



**A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no-J-11015/43/2004 -IA.II (M) issued on 16.02.2018**

**regarding**

**Expansion of Bhanegaon Opencast Coal mine project (for production capacity from 0.70 MTPA to 1.15 MTPA) in an area of 347.46 ha in Tehsil-Kamptee, District-Nagpur in Maharashtra State**

**for**

**the period from 01/10/2022 to 31/03/2023  
submitted in fulfilment  
of the compliance of EC Condition**

**Submitted by:  
Office of the Sub Area Manager,  
Bhanegaon Singhori Sub Area,  
Post- Bina Bhanegaon, Tehsil- Kamptee,  
District- Nagpur, Maharashtra State, India  
M/s. Western Coalfields Limited, Nagpur**

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC, New Delhi vide letter no-J-11015/43/2004 -IA.II (M) issued on 16.02.2018 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division, ), Government of India for Expansion of Bhanegaon Opencast Coal mine project (for production capacity from 0.70 MTPA to 1.15 MTPA) located in an area of 347.46 ha in Tehsil Kamptee, District Nagpur of Maharashtra State under administrative control of M/s Western Coalfields Ltd., Nagpur Area – reg

S.N.	Statutory compliance	Compliance/ Status
4 a.	<b>Mining</b>	
i	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	<p><b>Complied.</b></p> <p>Mining operations are being carried out and continue to be carried out as per provision of Mine Act, 1952 and subordinate legislations made there-under as applicable. Till date, no deviation has been done during coal mining operations and executed as per DGMS guidelines. Copy of the DGMS permission attached.</p> <p><b>(Annex-1, Undertaking Mine Act 1952)</b></p>
ii	No change in the 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 (MOEF&CC).	<p><b>Complied.</b></p> <p>At present, there is no change in the mining method, calendar programme and scope of work and same will be done (if required in future) only after obtaining prior approval from MOEF&amp;CC or respective Ministry or Board.</p> <p><b>(Annex-2, Undertaking- No change in mining method).</b></p>
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 relevant circulars issued by Directorate General Mines Safety (DGMS).	<p><b>Complied.</b></p> <p>Mining operations are being carried out as per mining plan by abiding all the mining rules and DGMS guidelines issued time to time and will continue to be carried out accordingly.</p>



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		(Annex-3, Undertaking- Mining as per approved plan).
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 (Recognitions of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Not applicable. At present, no forest land exists within the mining lease area of this project; hence this condition is not applicable.
b)	Land reclamation and water conservation	
i	Digital survey of the entire lease area/core zone 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 (RO).	Complied.  Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out once in three years by Central Mine Planning and Design Institute, Ranchi (CMPDI). The latest survey report is attached.  (Annex-4, Satellite remote sensing survey report).  The reports are submitted to Regional Office of Ministry of Environment, Forest and Climate Change and the same are uploaded onto the company's website link- <a href="http://www.westerncoal.in/index1.php/StaticPage/155">http://www.westerncoal.in/index1.php/StaticPage/155</a>  (Annex-5, EC uploaded on Company's website)
ii	The surface drainage plan including surface water conservation plan for the area of influence affected by the said	Complied.  As per the approved mining plan of the project, there are no surface water bodies





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	<p>mining operations, considering the presence of river/rivulet /pond/lake etc. shall be prepared and implemented by project proponent. The surface drainage plan and/or any other 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.</p>	<p>like river/pond/lake in the project area and also there is no diversion of natural water courses. Further, as per statute, the mining is being carried out at a safe distance of 50-meter from (the cutting edge) nallah/ river (Pench and Kanhan river) flowing within the lease boundary.</p> <p>In addition to this mine embankment has been constructed having dimensions (3430 m length, 73.13 mt. width &amp; 10.24 mtrs height) has been constructed and also proposed for 100*30*6 m along the Kanhan river and established after 25,000 nos. of plantation in F.Y. 2017-18 by Madhya Pradesh Rajya Van Vikas Nigam Ltd along with maintenance for coming 04 years Name of species planted during are Ganga Imli, Amla, Neem, Karang, Pipal,kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni,etc. Photos for Plantation on the mine embankment is attached.</p> <p>(Annex-6, Plantation on mine embankment).</p>
iii	<p>Final mine void depth should be as per the approved Mine Closure Plan, and in case it exceeds more than 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick alive topsoil. Post mining land be rendered usable for agriculture/forestry purposes and shall be handed over to the respective state government as specified in the guidelines for Preparation of Mine Closure</p>	<p>PP is consented with the condition.</p> <p>The mine started its operation in FY 2015-16 and at present is in its 8<sup>th</sup> year of operation. The progress of mining activities is being carried out as per an approved mining plan. The Mine Closure Plan is an integral part of the approved Mining Plan. The post mining land use will be as per approved reports. As per the approved mining plan, mine closure plan</p>



