

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/106/2009 -IA. II(M) Pt. dated 14.03.2018, 28.03.2019, 09.03.2020 and 09.02.2021 for Expansion of Gondegaon Extension Opencast Coal Mining Project from 2.50 MTPA to 3.50 MTPA located in an area of 791.40 ha in Tehsil-Parsoni, Nagpur District of Maharashtra State under M/s. Western Coalfields Limited, Nagpur Area-reg.

S.N.	Compliance Conditions	Compliance Status
i)	<p>Mitigative measures to be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient number of water sprinklers. Mist type mobile sprayers/ sprinklers shall be deployed for the project.</p>	<p>Complied.</p> <p>The following mitigative measures have been undertaken to control dust and other fugitive emissions all along the roads by providing following air pollution control measures, which are detailed as below:</p> <ul style="list-style-type: none"> • 3 Nos. of mobile tankers of capacity 28 KL with mist arrangement, and 4 No. tankers of capacity 12 KL are deployed for dust suppression on haul roads, coal transportation roads etc. • 10 nos. of mist canon type foggers(having a throwing capacity of 100 m) have also deployed at various locations of the project such as mobile crusher, loading and unloading points of CHP, coal transportation road etc. to achieve for effective dust suppression. • At present, total internal roads of approximate 2.7 km of length have already concretized at project i.e. 1.3 km from CHP to check post and 1.4 km from coal stock no. 4 to CHP at project. Additionally, another road of approximately 7.9 km black topped/tar road from Gondegaon OC project up to NH 44 (Expenditure for amount of Rs. 5.45 Cr) has been completed with a thick bamboo plantation (3-tier avenue plantation) along both sides of the road to mitigate dust pollution in and around the vicinity of project. • 1 no. of mechanical sweeper is in operation. • Till date, 5.33 lacs no. of saplings have been planted in the project area covering an area of approximately 167.60 ha for air pollution

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		<p>pollution control.</p> <ul style="list-style-type: none"> • Total 45,000 nos. plantation done in 18 ha land done in FY 2023-24. • All the trucks carrying coal outside the project are properly covered by tarpaulin before leaving mine lease area. • Coal handling plant (CHPs) in the mine is provided with enclosures, side claddings, mist spray and sprinklers to minimize the air pollution during loading and unloading of the mineral in the CHP. • In addition to above, installation of Comprehensive mist sprinkler system for dust suppression and to control air pollution in crushers, along conveyors belt, transfer points, bunkers of 2 CHPs for an amount of Rs. 57.33 lakhs which is in operation. • One number of truck mounted mist canon system having throw of 50 m is in operation at mine. • Commissioning of CAAQMS at project has been done in March,2022 for regular monitoring of air quality index. • Commissioning of another CAAQMS in the nearby project named Amalgamated Inder Kamptee Deep OCM is in progress and expected to be completed June 2024 for regular monitoring of air quality index. • Mounted metal sheet barricading around the periphery of sand segregation plant in October 2022. Additionally, it is also to inform here that presently the sand segregation plant is not in operation since
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		<p>March 18, 2021 as it is under arbitration at Nagpur High Court and because of that there is no pollution load on part of the sand plant.</p> <ul style="list-style-type: none"> • Tyre/Wheel Wash System is in operation. <p>(Annex-1, Pollution Control Measures with Photographs)</p>
ii)	<p>Regular monitoring of the occupational and other health hazards of all employees including outsourced workers and corrective action shall be ensured. Report in this regard is submitted to Regional Office of the Ministry.</p>	<p>Complied.</p> <p>As per the statute, Monitoring of health condition of employees is a regular activity. In this regard, Initial Medical Examination (IME) is carried out during joining period of every worker. Periodical Medical Examination (PME) is done once in five years for below 45 years age workers and once in three year for 55 years and above aged workers.</p> <p>The status (as on date) monitoring of Health check-up of the employees at Gondegaon OCP are as follows:</p> <p>From the above it may be seen that, the Statutory requirement in respect of the health check-up of the workers (Both departmental and contractual) are being done achieving the target. The same will continue to be carried out during the balance life of the mine.</p> <p>(Annex-2, IME/PME Report)</p>
iii)	<p>Control blasting techniques should be adopted to control ground vibration and fly rocks.</p>	<p>Complied.</p> <p>In Gondegaon OC, controlled blasting with delay detonation as per DGMS guidelines is carried out to control ground vibration and fly rocks and same will be continued during the balance life of the mine.</p> <p>(Annex-3, Undertaking- Controlled)</p>

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		Blasting)
iv)	Persons of nearby villages shall be given training for their livelihood and skill development.	<p>Complied and consented to comply with.</p> <p>At present, persons of the nearby villages/land oustees are regularly trained to make them employable and also to utilize their skill in the company during their initial appointment. Year wise details for the training programme up to 2020 with no of beneficiaries is attached. It is to be mentioned here that due to COVID restriction the training programme was closed in year 2021-22.</p> <p>The details w.r.t. F.Y. 2023-24 is attached.</p> <p>(Annex-4_Skilled Development Training from VTC)</p> <p>Additionally, WCL is having a centralised skill development centre in Nagpur for providing training programs on the livelihood and development of the skills for local populace to make them employable with maintenance of their proper records, as instructed. A copy of the records is attached as a ready reference as Annex- centralised skill development centre</p> <p>(Annex-4.a, Skill Development Details)</p>
iv)	To ensure the health and welfare of nearby villages, regular medical camps shall be organized and report shall be submitted to the Regional Office of the Ministry.	<p>Complied.</p> <p>In WCL, health and welfare programs are conducted on regular basis by Medical Department and the details of Health Camps held in Nagpur Area are attached.</p> <p>(Annex-5, Detail of Medical Camps with Photos).</p>

