environment & Forests at http://envfor.nic.in.</p>	<p>Complied.</p> <p>PP has published advertisements in two newspapers.</p> <p>Advertisements are published in two Local News Papers:</p> <ol style="list-style-type: none"> 1) HITVADA (English) dated 28.08.2019. 2) PUNYA NAGRI (Marathi) dated 28.08.2019. <p>(Annex- 6, Newspaper Advertisement)</p>
Xiii	<p>A copy of the environmental clearance letter shall be marked to concerned Panchayat/JillhaParishad/Municipal Corporation or Urban Local Body/local NGO, if any, from whom any suggestion /representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on the company's website.</p>	<p>Complied.</p> <p>A copy of the receiving from Gram Panchayat is attached.</p> <p>(Annex- 7, Copy of receiving from Gram Panchayat)</p>
Xiv	<p>A copy of the clearance letter shall be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be</p>	<p>A copy of the clearance letter has already been sent to Regional Officer, MPCB, and Nagpur for the purpose.</p>

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	displayed at the Regional Office, District Industry Center and Collector's Office/Tehsildar's Office for 30 days.	
xv	The clearance letter 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 the public domain. The monitoring data of environmental quality parameters (air, water, noise and soil) & critical pollutants such as SPM, RPM, SO2 and Nox (ambient and stack if any) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website	<p>Complied.</p> <p>Copy of EC has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154</p> <p>(Annex- 8, EC uploaded on Company's Website)</p>
Xvi	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the MOEF, the respective Zonal offices of CPCB and the SPCB.	<p>Complied.</p> <p>A copy of six monthly has also been uploaded. at link- http://www.westerncoal.in/index1.php/StaticPage/155</p> <p>(Annex- 9, Six monthly uploaded on Company's website)</p>

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xvi i	<p>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 officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.</p>	<p>EIA and EMP already submitted. Monitoring Data sheet and status of implementation of EC compliance conditions is being sent half-yearly to MOEF.</p>
xvi ii	<p>The environmental statement for each financial year ending 31st March in form-V is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rule, 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 Officers of the MOEF by E-mail.</p>	<p>Complied.</p> <p>The Environmental Statement for each financial year is filled online in Form-V before 30th September of each year for onward submission to Maharashtra Pollution Control Board. Acknowledge receipt for the Environmental Statement for FY 2022-23 and FY 2023-24 is attached.</p> <p>(Annex-10, Environment Statement)</p> <p>The audit statement is also uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/265</p> <p>(Annex-11, Environment statement uploaded on Company's website)</p>



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