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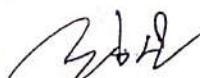
<p>Plan issued by the Ministry of Coal dated 27<sup>th</sup> August, 2009 and subsequent amendments.</p>	<p>and Addendum EIA/EMP, total final mine void would be 70.15 ha with depth of 155 m against the total quarry area is 88.15 ha. Total Backfilling quarry area is 18.00 ha. Further, mine void of 70.15 Ha with depth of 155 m proposed to be converted into water body for the benefit of local populace and will be complied with due course of time as mine is newly opened and has balance life of 22 years. Till date, there is no backfilling. The final mine void will be covered into water body. The Project has two nos. of dumps in an area of 160 Ha. (135 ha. -external OB dump &amp; 25 ha.-top soil dump) with 5mt height and (58.73 Mm<sup>3</sup> - external OB dumps &amp; 5.56 Mm<sup>3</sup> soil dumps) Mm<sup>3</sup> of OB. The OB from the current mining operation will not be backfilled. No internal OB dump is envisaged in the project.</p> <p>The land after completion of all closure activities and re-imbursement of corpus deposited appropriate action for handling over the land will be taken, A mine closure plan was approved by the WCL Board along with opening of account no. 323203800000470 at Union bank, Gandhi Bagh Nagpur. The total fund available in account as on date is Rs. 16,38,72,502.00 for F.Y. 22-23.</p> <p>Post Mining land will be made usable for agricultural /forestry purposes and shall be handed over to the respective State Government as per the Final Mine Closure Plan. Till date, there is no backfilling.</p> <p><b>(Annex-7, Mine Closure Plan).</b></p>
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iv	<p>The entire excavated area, backfilling external OB Dump (including topsoil) and afforestation plan shall be in conformity with the "during mining/post mining" land use pattern which is an integral part of the approved mine closure plan and the EMP/EIA submitted to this Ministry. Progressive compliance status vis-à-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.</p>	<p><b>Complied.</b></p> <p>The excavation, external OB dumping, plantation etc. is being carried out as per the approved Mining Plan in conformity with the submitted mining land use plans &amp; EIA-EMP submitted to MOEF&amp;CC.</p> <p>Six monthly EC compliance is regularly submitted to Ministry of Environment, Forest &amp; Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p><b>(Annex-8, Email submission of six-monthly EC compliance).</b></p>
v	<p>The top soil, if any, shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purposes. Active OB shall be stabilized with native grass species to prevent erosion and surface runoff. 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 on six monthly basis.</p>	<p><b>Complied.</b></p> <p>As the mine is newly opened in 2015 and Topsoil is stacked separately at an earmarked site and later the same will be used for land reclamation and plantation purpose during progressive backfilling of the mine because at present mine backfilling is Nil.</p> <p>Topsoil removed in the F.Y 2021-22 is 0.516 Mm3 and total topsoil maintained at earmarked site as on 31.03.2023 is 1.20 Mm3 and utilization of topsoil as on date is Nil. A copy of the yearly return of the mine enclosure for F.Y 2021-22 is enclosed herewith for your ready reference.</p> <p><b>(Annex-9, Yearly report of mine closure)</b></p>





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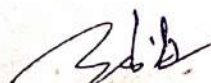
		<p>The following are the OB dumps including topsoil dump in the project area.</p> <p>Total dumps are 08 nos. Height of the Black Cotton/Topsoil dump is 30 mtrs. and same for OB dump is 28 mtrs and height for loose OB is 36 mtrs.</p> <p>The topsoil will be used for land reclamation (after backfilling) and plantation purpose with due course of time as per EIA/EMP. Active OB dumps such as mine embankment has been stabilized with 25,000 nos. of plantation by native species with 04 years maintenance by MPRVVN, Chindwara to prevent water infiltration, erosion and surface runoff. A copy of the MOU with MPRVVN, Chindwara is attached herewith.</p> <p><b>(Annex-10, MOU with MPRVVN)</b></p> <p>The other overburden dumps and excavated area will also be vegetated with native flora species with due course of time in line with the approved Mine Closure Plan only. Status of Land reclamation report is submitted along with six monthly compliance reports.</p>
<b>C</b>	<b>Emissions, effluents, and waste disposal</b>	
<b>i</b>	<p>Transportation of coal, to the extent permitted by road shall be carried out by covered truck/conveyer. Effective control measures such as regular water sprinkling/mist/rain gun shall be carried out in critical areas prone to air pollution (with high levels of PM10 and PM2.5) such</p>	<p><b>Complied.</b></p> <p>At present, due to installation of the closed pipe conveyor belt system in the said mine, coal is being transported through the conveyor belt system to the 2 nos. of TPSs named Khaparkheda &amp; Koradi TPSs</p>





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<p>as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the 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.</p>	<p>of the MAHAGENCO.</p> <p><b>(Annex-13, Geotagged photos of pipe conveyor belt system)</b></p> <p>Control measures are in place to mitigate air pollution due to mining activities.</p> <p>The details of existing air pollution control measures are placed below:</p> <ul style="list-style-type: none"> <li>a) Three nos. of the mobile water tanker having a capacity of 12KL, 12 KL and 06 KL are deployed for the water spraying regarding effective dust suppression on coal transportation roads, haul road &amp; near coal stock yard.</li> <li>b) All Coal Carrying trucks are being properly covered by Tarpaulin to minimize the fugitive dust emission (arise due to coal spillage) and trucks are being monitored through via CCTVs cameras &amp; GPS system for the compliance.</li> <li>c) 18 nos. of Fixed Water Sprinklers have been installed and are in operation near to coal stock yard to the weigh bridge to suppress the fugitive dust.</li> <li>d) To minimize the dust generation during coal transportation the roads have been black topped.</li> <li>e) Manual Road Sweeping is done routinely along the roadside for maintaining Cleaning &amp; brooming at the project.</li> </ul>
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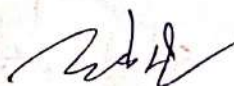
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		<p>f) As said, mine is totally HoE Mine (Hire of Equipment) &amp; all the operating vehicles are certified by PUC to control pollution. Heavy vehicles are regularly maintained &amp; washed at the RTO, Nagpur authorized Service Centre. That limits the use of ETP at the Project Site.</p> <p>g) To reduce electricity consumption LED lights have been installed in all offices &amp; Chankapur Colony.</p> <p>h) To reduce air pollution in colony area, (12 km away from project), all workers have facilitated with LPG cylinders by management. No Coal is issued to workers for domestic purpose.</p> <p>i) Four number of AAQ monitoring stations have been established for regular monitoring (TPM, PM 10, PM 2.5, SO<sub>2</sub>, NO<sub>x</sub>) of the ambient air quality and water also. The monitoring is done by Central Mine Planning and Design Institute, Regional Institute no-IV, Nagpur-A NABL Accredited Lab on a fortnight basis. And reports are regularly being submitted to MOEF&amp;CC, New Delhi &amp; Regional Office also.</p> <p>j) As the said mine has started in July 2015 &amp; so on primarily 600 nos. of bamboos have already been planted and also 25000 nos. in</p>
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		<p>F.Y. 2017-18 near to mine embankment and project authority is committed for further rest of the plantation as per EMP in the succeeding.</p> <p><b>(Annex-11, Pollution control measures)</b></p> <p>Proposed pollution control measures:</p> <ol style="list-style-type: none"> <li>1. Installation and commissioning of the tyre wash system at the entry and exit point of the mine is expected to be completed latest by October 2023.</li> <li>2. 2 nos. of mist canon having throw of 100m is going to be deployed by June 2023.</li> <li>3. Deployment of the mechanical brooming machine is in tendering process and expected to be deployed latest by July 2023.</li> <li>4. Installation and commissioning of the CAAQMS at project latest by October 2023.</li> </ol>
ii	<p><b>Green belt consisting of 3- tier plantation of width not less than 7.5 m width 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.</b></p>	<p><b>Noted for Compliance.</b></p> <p>As the said mine has started in July 2015 and 25,600 nos. of plantation of the native species in F.Y. 2017-18 near to mine embankment &amp; OB dump and project authority has been done and is committed for further rest of the plantation as per EMP in the succeeding years. Plan showing latest plantation status on mine embankment and OB is attached.</p> <p><b>(Annex-6, Plantation on mine embankment)</b></p>