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<p>v) Wind barrier wall / screen and vertical greenery system, green belt, dust suppression arrangement at railway siding to be installed.</p>	<p>Complied.</p> <p>Coal from the mine is being transported to Railway siding at Dumri which is located at a distance of 10.03 Km from the mine which is a block topped road and having avenue plantation in both sides of road, where 9500 Nos of saplings of native species such as bamboo had planted for arresting the fugitive dust during transportation and Automatic Road Sweeping machine with water jet spraying arrangement has been deployed. Moreover, to control dust at the railway siding, 5000 nos. of saplings has been planted and one no of mobile tanker for water spraying on the road is deployed for dust suppression.</p> <p>Also, installation of Pipe Conveyor system for transport of Coal from four OC mines of WCL including Gondagaon is going to be started by MAHAGENCO by Dec 2024. After commissioning of the same, the transport of coal by road will be almost eliminated as major part of coal will be supplied to two TPSs as per FSA.</p> <p>At present, MAHAGENCO has commissioned the said system from Bhanegaon Opencast Mine for coal transportation through the belt and also from Singhori OCM and as per MAHAGENCO's officials, it is expected that pipe conveyor belt system for transportation of coal from Gondagaon OCM is expected to be completed on or before December 2024. In this regard, it is to inform you here that installation and commissioning of Pipe Conveyor Belt System is totally under the prerogative of the Management of the MAHAGENCO, Nagpur although WCL Management is also in constant touch with MAHAGENCO officials.</p> <p>Some photos showing latest status related to</p>
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		<p>installation and commissioning of pipe conveyer system is attached as Annexure.</p> <p>(Annex-6, Geotagged photos closed pipe conveyer belt system & letter from MAHAGENCO confirming operation from Bhanegaon and Singhori OCM).</p>
vi)	<p>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.</p>	<p>Complied.</p> <p>Existing: In order to check /mitigate dust pollution, Bamboo Plantation / thick green belt has been carried out on either side of the coal transportation road with 9500 nos. of plant saplings. In order to check /mitigate dust pollution, Automatic Road Sweeping machine with water jet spraying arrangement has been deployed.</p> <p>Also, installation of Pipe Conveyor system for transport of Coal from five OC mines of WCL including Gondegaon has been started by MAHAGENCO. After commissioning of the same, the transport of coal by road will be completely eliminated is attached.</p> <p>(Annex-6, Geotagged photos closed pipe conveyer belt system).</p> <p>As advised, in order to reduce the contribution from mining and allied activities at Gondegaon OC towards dust pollution, work has been awarded to MPRVVN to develop additional Green Belt along the mine boundary/ embankment facing Kanhan river. This green belt development is under process, of mixed and native species through state level expert forest agency. The width of the Green Belt will be 30m all along a length of about 2000 m. Although, this width of 30 m will get reduced to 20 m only for 100 m patch near the mine working. Additionally, 45,000 nos. of plantation have been successfully completed</p>

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		<p>for this year 2023-24 in an area of 18 ha.</p> <p>(Annex-7, MOU copy of MPRVVN)</p> <p>The plantation is taken up under revenue budget of the mine with 4 years maintenance after year of plantation.</p> <p>(Annex-8, Plantation photo)</p>
viii	<p>In the view of the mining potential of the area and the prevailing environmental concerns, carrying capacity of riverine eco-system shall be studied through some expert agencies to assess impacts on the environmental components.</p>	<p>Complied.</p> <p>In view of the mining potential of the area and the prevailing environmental concerns, a study related to the carrying capacity of riverine eco system of Kanhan river was carried out for Gondegaon OCM by CMPDI to assess impacts on the environmental components. It was observed that five coal mines named Kamptee Deep OCM, Inder UG to OC, Singhori OCM, Bhanegaon OCM and Gondegaon OCM (WCL) and two thermal power plants (MAHAGENCO) were also existed along Kanhan river basin and it was concluded in the study that the riverine ecosystem in the study area is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development and ecosystem of the area. Copy of Riverine study is attached.</p> <p>(Annex-9, Riverine Study for GOCM)</p>
ix	<p>A mitigation plan based on the study to be submitted to the MOEF&CC Regional Office / SPCB and displayed on company's website.</p>	<p>Not applicable.</p> <p>As it was concluded in the study that the riverine ecosystem in the study area is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development and ecosystem of the area. Copy of Riverine study is attached.</p> <p>Hence, the condition is not applicable.</p> <p>(Annex-9, Riverine Study for GOCM).</p>

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4.1 (a) MINING		
(i)	<p>Mining shall be carried out under strict adherence to the provisions of mines act 1952 and subordinate legislations made there-under as applicable.</p>	<p>Complied.</p> <p>Mining operations are being carried out and continue to be carried out as per provision of Mine Act, 1952 and no deviation is being made during operations. Copy of the permission from DGMS attached.</p> <p>(Annex-10, Undertaking DGMS Permission).</p>
(ii)	<p>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 Ministry of Environment, Forest and Climate Change (MOEF&CC).</p>	<p>Complied.</p> <p>There is no change in mining methodology (OC to UG), calendar programme and scope of work without obtaining prior approval of MOEF&CC.</p> <p>(Annex-11, Undertaking, no change in mining methodology)</p>
(iii)	<p>Mining shall be carried out as per the provisions outlined in approved Mining Plan (including Mine Closure Plan) abiding by Mining laws related to the coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</p>	<p>Complied.</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> <p>(Annex-12, Undertaking DGMS Guidelines).</p>
(iv)	<p>No mining shall be carried out in the forest land without obtaining forestry clearance as per Forest (Conservation) Act, 1980 and also adhering to The Schedule Tribes and other Traditional Forest Dwellers (Recognitions of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.</p>	<p>Not applicable.</p> <p>As there is no forest land involved in the project and no mining will be carried out in the forest land without obtaining forestry clearance as per Forest (Conservation) Act, 1980 and also adhering to the Schedule Tribes and other Traditional Forest Dwellers (Recognitions of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.</p>

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		(Annex-12.A, Undertaking that no forest land involved).
(b)	LAND RECLAMATION AND WATER CONSERVATION	
(i)	Digital survey of the entire lease hold area/core zone using Satellite Remote Sensing Survey shall be carried out regularly in three years for monitoring land use pattern and report in 1:50000 scale shall be submitted to Ministry of Environment, Forest and Climate Change/Regional Office (RO).	<p>Complied.</p> <p>Land use pattern of the mine lease area is being monitored by Central Mine Planning and Design Institute (CMPDI) through time series land use maps based on satellite imagery (IRS R2 L4FX). The latest report has been submitted to Regional Office MOEF&CC & the satellite report has been uploaded on company's website link- http://www.westerncoal.in/index1.php/StaticPage/155.</p> <p>(Annex-13, Satellite Imagery Report)</p>
(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 project proponent. The surface drainage plan and/or 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 in rush of surface water into the mine should be as per approved Mining Plan and permission of DGMS.	<p>Complied.</p> <p>As per the approved Mining Plan/EIA/EMP report, there are no surface water bodies like river/pond/lake in the project area for diversion of natural water courses within the mine lease area as per approved Mining Plan. Further, it is to be mentioned here that, adjacent to the mine in the western direction, Kanhan River flows and the mining activities are being carried out by maintaining safe distance of more than 400 meters from the river.</p> <p>In facts of the above, there is no need to prepare and implement 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. and also eliminates need for diversion of natural water courses with due approval of the concerned State/GOI Authority,</p>