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iii	<p>Transportation of the coal shall be carried out as per the provisions and route proposed in the approved Mining plan. Transportation of 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 could be appropriately mitigated.</p>	<p><b>Complied.</b></p> <p>To eliminate the air pollution due to coal transportation by road, installation of pipe conveyor has been commissioned for transportation of coal from mine to thermal power plants.</p> <p>At present, due to installation of the closed pipe conveyor belt system in the said mine, coal is being transported through the conveyor belt system to the 2 nos. of TPSs named Khaparkheda &amp; Koradi TPSs of the MAHAGENCO. which is contributing in the reduction of the fugitive dust generation during mineral transportation, saving of the fossil fuel used during the coal transportation directly effecting the environment and national economy. Indirectly, it is also reducing the stress on fossil fuel (diesel), reduction in disease caused due to the fugitive emission, road accidents/ traffic and carbon emission.</p> <p><b>(Annex-13, Geotagged photos of pipe conveyor belt system)</b></p> <p>Balance coal is transported through a blacked topped coal transportation road as per the route plan proposed in the approved Mining plan. All the coal carrying trucks are properly covered by tarpaulin to reduce fugitive dust emission.</p> <p><b>(Annex-12, Tarpaulin covered trucks photo).</b></p> <p>Further, coal is transported as per the</p>
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		<p>provisions and route envisaged in the approved Mining Plan or Environment Management Plan.</p> <p>The following air pollution control measures are in place to mitigate air pollution due to mining activities; coal transportation and allied activities are placed below:</p> <ul style="list-style-type: none"> <li>• 18 nos. of Fixed Water Sprinklers have been installed and are in operation near to coal stock yard to the weigh bridge to suppress the fugitive dust.</li> <li>• One no of mist canon trolley mounted system type for dust suppression has deployed on mobile crusher.</li> <li>• Three nos. (3) of the mobile water tanker having a capacity of 28 kl, 12 kl and 06 kl are deployed for the water spraying regarding effective dust suppression on coal transportation roads, haul road &amp; near coal stock yard.</li> <li>• All Coal Carrying trucks are being properly covered by Tarpaulin to minimize the fugitive dust emission (arise due to coal spillage) and trucks are being monitored through via CCTVs cameras &amp; GPS system for the compliance.</li> <li>• To minimize the dust generation during coal transportation the roads have been black topped.</li> <li>• Road Sweeping is done by manual means on as and when required</li> </ul>
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	<p>basis.</p> <ul style="list-style-type: none"> <li>• The mine is operated under HoE (Hire of Equipment. All the operating vehicles have valid PUC certificates. HEMMs are serviced, washed and other maintenance works are carried out at authorized service centers outside the project area. That limits the use of ETP at the Project Site.</li> <li>• To reduce electricity consumption LED lights have been installed in all offices &amp; Chankapur Colony.</li> <li>• To reduce air pollution in colony area, (12 km away from project), all workers have facilitated with LPG cylinders by management. No Coal is issued to workers for domestic purpose.</li> <li>• Four number of AAQ monitoring stations have been established for regular monitoring (TPM, PM10, PM2.5, SO2, NOX) of the ambient air quality and water also. The monitoring is done by Central Mine Planning and Design Institute, Regional Institute no-IV, Nagpur-A NABL Accredited Lab on a fortnight basis. And reports are regularly being submitted to MOEF&amp;CC, New Delhi &amp; Regional Office also.</li> <li>• Till date 25,600 nos. of saplings planted within the ML area covering an area of 36.6 ha (approx.). Plantation program is carried out through State expert agencies with 4 years maintenance after year of plantation.</li> </ul>
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		<p>Proposed pollution control measures:</p> <ol style="list-style-type: none"> <li>1. Installation and commissioning of the tyre wash system at the entry and exit point of the mine is expected to be completed latest by October 2023.</li> <li>2. 2 nos. of mist canon having throw of 100m is going to be deployed by June 2023.</li> <li>3. Deployment of the mechanical brooming machine is in tendering process and expected to be deployed latest by July 2023.</li> <li>4. Installation and commissioning of the CAAQMS at project latest by October 2023.</li> </ol>
iv	<p>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.</p>	<p>Complied.</p> <p>As per the present practice, the PUC (Pollution Under Control) Certificate from the authorized pollution testing center is mandatory for all vehicles in the mine premises area and the same will be continued in future also.</p> <p>(Annex-14, Undertaking, PUC certificate)</p>
v	<p>Coal stockpile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid airborne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Complied.</p> <p>At present, water spraying system through rain guns is installed at belt conveyor system and exchange points and deployment of 02 no. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system is in process and installed by June 2023 and Drills are wet operated and are fitted</p>






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		with dust collectors during drilling.  (Annex-15, Photo of mist canon having 100m throw)
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.	<p><b>Complied.</b></p> <p>CHP hasn't been constructed yet. Adequate dust suppression arrangement will be put into operation once it comes up.</p> <p>At present, water spraying system through rain guns is installed at belt conveyor system and exchange points and deployment of 02 no. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system is in process and installed by June 2023</p> <p>Regarding Fugitive dust monitoring, it is submitted that as per CMR 123 of 1957, 8 hour weighted work zone standard for fugitive emission is 3000 µg/m<sup>3</sup>. Fugitive dust monitoring is carried out at.</p> <ol style="list-style-type: none"> <li>1. Bhanegaon OCM-Coal Stock-NSOF-1</li> <li>2. Bhanegaon OCM-Weighbridge-NSOF-2</li> </ol> <p>Fugitive dust concentration report for the period 07.01.23 to 15.02.23 is attached.</p> <p>(Annex-16, Fugitive dust report)</p>
vii	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be	<b>Complied.</b>

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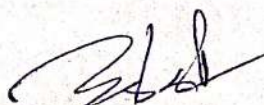
<p>implemented for conservation and augmentation of ground water resources.</p>	<p>It is informed that no ground water, other than pumped water from mine is being used for meeting the industrial demand viz. dust suppression, plantation etc. No ground water is used for extraction of coal or evacuation of OB/Soil is being used for mining operation.</p> <p>Water conservation measures implemented in project are roof top rainwater harvesting system has been installed at the Office of the Sub Area Manager, Mine Manager, Sub stations and hostel building etc. for conservation and augmentation of ground water resources.</p> <p><b>(Annex-17, Rainwater harvesting photos).</b></p> <p>Additionally, out of total land of 347.46 ha, only 88.15 Ha is in use for excavation 137.20 ha for OB dumping, 07 ha for embankment and infrastructure which comes to about 70% of the total land. The remaining land of 115 Ha is still untouched and serving as a water recharge structures.</p> <p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly intervals. Reports attached.</p> <p><b>(Annex-18, Groundwater monitoring report)</b></p> <p>Additionally, balance water is being supplied to MAHAGENCO i.e., WCL has signed an MoU with Maharashtra Govt. to</p>
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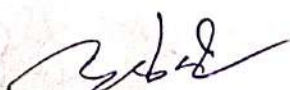
		<p>provide 10.79 MM<sup>3</sup>/year water from the said OC mine to Thermal Power Plants of MAHAGENCO and water previously utilized by the MAHAGENCO from the Pench Dam will be utilized by the Nagpur city. MoU signed with MAHAGENCO to supply water from the Bhanegaon OCM WCL, Nagpur Area and photos of the Raw water filter plant for water treatment and water boosting station established by MAHAGENCO for water supply from Bhanegaon OCM is attached.</p> <p>(Annex-19, Raw water filter plant photos)</p>
viii	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. Further, dump material shall be properly consolidated /compacted and accumulation of water over dumps shall be avoided by provided by adequate channels for flow of silt into the drains. The drains/ponds so constructed shall be regularly desilted particularly before onset off monsoon and maintained properly. The sump capacity should provide adequate retention time period to allow proper settling of the silt material. The water so collected in the sump shall be utilized for dust suppression measures and green belt development. Dimension of the retaining wall constructed, if any should be base on the rainfall data. The plantation of the native species to be made between toe of</p>	<p><b>Complied.</b></p> <p>To arrest the silt, catch drains of size 1850 m(L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains &amp; sedimentation ponds are desilted periodically &amp; maintained properly especially onset of monsoon.</p> <p>Further, one no. of Garland drain having size 1100 m (L) x 20 m (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site.</p> <p>The accumulated water after proper settling of silt material is reused internally.</p> <p>For collection and treatment of strata</p>





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<p>the dump &amp; adjacent field/habitation/water bodies.</p>	<p>water seepage, cross drains are construction for directing the strata seepage towards mine sump at quarry floor area. In Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment.</p> <p>The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt &amp; dust suppression etc. and the surplus water is discharged into Nallah/Kanhan river.</p> <p>Till date, 25,600 nos. of saplings planted covering an area of 10 Ha. The following native species are planted:</p> <p>Ganga Imli, Amla, Neem, Karang, Pipal, Kachnar, Acacia, Sisoo, Peltandra, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc.</p> <p>The plantation programmed has been carried out by State expert agency MPRVN with maintenance of 4 years after the year of plantation.</p> <p>To arrest the flow of silt and sediments, following measure are taken:</p> <p>i) Garland drains of length 3340 m are constructed around the OB dumps and proposed for 680 m also. These drains are desilted before onset of monsoon.</p> <p>ii) The silt and sediment from OB benches are guided through cross drainage into the mine sump having sufficient capacity to allow settlement of suspended particles</p>
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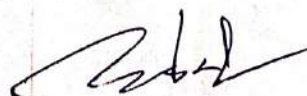
		<p>and then the supernatant is pumped to surface sedimentation tank and Raw water Filter plant of size 60X30X1.2 mtr and 30X12X2.5 mtr.</p> <p>The treated water from sedimentation tanks is used for industrial purposes by supplying to thermal power plants of the MAHAGENCO.</p> <p>Showing Raw Water Screening Plant at Bhanegaon for water treatment.</p> <p><b>(Annex-20, Raw water treatment plant photos)</b></p> <p>Showing water Pumping station for MAHAGENCO.</p> <p><b>(Annex-21, Geotagged photos of Water pumping station)</b></p> <p>Plantation of around 25,600 nos. of native species has been done at mine embankment, OB dumps &amp; between river &amp; project.</p>
ix	<p><b>Industrial wastewater generated from CHP, workshop and other wastewater shall be properly collected and treated so as to conform to the standards prescribed under Environment Protection Act, 1986 and the rules made there under and as amended from time to time. Oil and grease trap should be installed and maintained fully functional with effluents discharge adhering to the norms. Sewage treatment plant of adequate capacity shall be installed in the existing colony and offices.</b></p>	<p><b>Complied.</b></p> <p>The quality of mine pumped out water is being monitored fortnightly by CMPDIL, RI-IV, Nagpur and the reports are submitted to RO, MOEF&amp;CC and SPCB regularly. In Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12 hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment. The treated mine pumped out water is being utilized within the mine premises for</p>