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		<p>(Annex-14, Post Mining land use plan).</p> <p>PP has constructed embankment having dimensions 3150m x 30m x 6m and stabilized with plantation (40,000 nos.) to prevent any danger against in rush of surface water into the mine as per approved Mining Plan and permission of DGMS.</p>
(iii)	<p>Final mine void depth should be preferably as per the approved Mine Closure Plan, and in case it exceeds 40 m adequate engineering intervention shall be provided for sustenance of aquatic life therein. The remaining area should be back filled 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 specifies in the guidelines for Preparations of Mine Closure Plan issued by the Ministry of Coal dated 27-08-2009 and subsequent amendments.</p>	<p>PP has consented with condition as it will be fulfilled with due course of time after mine closing.</p> <p>As per the approved mining plan, mine closure plan and Addendum EIA/EMP, total quarry area is 277.13 ha out of which 79 ha will be backfilled & technically reclaimed & 40 ha will be reclaimed with plantation.</p> <p>A void of 198.13 ha which is proposed to be converted into water body for the benefit of local population and accordingly final mine void depth will be in line with the approved Mine Closure Plan, adequate engineering intervention will be provided for sustenance of aquatic life therein, if required.</p> <p>As advised, the remaining area will be back filled and covered with thick and alive top soil. Post Mining land be rendered usable for agricultural /forestry purposes and will be handed over to the respective State Government as specifies in the guidelines for Preparations of Mine Closure Plan issued by the Ministry of Coal dated 27-08-2009 and subsequent amendments.</p>

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(iv)	<p>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-à-vis the post mining land use pattern shall be submitted to the Ministry of Environment, Forest & Climate Change/ Regional Office on six monthly basis.</p>	<p>PP has consented with condition as it will be fulfilled with due course of time i.e., after mine closing.</p> <p>PP will ensure that all the mining operations are being executed according to the approved mining plan and addendum EIA-EMP and will be continued till life of the mine.</p> <p>(Annex-15, Year wise plantation detail with locations last 3 years are attached.)</p> <p>PP is ensuring submission of the Progressive compliance status report biannually as instructed as far as compliance status w.r.t the post mining land use pattern is concerned, PP will ensure for submission of the compliance status report to the Ministry of Environment, Forest & Climate Change/ Regional Office on six monthly basis with due course of time.</p>
(v)	<p>The top soil shall temporarily be stored at earmarked site(s) only and it shall not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose. Active OB dumps 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 should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change on six monthly basis.</p>	<p>Complied.</p> <p>At present, topsoil and hard soil is stored at earmarked site(s) separately, only and topsoil will be used for land reclamation and plantation purposes during mine closure.</p> <p>As far as stabilization of the OB dump with native grass species, vegetation with native flora species to prevent erosion and surface runoff is concerned, it is to be mentioned here that as per the approved mining plan, EIA-EMP, there are 6 nos. of OB dumps including topsoil dump in the project area.</p> <p>Quantity of Topsoil available as on 31.03.2023 is 2.745 MM³.</p> <p>Topsoil removal in F.Y. 2021-22 is Nil and F.Y. 2022-23 is 1.248 MM³</p> <p>Quantity of topsoil utilized as on 31.03.2022 is</p>

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		<p>Nil and 31.03.2023 is Nil</p> <p>The mining operations are being done according to the approved mining plan and addendum EIA-EMP and will be continued till life of the mine.</p> <p>Since inception of mine, afforestation of 5.33 lakhs no. of saplings comprising of a mixture of native species planted over an area of approx.167.60 ha and same has been reported to Ministry of Environment, Forest & Climate Change on six monthly bases.</p> <p>The excavated area will be backfilled and afforested in line with the approved Mine Closure Plan with due course of time as presently mine is in operation and rehabilitation and resettlement has done. Compliance status shall be submitted to the Ministry of Environment, Forest, and Climate Change/Regional Office Topsoil is stacked separately at an earmarked area and will be used for land reclamation and plantation purposes during closing of mine after backfilling.</p> <p>Regarding monitoring of reclaimed areas, it may be mentioned here that, plantation is done by expert agencies which includes, 5.33 lakhs nos. of saplings are planted in the project area covering an area of 167.60 ha plantation along with 4 years maintenance. Status of reclamation submitted to RO, MOEF&CC along with EC compliance report.</p> <p>Six monthly EC compliance report for the duration 01.04.2023 to 30.09.2023 was timely submitted to the Ministry of Environment, Forest and Climate Change via email.</p> <p>(Annex-16, Copy of the email for</p>
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		submission of six monthly)
c)	Emissions, effluents, and waste disposal.	
(i)	<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/mist sprinkling/rain gun shall be carried out in critical areas prone to air pollution (with higher value of PM₁₀/PM_{2.5}) such as haul road, loading/unloading 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>Complied.</p> <p>Coal from the mine is being transported to Railway siding at Dumri which is located at a distance of 10.03 Km from the mine, where 5000 Nos of saplings of native species such as bamboo had planted in the year 2004-05 at siding. Moreover, to control dust at the railway siding, truck mounted (mobile) mist spray system is in operation along with one no. of mobile water tanker. Additionally, 1 no. of mechanized sweeping machine has also been deployed for cleaning/brooming of the coal transportation road, which is having 3-tier avenue plantation on both side of the road to arrest fugitive emissions.</p> <p>(Annex-1, Pollution control measures with photos)</p> <p>Ongoing: The installation of Pipe Conveyor system for transport of Coal from four OC mines of WCL including Gondegaon has also been started by MAHAGENCO. After commissioning of the same, the transport of coal by road will be almost eliminated.</p> <p>At present, MAHAGENCO has commissioned the said system from Bhanegaon Opencast Mine for coal transportation through the belt and also from Singhori OCM and as per MAHAGENCO's officials, it is expected that pipe conveyor belt system for transportation of coal from Gondegaon OCM is expected to be completed on or before December 2024. In this regard, it is to inform you here that installation and commissioning of Pipe Conveyor Belt System is totally under the prerogative of the</p>

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		<p>Management of the MAHAGENCO, Nagpur although WCL Management is also in constant touch with MAHAGENCO officials.</p> <p>(Annex-6, Geo-tagged photo conveyor system)</p> <p>Environmental Quality parameters are being monitored on fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDI. The Routine environmental monitoring reports are being submitted to Maharashtra pollution control Board along with Six Monthly monitoring reports. The Environmental Monitoring report of period October 2023 to March 2024 is enclosed.</p> <p>(Annex-17, Environment Monitoring Report)</p>
(ii)	<p>Green belt consisting of 3 tier plantations 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.</p>	<p>Complied.</p> <p>Existing:</p> <p>In order to check / mitigate dust pollution, Bamboo Plantation / thick green belt has been carried out on both sides of the coal transportation road with 9500 nos. of plant saplings. In order to check /mitigate dust pollution, Cannon dust suppression system has been deployed. In order to check /mitigate dust pollution, Automatic Road Sweeping machine with water jet spraying arrangement has been deployed. Water sprinkling and mist spray is in operation at Coal Transportation Road.</p> <p>(Annex-1, Pollution Control Measures with Photographs)</p> <p>As advised, in order to reduce the contribution from mining and allied activities at Gondegaon OC towards dust pollution, work has been awarded to MPRVVN to develop additional Green Belt along the mine boundary facing Kanhan river. This green belt development is</p>