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		<p>maintenance of greenbelt &amp; dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>A copy of the last one-year monitoring report of mine discharge is attached.</p> <p><b>(Annex-18, Groundwater monitoring report)</b></p> <p>As, the mine is being operated under HoE, there is no township for employees in the mine premises, no sewage is generated and eliminate the need of the sewage treatment plant.</p> <p>Regular monitoring of treated mine discharge water is being carried out on fortnightly by CMPDIL, RI-IV, Nagpur and reports are being submitted to IRO, MOEF&amp;CC and SPCB on regular basis.</p>
x	<p><b>Adequate ground water recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby villages in case the village wells go dry due to dewatering of mine.</b></p>	<p><b>Complied.</b></p> <p>Rainwater harvesting system has been installed at the building of the O/O The Sub Area Manager, Bhanegaon Singhori Sub Area, and Transit Hostel at Chankapur Colony. Further, it may be mentioned here that the leftover mine voids after life of mine will also serve as water body &amp; helping in water conservation &amp; in improving groundwater levels. PP is committed to provide the water to nearby villagers if village go dry but ground water report is not showing such kind of trends. In general, at present, the excess treated mine pumped out water discharged to local streams/ nullah is</p>





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		<p>being used by the neighboring community.</p> <p>In this regard, WCL has signed and MoU with Maharashtra Govt. to provide 10.79 MM<sup>3</sup>/year water from the said OC mine to Thermal Power Plants of MAHAGENCO and water previously utilized by the MAHAGENCO from the Pench Dam will be utilized by Nagpur city.</p> <p>Showing Coverage of the HITVADA during signing of the MOU between WCL and MAHAGENCO.</p> <p>(Annex-22, Coverage of Hitvada)</p> <p>Showing installation of Rainwater harvesting system.</p> <p>(Annex-17, Rainwater harvesting photos)</p>
<b>D</b>	<b>Illumination, Noise &amp; Vibration Control:</b>	
<b>i</b>	Adequate illumination shall be ensured in all mine locations and monitored weekly. Report on the same shall be submitted to this ministry and it's RO on six monthly basis.	<p><b>Complied.</b></p> <p>Illumination has been maintained as per new CMR guidelines. Latest illumination report.</p> <p>(Annex-23, Illumination report)</p>
<b>ii</b>	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with ear plugs/muffs. Adequate awareness programme for users to be conducted.	<p><b>Complied.</b></p> <p>Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPE like Ear plugs/ muffs etc. with</p>




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	<p>Progress in usage of such accessories to be monitored.</p>	<p>personal protective equipments. Regular awareness programme for training and retraining of workers are also conducted in vocational training center.</p> <p>Details of VTC training are as follows:</p> <table> <tr> <th rowspan="2">Year</th><th colspan="2">VTC</th></tr> <tr> <th>Contractual</th><th>Departmental</th></tr> <tr> <td>2017-18</td><td>61</td><td>26</td></tr> <tr> <td>2018-19</td><td>37</td><td>16</td></tr> <tr> <td>2019-20</td><td>39</td><td>02</td></tr> <tr> <td>2020-21</td><td>11</td><td>302</td></tr> <tr> <td>2021-22</td><td>293</td><td>40</td></tr> <tr> <td>2022-23</td><td>59</td><td>27</td></tr> </table> <p>(Annex-24, VTC training details)</p>	Year	VTC		Contractual	Departmental	2017-18	61	26	2018-19	37	16	2019-20	39	02	2020-21	11	302	2021-22	293	40	2022-23	59	27
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iii	<p>Controlled blasting techniques should be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by DGMS.</p>	<p>Complied.</p> <p>Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as permitted by DGMS is being adopted. Undertaking is attached.</p> <p>(Annex-25, Undertaking-Controlled)</p>																							



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		blasting as per DGMS guidelines)
iv	The noise level survey shall be carried out and per the prescribed guidelines to access noise exposure of the workman at vulnerable points in the mine premises and report in this regard shall be submitted to the ministry of /RO on six monthly basis.	<p><b>Complied.</b></p> <p>Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as permitted by DGMS is being adopted. Further, regarding the noise level monitoring covering working areas such as drilling at active mine bench and ground vibration reports and the records are accordingly maintained at project level for routine inspection by DGMS officials as per Mines Act, 1952.</p> <p><b>(Annex-25, Undertaking-Controlled blasting as per DGMS guidelines)</b></p> <p>Noise level monitoring is carried out regularly on a fortnightly basis at different locations covering core &amp; buffer zones and the reports are submitted to IRO, MOEF&amp;CC on regular basis. The monitoring stations are as below: 1. NBON-1-Contractor camp.</p> <p><b>(Annex-18, Ground water monitoring report).</b></p>
E	<b>Occupational Health &amp; Safety:</b>	
i	Proponent shall undertake an Occupational Health Survey for initial and Regular Periodical medical examination of the workers engaged in the Project and maintain records accordingly as per the Mines Rules, 1955 and DGMS Circulars. Besides being regular periodic checkup,	<p><b>Complied.</b></p> <p>Personal working in dusty areas is provided with dust masks. Periodical health check-up of mine workers are carried out once in 5 years with the</p>





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	20% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupation disease and impairment, if any.	<p>purpose of detecting occupational diseases &amp; hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 45 years are subjected to periodic medical examination at three years interval.</p> <p>Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.</p> <p>At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise details are attached.</p> <p><b>(Annex-26, IME/PME report)</b></p>																		
ii	Personnel (including outsourcing employee) 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.	<p><b>Complied.</b></p> <p>Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work. Details for distribution of PPE kit in FY 22-23 is as follows:</p> <table border="1"> <thead> <tr> <th>Sr no</th><th>PPE Equipment</th><th>Nos. Distributed</th></tr> </thead> <tbody> <tr> <td>1</td><td>First Aid Kit</td><td>24</td></tr> <tr> <td>2</td><td>Helmet</td><td>68</td></tr> <tr> <td>3</td><td>Earmuffs</td><td>20</td></tr> <tr> <td>4</td><td>Masks</td><td>65</td></tr> <tr> <td>5</td><td>Florescent</td><td>73</td></tr> </tbody> </table>	Sr no	PPE Equipment	Nos. Distributed	1	First Aid Kit	24	2	Helmet	68	3	Earmuffs	20	4	Masks	65	5	Florescent	73
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		<table> <tr> <td></td><td>jackets</td><td></td></tr> <tr> <td>6</td><td>Life Jackets</td><td>11</td></tr> <tr> <td>7</td><td>Water Bottle</td><td>Nil</td></tr> <tr> <td>8</td><td>Mining Shoes</td><td>159</td></tr> <tr> <td>9</td><td>Gum Boot</td><td>135</td></tr> <tr> <td>10</td><td>Goggles</td><td>Nil</td></tr> </table> <p>Safety awareness programme &amp; training are conducted regularly for personnel of the project.</p> <p>(Annex-27, PPE kit details).</p>		jackets		6	Life Jackets	11	7	Water Bottle	Nil	8	Mining Shoes	159	9	Gum Boot	135	10	Goggles	Nil
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iii	Skill training as per safety norms specified by DGMS shall be provided to all workman including the outsourcing employee to ensure high safety standards in mine.	<p><b>Complied.</b></p> <p>Skill training as per safety norms specified by DGMS is provided to all workmen including the outsourcing employee on regular basis to ensure high safety standards in mine.</p>																		
<b>F</b>	<b>Ecosystem and Biodiversity conservation</b>																			
i	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	<p><b>Complied.</b></p> <p>The issues raised during the public hearing are being properly addressed. Land outsees has being compensated and employment has been given to all the eligible persons as per R&amp;R policy. All the guidelines will be adhered to from time to time framed by Government body in future.</p> <p>Details up to March 2023.</p>																		