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		<p>under process, of mixed and native species through state level expert forest agency. The width of the Green Belt is 30m all along a length of about 2000 m. This width of 30 m will get reduced to 20 m only for 100 m patch near the mine working.</p> <p>(Annex-7, MOU MPRVVN)</p> <p>The plantation is taken up under revenue budget of the mine with 4 years maintenance after year of plantation.</p> <p>(Annex-8, Plantation Photos)</p>
(iii)	<p>The 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 the any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be constructed so the impact of sound, dust and accidents are appropriately mitigated.</p>	<p>Complied.</p> <p>The transportation of the coal is being carried out as per the provisions and route proposed in the approved Mining Plan i.e. coal from the mine is being transported to Railway siding at Dumri which is located at a distance of 10.03 Km from the mine, where 5000 Nos of saplings of native species such as bamboo had planted in the year 2004-05 at siding. Moreover, to control dust at the railway siding, truck mounted (mobile) mist spray system is in operation along with one no of mobile water tanker. Additionally, 1 no. of mechanized sweeping machine has also been deployed for cleaning/brooming of the coal transportation road, which is having 3-tier avenue plantation on both side of the road to arrest fugitive emissions.</p> <p>(Annex-1, Pollution Control Measures with Photographs)</p> <p>Ongoing: The installation of Pipe Conveyor system for transport of Coal from four OC mines of WCL including Gondegaon has also been started by MAHAGENCO. After commissioning of the same, the transport of</p>

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		<p>coal by road will be almost eliminated.</p> <p>At present, MAHAGENCO has commissioned the said system from Bhanegaon Opencast Mine and also from Singhori OCM for coal transportation through the belt and same has and as per MAHAGENCO's officials, it is expected that pipe conveyor belt system for transportation of coal from Gondegaon OCM is expected to be completed on or before December 2024. In this regard, it is to inform you here that installation and commissioning of Pipe Conveyor Belt System is totally under the prerogative of the</p> <p>Management of the MAHAGENCO, Nagpur although WCL Management is also in constant touch with MAHAGENCO officials.</p> <p>(Annex-6, Geotagged photos closed pipe conveyor belt system)</p>
(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 centers.</p>	<p>Complied.</p> <p>To control vehicular emission under control and regularly monitored, it is mandatory for all vehicles engaged in the mining and allied activities having valid PUC certificate from authorized pollution testing centres. Copy of Valid PUC certificate is attached.</p> <p>(Annex-18, Undertaking PUC Certificate)</p>
(v)	<p>Coal stock pile/ crusher /feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors should be fully covered to avoid air borne dust. Side cladding all along the conveyer gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Complied.</p> <p>CHPs are covered with side cladding, enclosures and sprinklers to arrest fugitive air pollution during crushing.</p> <p>A comprehensive mist sprinkler system for dust suppression for strengthening of air pollution control in crushers, along conveyors belt, transfer points, bunkers at CHP is in operation.</p>

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		<p>Photographs of mist sprinkler at Crusher operations, conveyor system, transfer points are attached.</p> <p>(Annex-20, Photos of mist spray system at CHP).</p> <p>Additionally, PP has deployed 10 no. of mist canon system for strengthening of the existing pollution control measures in the project and placed at loading, unloading points and pollution vulnerable points for effective dust suppression arrangement.</p> <p>(Annex-20.A, Commissioning report and Photo of new trolley mounted mist canon system).</p>
(vi)	<p>Coal handing plant shall be operated with effective control measures viz. bag filters /water or mist sprinkling system etc. to check fugitive dust emission from crushing operations, conveyer system, transfer points etc.</p>	<p>Complied.</p> <p>Presently, CHPs in the mine are provided with enclosures, side claddings and fixed sprinklers along with mobile sprinklers to contain air pollution.</p> <p>In addition to above, Installation of Comprehensive mist sprinkler system for dust suppression and to control air pollution in crushers, along conveyors belt, transfer points, bunkers of 2 CHPs has commissioned and in operation since March' 2019.</p> <p>Photographs of mist sprinkler at Crusher operations, conveyor system, transfer points is attached.</p> <p>(Annex-20, Photos of mist spray system at CHP).</p> <p>Additionally, PP has deployed 10 no. of mist canon system for strengthening of the existing pollution control measures in the project.</p> <p>(Annex-20.A, Commissioning report &</p>

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		Photo of new trolley mounted mist canon system)
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.	<p>Complied.</p> <p>No Ground water is being used for mining operations, only mine discharge water after treatment is used for industrial purposes in the mine such as dust suppression by mist canons and firefighting's via fire tender etc.</p> <p>(Annex-21, Undertaking)</p> <p>Rooftop Rainwater harvesting system at Gondegaon Transit hostel building and at dispensary building has been done. Photos attached.</p> <p>(Annex-22, Rainwater Harvesting Photo)</p>
viii)	Catch/garland 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 water bodies. Further, dump material shall be properly consolidated /compacted and accumulation of water over dumps shall be avoided by adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly desilted particularly before on set of monsoon and maintained properly. Sump capacity should also provide adequate retention period to allow proper settling of 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 at the toe of the OB dumps within the mine to check run-off and siltation	<p>Complied.</p> <p>To arrest the flow of silt and sediments, following measure are taken:</p> <p>i) Garland drains around the quarry of size 3100m x 4.75m x 2.25m and 450m x 5m x 1.5m are provided and catch drain of size 1100m x3.5mx1.8m and 400mx3.3mx 2m has been constructed around the OB dumps. 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 and then the supernatant is pumped to surface sedimentation tank with retention period. The treated water from sedimentation tank is used internally for industrial & domestic purposes and excess water is being supplied to thermal power plants and local populace.</p> <p>iii) Embankment of dimensions 3150m x 30m x 6m with plantation (40,000 nos.) is provided. Additionally, embankment of dimensions 1500m x 30m x 6m is proposed for</p>

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	<p>should be based on the rainfall data. The plantation of the native species to be made between toe of the dump and adjacent field/habitation/water bodies.</p>	<p>construction.</p> <p>Also, to maintain the effectiveness of the garland drains and catch drains, desilting is done every year before on set of monsoons. It may be mentioned here that, the desilting work will be continued every year so that it will remain effective. The details of desilting done in last seven years is attached.</p> <p>(Annex-23, Year wise desilting data)</p>
(ix)	<p>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 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 discharged adhering to the norms. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste.</p>	<p>Complied.</p> <p>ETP with oil & grease trap of 100 KLD capacity is in operation for treatment of effluent from workshop and treated water from the ETP is reused for washing of vehicles. Photos of ETP attached.</p> <p>(Annex-24, Geotagged photos of ETP)</p> <p>Further, STP having capacity of 250 KLD has been commissioned for treatment of the domestic sewage of the residential colony in the project. Monitoring report from a MOEF&CC certified agency is attached.</p> <p>(Annex-25, Analysis report of Sewage sample)</p> <p>(Annex-26, STP Work order & photo)</p>
(x)	<p>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.</p>	<p>Complied.</p> <p>Rooftop Rainwater harvesting system at Gondegaon Transit hostel building and at dispensary building has been done. Photos attached.</p> <p>(Annex-22, Rainwater Harvesting Photos)</p> <p>Out of the total quantity of mine pumped out water of 35848 cubic meter per day, within the mine about 5000 cubic meter per day is used for various purposes. The balance quantity is</p>

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		<p>being supplied to the local/ neighboring community for drinking, domestic & irrigation purposes</p> <p>Moreover, WCL has signed an MoU with Maharashtra Govt. to provide 10.76 million M³/year water from the OC mines to Thermal Power Plants and Signed an MoU with VIDC (Vidarbha Irrigation Development Corporation) for providing water 29.17 million M³/year for irrigation purposes from the mines of Nagpur Area of WCL.</p> <p>(Annex-27, MOU copy between WCL & VIDC).</p>
(d)	Illumination, noise & vibration	
(i)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. Report on the same shall be submitted to this ministry and its RO on six monthly bases.	<p>Complied.</p> <p>Adequate illumination in all mine locations is maintained as per DGMS provisions and being monitored regularly. Latest illumination report attached.</p> <p>(Annex-28, Illumination Report).</p>
(ii)	Adequate measures shall be taken for control of noise levels below 85 dBA(A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with personal protective equipment (PPE)like ear plugs/muffs in conformity with prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	<p>Complied.</p> <p>Noise pollution control measures are being implemented. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPEs like Ear plugs/ muffs. Details of the equipment provided in last 3 years is attached.</p> <p>(Annex-29, PPE kit details)</p> <p>Safety programme and training are also conducted regularly for awareness of the users. Safety programme and training details attached.</p> <p>(Annex-30, Details of Safety & Training programme.)</p>

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(iii)	Controlled blasting techniques should be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by DGMS.	Complied. Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. Controlled Blasting Technique as permitted by DGMS is being adopted. (Annex-31, Undertaking for Controlled blasting permission by DGMS).
(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.	Complied. Environmental Quality parameters including Noise level Monitoring are being monitored at four locations on fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDIL (A NABL accredited lab). The Routine environmental monitoring reports are being submitted to Maharashtra Pollution Control Board. (Annex-16, Copy of the email for submission of six monthly) The Environmental Monitoring report has been submitted to office of SRO, MPCB, Nagpur along with the six-monthly reports.
(e) Occupational Health and Safety		
(i)	The Project 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 provisions of the Mines Rules, 1955 and DGMS Circulars. Besides being regular periodic checkup, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for	Complied. As per the Statute, initial Medical Examination (IME) is carried out during joining period of the workers. Periodical Medical Examination (PME) is done once in five years for below 45 years age workers and once in year for 55 years age workers. The status (as on date) regarding monitoring of Health check-up of the employees are attached.

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	occupation disease and hearing impairment, if any.	
(ii)	Personnel (including outsourcing employee) working in dusty areas should wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects	<p>Complied.</p> <p>Personnel (including outsourced personnel) engaged in core zone operations are being provided with PPE like Ear plugs/ muffs. Safety awareness programme & training are conducted regularly for personnel of the project.</p> <p>(Annex-29, Details of PPE kit)</p>
(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>Complied.</p> <p>Skill training as per safety norms specified by DGMS are provided to all workmen including the outsourcing employee on regular basis to ensure high safety standards in mine.</p> <p>(Annex-30, Details of Safety & training programs)</p> <p>Skill development training and conducts Entrepreneurship development programs on regular basis at vocational training centers of WCL.</p> <p>(Annex-4, Skill Development Details)</p>
(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 in the study area. Action plan in this regard if any shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	<p>Complied.</p> <p>As per EIA/EMP Studies, no endangered flora & fauna species are reported and till date no such species are spotted in the project area.</p>

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(g)	Public hearing, R&R and CSR	
(i)	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks and measures as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land outsees should be compensated as per the norms laid out in the R&R Policy of the Company/ State Government/Central Government as applicable.	<p>Complied.</p> <p>Public Hearing conducted for Gondegaon OC for expansion in production capacity from 2.5 MTPA to 3.5 MTPA in a total area of 917 Ha was conducted at time 11:30 AM on date 26.04.2005 at Bachat Sabhagriha Collector ate, Nagpur under the chairmanship of Hon'ble Additional District Collector, Nagpur.</p> <p>The Action Taken report / Status of Compliance against the issues raised in Public Hearing has been submitted to MOEF&CC vide our letter WCL/AGM/Gondegaon/Civil/2018-19/109 dated 20.08.2018.</p> <p>(Annex-32, Action Taken Report on Public Hearing).</p>
(ii)	The project proponent shall ensure the expenditure towards the socio-economic development in and around the mine, in every financial year in pursuance of the Corporate Social Responsibilities as per provisions under section 135 of the Companies Act, 2013.	<p>Complied.</p> <p>Under the CSR Head, the project proponent is ensuring the expenditure towards the socio-economic development in and around the mine, in every financial year.</p> <p>CIL's CSR policy dt. 30/12/2015 has been framed as per companies Act 2013, as per notification issued by Ministry of Corporate Affairs, GoI on 27/02/2014 as well as DPE guideline.</p> <p>As per the policy, fund for CSR should be allocated based on 2% of average net profit of the company for three immediately preceding financial years or Rs. 2.00 per tonne of coal production of previous year whichever is higher.</p> <p>Details of CSR policy, budget expenditure in respect of WCL is available on the company</p>