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		<p>Employment – 79 nos.  Monetary Compensation given to–60 nos.  Land compensation paid – 64.21 crores.  Land outsees has been compensated as per the norms laid down in the R&amp;R policy of the company.  Tenancy land compensation- 317.7966 Ha - is Rs. 59.58 Cr.  Land compensation given for 29.66 Ha Govt. land - Rs. 4.62 Cr.</p>
<b>G</b>	<b>Public Hearing, R&amp;R &amp; CSR Activities:</b>	
<b>i</b>	<p>Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land oustees should be compensated as per the norms laid out R&amp;R Policy of the Company or the National R&amp;R Policy or R&amp;R Policy of the State Government, as applicable.</p>	<p><b>Complied.</b></p> <p>Latest status on the compliance of action plan on the issues raised during Public Hearing is enclosed.</p> <p><b>(Annex-28, Latest Status of Public Hearing)</b></p> <p>Further, PP is committed towards the timely completion of all the tasks as per the action plan submitted to MOEF&amp;CC with the budgetary provision as per company/Govt. norms.</p> <p>Concerned land oustees had been compensated as per the norms laid out R&amp;R Policy of the Company.</p>
<b>ii</b>	<p>The project proponent shall ensure that the expenditure towards socio economic development in and around the mine in every financial year, in pursuance of its Corporate Social Responsibility Policy under Section 135 of the Companies Act, 2013.</p>	<p><b>Complied.</b></p> <p>As per the CIL's CSR policy under Companies Act, 2013, the fund for the CSR is being allocated based on 2% of the average net profit of the Company for the three immediately preceding financial years or Rs 2.00 per Ton of Coal Production of the previous year whichever</p>





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		<p>is higher and the same CSR fund allocated utilized towards socio economic development of villages neighboring the project within 25 km range. Details of undertaken for CSR as attached.</p> <p><b>(Annex-29, CSR activities)</b></p> <p>Additionally, last 10-year CSR activities of the Company web site at link <a href="http://www.westerncoal.in/index1.php/StaticPage/147">http://www.westerncoal.in/index1.php/StaticPage/147</a></p> <p><b>(Annex-30, last 10-year CSR activities on Company website)</b></p>
iii	The project proponent shall follow the mitigation measures provided in Office Memorandum No 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".	<p><b>Not applicable on current mine lease area and PP consented to the condition in future, if required.</b></p> <p>No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p><b>(Annex-31, Mine working plan)</b></p>
iv	The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	<b>Not applicable on as no grazing land is involved in the project area.</b>
H	<b>Corporate Environment Responsibility:</b>	





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i	The Company should have a well laid down Environment Policy approved by the Board of Directors. The Environment Policy should prescribe for standard operating process/procedures to bring into focus any infringements /deviation/violation of the environmental or forest norms/conditions. To have proper checks and balances, the Company should have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large.	<p>Complied.</p> <p>The Coal India Limited Corporate Environment Policy 2019 duly followed WCL is attached.</p> <p>(Annex-32, CIL Policy).</p>
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.	<p>Complied.</p> <p>The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions is displayed on the website of the Company.</p> <p>Link:  <a href="http://www.westerncoal.in/index1.php/StaticPage/123">http://www.westerncoal.in/index1.php/StaticPage/123</a> </p> <p>(Annex-33, Organizational chart of the Company)</p>
iii	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 Organization.	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p>





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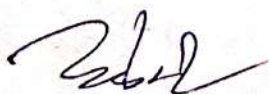
		<p>At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), &amp; Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level-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 -  <a href="http://www.westerncoal.in/index1.php/StaticPage/123">http://www.westerncoal.in/index1.php/StaticPage/123</a></p> <p><b>(Annex-33, Organizational chart of the Company)</b></p>
iv	<p>Action plan for implementing EMP conditions shall be prepared and duly approved by competent authority. The year wise funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry and its Regional Office along with six monthly compliance reports.</p>	<p><b>Being complied.</b></p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is shown in every six-monthly compliance report sent to MOEF&amp;CC.</p> <p><b>(Annex-8, Email submission of six-monthly EC compliance).</b></p> <p>Capital Expenditure till 31/03/2023 is Rs. 124.21 lakhs  Revenue Expenditure till 31/03/2023 is Rs. 179.44 lakhs.</p>





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		<p>A copy of the last five financial year environmental expenditure.</p> <p>(Annex-34, Capital/Revenue Expenditure details)</p>
v	<p>Self-environment audit shall be conducted annually. Even three years third party environment audit shall be carried out.</p>	<p>PP has consented to the condition.</p> <p>A self-internal environmental audit system has been setup in the company recently. At Area level, a multi-disciplinary committee has been constituted by order of competent authority to review the compliance status every month through a formatted checklist. Inter-area inspection to review compliance status is being done on a quarterly basis. The report of the inspection is put up to the subsidiary level apex committee which has been constituted under the chairmanship of Director (Technical), WCL. Mechanism for internal monitoring of EC compliance.</p> <p>(Annex-35, Internal monitoring of EC compliance)</p> <p>Verification of the EC condition compliance done by third party i.e. National Environmental Engineering Research Institute (NEERI) on dated 11.02.2021 and communicated vide letter 26.02.2021 is attached.</p> <p>(Annex-36, Third party audit report)</p>
I	<b>Statutory Obligations:</b>	
I	<p>Environmental clearance shall be subject to order of Hon'ble Supreme Court of</p>	<p>Noted and agree.</p>