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		<p>website: http://www.westerncoal.in/index1.php/StaticPage/147</p> <p>The CSR budget need to be spent within the 25 km project boundary. In Nagpur Area, mines are situated in the close vicinity to each other. The CSR command area of one mine intersects CSR command area of the nearby mine. As such CSR Budget is utilized in surrounding areas covering all the mines of Nagpur area. So, there is no deviation from the prevalent norms as well as less expenditure on CSR works. It is further assured that, being a CPSE, the company is committed to CSR expenditure as per the norms.</p> <p>Additionally, Project proponent has successfully displayed the CSR activities along with expenditure statement at company website (link- http://www.westerncoal.in/index1.php/StaticPage/147) since 2010-11 onwards.</p>
(iii)	<p>The project proponent shall follow the mitigation measures provided in this Ministries Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th 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".</p>	<p>Not applicable at present.</p> <p>At present, in mining operation or mine lease area there are no villages comes within mining lease area as one of the villages has already been rehabilitated as per approved mine plan and mitigation measures as per approved EMP will be implemented in nearby areas for controlling of adverse impact on environment due to mining activities. The details of mitigation measure with special reference to the air pollution have already been detailed in the specific conditions.</p> <p>A copy of the mine plan showing mine lease area is attached.</p> <p>(Annex-14, Post Mining land use plan)</p>

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(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, Project Proponent shall implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	Not applicable. No grazing land is involved in the project area.
(h)	Corporate Environment responsibility	
(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 also, the company shall have a defined system of reporting non-compliances/violations of environmental norms to the Board of Directors and/or shareholders /stakeholders.	Complied. The Coal India Limited Corporate Environment Policy, 2023 duly followed WCL is attached. (Annex-33, Coal India Environment Policy).
(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	Complied. There exists a three-tier environment management set up in WCL as detailed below: HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives. Area level - Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of

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		<p>Environment discipline.</p> <p>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 - http://www.westerncoal.in/index1.php/StaticPage/123 attached.</p> <p>(Annex-34, WCL Organizational Chart)</p>
(iii)	<p>A separate environmental management cell both at project and company head quarter 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.</p>	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p>HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p>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 - http://www.westerncoal.in/index1.php/StaticPage/123 attached.</p> <p>(Annex-34, WCL Organizational Chart)</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 not be diverted for other purpose. Year wise progress of implementation of</p>	<p>Complied.</p> <p>For implementation of the EMP's conditions, WCL has established a three-tier environment management set up in the company for ensuring timely action to safeguard compliance, details are as follows:</p> <p>HQ, WCL- The cell is headed by GM (Env)</p>

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	<p>action plan shall be reported to the Ministry/Regional Office along with six monthly compliance report.</p>	<p>reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), & Area Nodal Officer (Environment) of Environment discipline.</p> <p>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 - http://www.westerncoal.in/index1.php/StaticPage/123 attached.</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&CC.</p> <p>(Annex-35, Undertaking) A copy of the last three financial year environmental expenditure as on till 31/03/2024 is attached (Capital and revenue nature).</p> <p>(Annex-36, Expenditure Details).</p> <p>Further, year wise progress of implementation of action plan w.r.t the conditions stipulated in the EC is being reported to the Ministry/Regional Office in the form of EC Compliance status report, twice in a year. Last status was submitted on Nov. 2023 for the period of 01.04.2023 to 30.09.2023.</p>
(v)	<p>Self-environment audit shall be conducted annually. Even three years third party environment audit</p>	<p>Compliance in progress.</p> <p>Self-environment audit / Internal Monitoring of</p>

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	shall be carried out.	<p>EC condition inspection in respect of Gondegaon OC has been carried out by Inter-Area Team of WCL / Wani North Area, WCL on 27.06.2019 to 29.06.2019.</p> <p>The Same kind of inspection has been carried out by Umrer Area on June, 2022 and inspection was not done in the year 2020-21 due to covid restriction. A copy of the observations given by interarea inspection team along with ATR is attached.</p> <p>(Annex-37, Observations with ATR)</p> <p>Additionally, third party audit has been done by NEERI, Nagpur and copy of the report dated Feb 2021 is attached.</p> <p>(Annex-38, Third party audit report)</p>
(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.	PP has consented with the condition.
(ii)	This environmental clearance shall be subject to obtaining wild life clearance, if applicable, from the standing committee of National Board for wild life.	Not applicable for this project. There is no National Parks, Wild life Sanctuaries, Eco-sensitive zones and bio-spheres reserves zones found in 10 KM boundary of the project.
(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.	Complied. Consent to Establish for expansion of Coal Mining activity- 2.5 MTPA to 3.5 MTPA vide UAN no. MPCB-CONSENT-0000041397 and granted from MPCB vide Consent no. BO/CAC/CELL/UAN No.0000041397/R/CAC-

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		<p>1804000354 Dated 07.04.2018. Copy enclosed.</p> <p>(Annex-39, Consent to Establish).</p> <p>Also, Consent to Operate (renewal) for capacity up to 3.5 MTPA including sand segregation plant has been granted Consent order valid up to 31.03.2025.</p> <p>(Annex-40, Consent to Operate).</p>
(iv)	The Project Proponent shall obtain the necessary prior permission from the Central Ground Water Authority.	<p>Complied.</p> <p>No Objection Certificate (NOC) for abstraction of groundwater has been secured from CGWA vide no. CGWA / NOC / MIN / ORIG / 2019 / 6013 with a validity from 09.09.2019 up to 08.09.2021.</p> <p>In this regard, it is submitted that project proponent has applied for renewal of NOC within stipulated time frame whereas CGWA directed to resubmit the application for renewal only after submission of the Impact Assessment Report with Modelling from CGWA accredited consultant for the said project latest by March 2022. The same has been submitted to the CGWA along with revised application within given time frame and after that application has been recommended by Regional Office of CGWB, Nagpur for approval of renewal of NOC and at present, it is in process for issue of the formal NOC (Renewal) by CGWA, New Delhi. A copy of the latest online status downloaded from CGWA web portal is attached for your ready reference.</p> <p>(Annex-40.A, online status for renewal downloaded from CGWA web portal with NOC)</p>
(j)	Monitoring of Project	

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(i)	<p>Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of the pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the station 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 the heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.</p>	<p>Complied.</p> <p>Based on the meteorological data & topographical features, air quality monitoring stations are decided covering core zone & buffer zones namely</p> <ol style="list-style-type: none"> 1. Near substation 2. Ghatrohna Village 3. Gondegaon village 4. Guest House/Colony 5. Security check post /weigh bridge. (Fugitive monitoring station) <p>Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x is being carried out on fortnightly basis and the reports are being submitted to RO, MOEF&CC and SPCB on regularly.</p> <p>Air quality Monitoring reports are attached.</p> <p>(Annex-17, Environment Monitoring Report, Oct-23 to March-24).</p> <p>Additionally, one no of CAAQMS is in operation at said mine.</p> <p>(Annex-41, Geotagged Photo of CAAQMS)</p> <p>Commissioning of another CAAQMS in the nearby project named Amalgamated Inder Kamptee Deep OCM is in progress and expected to be completed June 2024 for regular monitoring of air quality index.</p> <p>Monitoring of the heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months and report attached.</p> <p>(Annex-17.A, Monitoring Report for heavy metals).</p>
(ii)	<p>The ambient air quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standard notified vide under GSR 742 (E) dated 25.09.2000 and</p>	<p>Complied.</p> <p>Environmental Quality parameters including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x are being monitored at four locations on fortnightly basis as per GSR 742 (E) Coal Mine</p>