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	India, Hon'ble High Court, NGT and any other Court of Law from time to time, and as applicable to this project.	
ii	This Environmental Clearance is subject to obtaining requisite wildlife if applicable from the Standing Committee of National Board for Wildlife.	Not applicable on project as no endangered/endemic flora/fauna has spotted, so far.
iii	The Project Proponent shall obtain Consent to Establish and Consent to Establish/ Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.	<p>Noted and complying with.</p> <p>Project is having a valid Consent to Establish (CTE) &amp; Consent to Operate (CTO) for 1.15 MTPA production capacity is valid up to 31.03.2023 from Maharashtra Pollution Control Board, Mumbai.</p> <p>The same has been applied for renewal and is in process at MPCB.</p> <p>A copy of the application for renewal of application along with Consent to Operate and Consent to Establish is attached.</p> <p>(Annex-37, Application for renewal of application along with CTO and CTE)</p>
iv	The Project Proponent shall obtain the necessary prior permission from the Central Ground Water Authority (CGWA).	<p>Complied.</p> <p>NOC from the Central Ground water Authority (CGWA) has been secured on 03.03.2022 and validity up to 02.03.2024 and copy attached.</p> <p>(Annex-38, NOC from CGWA)</p>
J	<b>Monitoring of Project</b>	
i	Adequate ambient air quality monitoring stations shall be established in the core	Complied.





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zone as well as in the buffer zone for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> monitoring. 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. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.

Air quality monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> is being carried out on fortnightly basis and the reports are being submitted to RO, MOEF&CC and SPCB regularly.

Based on the meteorological data & topographical features, air quality monitoring stations are decided in consultation with SPCB covering core zone & buffer zones.

Please refer to Annex-16, regarding details of Stations, locations & monitored values for ambient air quality monitoring. A copy of the monitoring reports is attached for the period Oct 2022 to March 2023.

(Annex-39, Environment monitoring report)

Photo: Showing Environment Monitoring report.

Name of the mine	Station
Ambient Air Quality Monitoring Station at Bhanegaon OC	Near Manager Office
	Bina Sangar Temple
	Dorli Village
	Bina Village
Water Quality & monitoring station at Bhanegaon OC	Mine Water Discharge
Noise monitoring station at Bhanegaon OC	Contractor Camp



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		<p>Regarding Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months. The latest report of heavy metal monitoring is enclosed.</p> <p><b>(Annex-40, Heavy metal report)</b></p>					
ii	<p>The ambient air quality monitoring in the core zone shall be carried out to ensure the coal industry standard notified under GSR 742 (E) Dated 25.09.2000 as amended from time to time by CPCB. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, etc. shall be regularly reported to the ministry regional office and to the CPCB/SPCB.</p>	<p><b>Complied.</b></p> <p>Air quality monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> is being carried out on fortnightly basis and the reports are being submitted to RO, MOEF&amp;CC and SPCB regularly.</p> <p>Based on the meteorological data &amp; topographical features, air quality monitoring stations are decided in consultation with SPCB covering core zone &amp; buffer zones.</p> <p>Please refer to Annex-16, regarding details of Stations, locations &amp; monitored values for ambient air quality monitoring. A copy of the monitoring reports for the last two quarters (Oct 2022 to March 2023 are enclosed)</p> <p><b>(Annex-39, Environment monitoring report)</b></p> <table><tr><th>Name of the mine</th><th>Station</th></tr><tr><td rowspan="2">Ambient Air Quality Monitoring Station at Bhanegaon OC</td><td>Near Manage Office</td></tr><tr><td>Bina Sangar Temple</td></tr></table>	Name of the mine	Station	Ambient Air Quality Monitoring Station at Bhanegaon OC	Near Manage Office	Bina Sangar Temple
Name of the mine	Station						
Ambient Air Quality Monitoring Station at Bhanegaon OC	Near Manage Office						
	Bina Sangar Temple						



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		<table> <tr> <td></td><td>Dorli Village</td><td></td></tr> <tr> <td></td><td>Bina Village</td><td></td></tr> <tr> <td>Water Quality &amp; monitoring station at Bhanegaon OC</td><td>Mine Water Discharge</td><td></td></tr> <tr> <td>Noise monitoring station at Bhanegaon OC</td><td>Contractor Camp</td><td></td></tr> </table> <p>Regarding Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months.</p> <p>(Annex-40, Heavy metal report)</p>		Dorli Village			Bina Village		Water Quality & monitoring station at Bhanegaon OC	Mine Water Discharge		Noise monitoring station at Bhanegaon OC	Contractor Camp	
	Dorli Village													
	Bina Village													
Water Quality & monitoring station at Bhanegaon OC	Mine Water Discharge													
Noise monitoring station at Bhanegaon OC	Contractor Camp													
iii	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the coal industry standards of GSR 742 (E) Dated 25.09.2000 and as amended from time to time by CPCB.	<p>Not applicable at present.</p> <p>The said mine is total HoE mine (Hiring of Equipment's) and all machinery is being washed / serviced at the RTO designated stations in Nagpur and there is no need for the workshop at the mine premises. Although, quality of mine pumped out water being monitored fortnightly by CMPDIL, RI-IV, Nagpur and reports show that the parameters are within permissible limits. Mine discharge water quality is monitored on fortnightly basis and the reports are submitted to RO, MOEF&amp;CC and SPCB regularly.</p> <p>(Annex-8, Email submission of six-monthly EC compliance.)</p>												
iv	The monitoring data shall be uploaded on the company website and displayed at the project site at a suitable location. The circular no. J-20012/1/2006/IA.II(M) Dated 25.09.2000 and as amended from time to time by CPCB.	<p>Complied.</p> <p>Environmental monitoring reports are being uploaded on the company's website regularly and displayed at project site near to the project manager office. Link to access the data is as below:</p>												



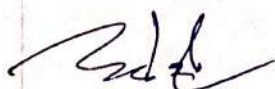
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		(Annex-40.A, Monitoring data uploaded on Company's website)
v	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year pre- monsoon, monsoon, post-monsoon and winter and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office.	<p>Complied.</p> <p>Monitoring of ground water level in core &amp; buffer zone is being carried out four times in a year &amp; water quality analysis is done once in a year by establishing network of existing wells. The reports of groundwater level &amp; quality are submitted to RO, MOEF&amp;CC, SPCB and CPCB on regular basis.</p> <p>Copy of the Work order for Ground water monitoring is attached.</p> <p>(Annex-41, Work order for Ground water)</p> <p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly intervals. Reports attached.</p> <p>(Annex-18, Groundwater monitoring report)</p> <p>In addition to that, a test report for the surface water from MOEF&amp;CC certified laboratory is attached.</p> <p>(Annex-42, Test report of Ground water)</p>
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 MoEF&CC, Regional	<p>Complied.</p> <p>Water quality for upstream and downstream of water bodies i.e. Kahan river passing along the mine with a safe</p>



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	Office.	distance of 250 meter from the mine is carried out once in six months and record of monitoring data is maintained and submitted to MOEF&CC, Regional Office along with six monthly EC compliance status report. A copy of the latest report is attached.  (Annex 42.A, Upstream, downstream report)
vii	Project proponent shall submit six monthly reports on the status of the implementation of the stipulated environment conditions to the Ministry of Environment, Forest and Climate Change and its Regional Office. For half yearly monitoring reports data should be monitored for the period April to September and October to March of the financial years.	Complied. Compliance report on status of implementation of EC conditions is being submitted via email to IRO, MOEF&CC, Nagpur once in Six months for the period April – September & October – March on regular basis:  (Annex-43, Copy of email for submission of EC compliance)
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.	Noted & agree to comply.
K	Miscellaneous	
i	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	Complied.  All efforts are being made to reduce energy and fuel consumption by energy conservation & making improvement in efficiency and use of renewable energy such as:





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		<p>(i) A rooftop solar system of 80 KW has been installed at Nagpur Area HQ office building &amp; residential buildings.</p> <p>(ii) Additionally, a solar power plant of 70 KW is installed at Bhanegaon Singhori Sub Area Manager Office near Singhori OCM.</p> <p>(iii) For improvement in energy efficiency, all light bulbs are replaced by LED bulbs.</p> <p><b>(Annex-44, Solar plant photo)</b></p>
ii	The project authorities shall inform to the Regional Office regarding commencement of the mining operations.	<p><b>Complied.</b></p> <p>PP informed to the IRO, Nagpur with the submission of Six-monthly report regarding commencement of project.</p>
iii	A copy of Environment Clearance letter will be marked to concern Panchayat. A copy of the same shall also be sent to the concerned pollution control board, Regional office, District Industry Centre and Collector's office/ Tehsildar Office for 30 days.	<p><b>Complied.</b></p> <p>A copy of the receiving from Gram Panchayat is attached.</p> <p><b>(Annex-45, Gram panchayat EC receiving)</b></p>
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.	<p><b>Complied.</b></p> <p>The Environmental Clearance letter has been uploaded on the company's website on link:  <a href="http://www.westerncoal.in/index1.php/StaticPage/154">http://www.westerncoal.in/index1.php/StaticPage/154</a>  The half yearly EC compliance report is also uploaded onto the company's website on link:  <a href="http://www.westerncoal.in/index1.php/S">http://www.westerncoal.in/index1.php/S</a></p>





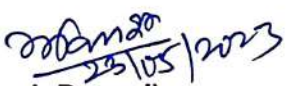
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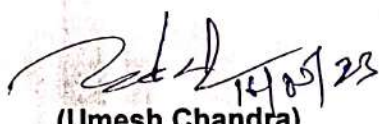
		<p><u>taticPage/154</u></p> <p>(Annex-46, EC compliance uploaded on Company's website)</p>
v	<p>The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance 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 of Environment, Forest and Climate Change at <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a> and a copy of the same should be forwarded to the Regional Office</p>	<p>Complied.</p> <p>Advertisements are published in two Local News Papers:</p> <ol style="list-style-type: none"> <li>1. Times of India (English) dated 25.02.2018.</li> <li>2. Tarun Bharat (Marathi-vernacular language) dated 25.02.2018.</li> </ol> <p>(Annex-47, Newspaper advertisement)</p>
vi	<p>The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP 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 &amp; CC by e-mail.</p>	<p>Complying with.</p> <p>The environmental statement (Form-V) for each financial year is submitted to SPCB on or before 30<sup>th</sup> September. Last Environmental Audit Statement for F.Y 2021-22 was submitted online on MPCB Portal.</p> <p>(Annex-48, MPCB Environment audit online status)</p> <p>A copy of the same along with EC compliance report is submitted to Regional Office, MOEF&amp;CC.</p> <p>(Annex-43, Copy of email for submission of EC compliance)</p>
vii	<p>The Ministry may stipulate any further</p>	<p>Noted and agree to comply with.</p>



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	condition for environmental protection, if so, required in due course of time.	
viii	The above conditions will be enforced inter alia under the provision of the water Act, 1974 and Air Act, 1981, Environment protection act, 1981 and the public liability act, 1991 along with their amendments and their rules and any other order passed by Hon'ble Supreme Court of India /High courts and any other court of law to the subject matter.	Noted and agree to comply with.

  
 (Avinash Prasad)  
 GM (Mining)/ Sub Area Manager,  
 Bhanegaon Singhori Sub Area,  
 Western Coalfields Limited, Nagpur Area

  
 (Umesh Chandra)  
 Dy. GM (Mining)/ Mine Manager,  
 Expansion of Bhanegaon Opencast Mine,  
 Bhanegaon Singhori Sub Area,  
 Western Coalfields Limited, Nagpur Area