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	<p>amended from time to time by Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, etc. and other monitoring data shall be regularly reported to the Ministry/ Regional Office and to the CPCB/SPCB.</p>	<p>standards through CMPDI. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr is also been carried out through CMPDI.</p> <p>The Routine environmental monitoring reports including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x & heavy metal monitoring report are being submitted to Maharashtra pollution control Board.</p> <p>The Environmental Monitoring report & Heavy Metal monitoring report incorporated in the six-Monthly Reports, has been submitted vide email along with the six-monthly reports.</p> <p>Latest Air quality Monitoring & Heavy metal Monitoring reports are enclosed.</p> <p>(Annex-17, Environment Monitoring Report, Oct-2023 to March-2024).</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-42, Environment Monitoring data on WCL Website)</p> <p>Monitoring of the heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months and report attached.</p> <p>(Annex-17.A, Monitoring Report for heavy metals).</p>
(iii)	<p>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 Central Pollution Control Board.</p>	<p>Complied.</p> <p>Environmental Quality parameters including Mine discharge & Effluent discharge water quality are being monitored on fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDI. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr is also been carried out through CMPDI</p>

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		<p>The Routine environmental monitoring reports including Mine discharge & Effluent discharge water quality are being submitted to Maharashtra pollution control Board.</p> <p>The Environmental Monitoring report incorporated in the Six-Monthly Reports, has been submitted vide email to MOEF&CC</p> <p>Latest water quality Monitoring reports is attached.</p> <p>(Annex-17, Environment Monitoring Report, Oct-2023 to March-2024).</p> <p>Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153 (Annex-42, Environment Monitoring data on WCL Website).</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/.1A.11(M) dated 25.09.2000 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	<p>Complied.</p> <p>Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153 (Annex-42, Environment Monitoring data on WCL Website)</p>
(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 of ground water level shall be carried four	<p>Complied.</p> <p>The ground water level monitoring is being carried out four times a year and ground water quality analysis is being done one time a year in 25 number of dugwells located in the buffer zone of Gondegaon Extn. OC Expn. Mine. As per the ground water level data, out of these 25 dugwells only 2 number of dugwells that are</p>

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<p>times in a year 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.</p>	<p>B-4 (situated at Waghoda Village), B-13 (situated at Hingna Village) became dry during May'18 and B-23 (situated at Khaperkhera town) became dry during Jan'19. However, during the onset of monsoon period these wells were recharged and regained water levels. Additionally 2 nos. of the piezometer having Digital water Recorder with and without telemetry has been installed and in operation.</p> <p>The said dugwells: B-4, B-13 and B-23 are situated at a considerable distance of about 3.5 km in NNW direction, 5km in NW and 3.5 km in W direction respectively from the mine boundary.</p> <p>However, as per estimation the mining influence on ground water would be up to 1 Km from quarry boundary. Moreover, there is presence of major rivers (Pench and Kanhan) which acts as a barrier and terminates the impact of mine on ground water and these dugwells are located beyond the major rivers (Pench and Kanhan).</p> <p>As such, the above said dugwells may have dried up due to reasons beyond mining activities and only due to excessive draft of ground water for domestic as well as for irrigation purpose. Further due to the occurrence of rainfall below average in last 2-3 years, the wells even in non-mining area have been affected with lowering of water table causing the drying of wells. However, WCL will continue to monitor water level and quality data in the buffer zone of mine area and if there will be water level depletion in the villages near to the mine influence area the project authority will take the suitable measures for making up artificial recharge structure for augmenting the same.</p>
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		<p>Regarding, Quality parameters of Ground water samples of villages, it is submitted that namely the recorded values of Total Hardness, TDS, Calcium, Magnesium and Alkalinity in the village samples are exceeding the desirable limit as per IS 10500: 2012. However, the values are well below the permissible limit value in the absence of alternate source. The values of heavy metals and toxic metals are all below the desirable limit values. As such, the quality is inherent in nature of the area and there is no contribution of opencast mining activities on the said quality parameters of ground water of villages.</p> <p>(Annex-43, Groundwater Monitoring Report)</p> <p>(Annex-44, Geotagged Piezometer Photo).</p>
(vi)	<p>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in 6 months and record of monitoring data shall be maintained and submitted to Ministry of Environment, Forest and Climate Change /Regional Office.</p>	<p>Complied.</p> <p>Kanhan River passes about 400 m away from the project through western direction of the mine. Monitoring of water quality in the upstream and downstream of Kanhan River is being done on six monthly basis.</p> <p>Analysis reports are being submitted to IRO, MOEF&CC and SPCB on regular basis via EC compliance status report</p> <p>(Annex-16, Copy of the email for submission of six monthly)</p> <p>Latest Monitoring reports are enclosed.</p> <p>(Annex-45, Upstream & Downstream Report).</p>
(vii)	<p>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</p>	<p>Complied.</p> <p>Six monthly reports on the status of the implementation of the stipulated environment conditions for the period of April 2023 to October 2023 (half yearly monitoring report</p>

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	<p>Office. For half yearly monitoring reports data should be monitored for the period April to September and October to March of the financial years.</p>	<p>data) has been submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office are submitted timely. A copy of the email confirmation attached. (Annex-16, Copy of the email for submission of six monthly)</p> <p>A copy of six monthly has also been uploaded on company website vide link at link- http://www.westerncoal.in/index1.php/StaticPage/155</p>
viii	<p>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.</p>	<p>PP has consented to condition and agree to extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports, if required.</p>
(k)	<p>Miscellaneous</p>	
(i)	<p>Efforts should be made to reduce energy consumption by conservation, efficiency, improvements and use of renewable energy.</p>	<p>Complied.</p> <p>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:</p> <p>(i) A rooftop solar system of 80 KW has been installed at Nagpur Area HQ office building & 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>(Annex-45.A, Photos of Solar power plant)</p> <p>Details are as below:</p>

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		<ol style="list-style-type: none"> 1) Procurement and deployments of the energy efficient equipments (based upon their star ratings) used in the coal mining operation such as mine pumps utilised for dewatering. 2) Time to time calibrations of the power consuming equipments to make them more energy efficient. 3) Monitor power quality and reliability to improve stability and minimize unplanned downtime. 4) Promoting the benefits of energy efficiency. 5) Energy audits conducted once every few years by external consultants. 6) Switching to LED bulbs in the mass tower.
(ii)	The project authorities shall inform to the Regional Office regarding commencement of the mining operations.	<p>Complied.</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 shall be marked to concern Panchayat. A copy of the same shall 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.	<p>Complied.</p> <p>A copy of the receiving from Gram Panchayat is attached.</p> <p>(Annex- 46, Copy of Gram Panchayat)</p> <p>For a copy of the EC to concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's Office/ Tehsildar Office for kind information in public domain has been uploaded within 30 days. on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154</p>
(iv)	The EC shall be uploaded on the company's website. The compliance	Complied.

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	<p>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>	<p>Copy of EC has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154</p> <p>The compliance status of the stipulated EC conditions also has been uploaded on company website and updated at least once every six months for bringing the same in public domain.</p> <p>A copy of screenshot of the six monthly uploaded at official website / link- http://www.westerncoal.in/index1.php/StaticPage/155</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 www.environmentclearance.nic.in 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 (within 7 days of 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 www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office:</p> <ol style="list-style-type: none"> 1) Loksatta (Marathi) dated 13.02.2021 2) Indian Express (English) dated 13.02.2021 <p>(Annex-46. A, Paper Publication for Advt. of EC letter in respect of GONDEGAON OC)</p> <p>Further, for circulation of a copy of the EC to concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's Office/ Tehsildar Office for kind information in public domain has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPa</p>

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		<u>ge/154</u>
(vi)	<p>The Environmental Statement for each financial year ending 31st 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.</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 is attached. Environment statement for the year 2023-24 will be submitted within given deadline i.e. on or before 30/09/2024.</p> <p>(Annex-47, Evt Statement uploaded in MPCB portal).</p> <p>The audit statement is also uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/265</p> <p>(Annex-48, Evt Statement uploaded in WCL portal).</p> <p>The status report of compliance of EC conditions has been sent to the respective Regional Offices of the MoEF&CC by e-mail in Nov. 2023 for the period of April 2023 to October 2023 including compliance status of the concerns raised during public hearing, please see</p> <p>(Annex-16, Copy of the email for submission of six monthly)</p>
(vii)	<p>The above conditions will be enforced inter alia under the provision of the Water Act, 1974 and Air Act, 1981, Environment Protection Act, 1986 and the Public Liability Insurance Act,1991 along with their amendments and their</p>	<p>Noted and agreed to comply with.</p>

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	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.	
Additional Conditions stipulated in the latest EC granted for Expansion of Gondegaon Extension OC Coal Mine Project vide EC letter no. J-11015/106/2009-IA.II (M) dated 09.03.2020 from MOEF&CC.		
Sr No.	Compliance Conditions	Compliance Status
i	EAC desired that the MoC may direct CIL subsidiaries to comply the EC/FC/CTO conditions strictly within certain time bound manner so that the mining operations will be environmentally sustainable/viable etc.	PP has consented with conditions to comply with.
ii	All the partially complied condition observed by Ministry's Regional Office in certified compliance report dated 20 th December, 2019 shall be completed in 3 years.	Noted and agreed. EC Compliance report has been received from IRO, MOEF&CC, Nagpur vide its letter no. EC - 766 /RON / 2018/ NG/ 6001 dated 20.12.2019. There is no "Non - Compliance" recorded in the said report. There are few partial compliances and as advised all efforts will be taken for improvement of the same and the action taken report on Partial Compliance has been submitted to RO, MOEF&CC, Nagpur vide dated 23.12.2019. (Annex-49, ATR w.r.t. CCR)
iii	Project proponent to plant 1,00,000 nos. of native trees with broad	Complied.

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	<p>leaves along the periphery of the mine to prevent the effect of air pollution in 3 years of the issue of this letter. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer.</p>	<p>Project proponent have planted 1,00,000 nos. of native trees with broad leaves along the periphery of the mine to prevent the effect of air pollution in 3 years of the issue of this letter. The year wise details are as follows: Planted 35,000 nos. in F.Y. 2021-22 and 50,000 nos. in FY 2022-23 and also 45,000 nos. in FY 2023-24. A copy of the joint inspection done by WCL and Madhya Pradesh Rajya Van Vikas Nigam Ltd is attached herewith for your ready reference as Annex-.</p> <p>Further, it is submitted that subject plantation is under agreement for maintenance of upcoming four years and under custody of MPRVVN to ensure 80% survival rate of the plantation and then after number of trees will be duly endorsed from District Forest Officer, as advised.</p>
<p>iv</p>	<p>PP shall ensure no pollution to Kanhan river and accordingly minimum distance of 150 m all along the bank of river shall be maintained.</p>	<p>Complied.</p> <p>Adjacent to the mine in the western direction, Kanhan River flows. The mining activities are being carried out by maintaining safe distance of more than 400 meters from the river. Also, PP will ensure no pollution to Kanhan river due to mining activity.</p> <p>(Annex-14, Post mining land use plan).</p> <p>To avoid danger of surface water rush in to mine, embankment dimensions 3150m x 30m x 6m with plantation (40,000 nos.) is provided as per approved Mining Plan and permission of DGMS.</p> <p>Further, to reduce the contribution from mining and allied activities at Gondegaon OC towards dust pollution, work has been awarded to MPRVVN to develop additional Green Belt along the mine boundary facing Kanhan river. This</p>

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		<p>green belt development is under process, of mixed and native species through state level expert forest agency. The width of the Green Belt will be 30m all along a length of about 2000 m. This width of 30 m will get reduced to 20 m only for 100 m patch near the mine working.</p> <p>As Kanhan river is at a distance of around 1.0 km from mine boundary of project ensuring the minimum distance of around 150m all along the boundary.</p>
V	All the recommendation of carrying capacity of riverine ecosystem being conducted by NEERI shall be implemented in time bound manner.	<p>Complied.</p> <p>In view of the mining potential of the area and the prevailing environmental concerns, a study related to the carrying capacity of riverine ecosystem of Kanhan river was carried out for Gondagaon OCM by CMPDI to assess impacts on the environmental components. It was observed that five coal mines named Kamptee Deep OCM, Inder UG to OC, Singhori OCM, Bhanegaon OCM and Gondagaon OCM (WCL) and two thermal power plants (MAHAGENCO) were also existed along Kanhan river basin and it was concluded in the study that the riverine ecosystem in the study area is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development and ecosystem of the area. Copy of Riverine study is attached.</p> <p>(Annex-9, Riverine study of GOCM)</p>
vi	The Project Proponent shall comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause	Noted and PP is consented with the condition.

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	<p>versus Union of India and Ors. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p>	
vii	<p>Project Proponent shall obtain necessary prior permission from the Central Ground Water Authority (CGWA) in case of intersecting the Ground water table. The intersecting ground water table can only be commence after conducting detailed hydrogeological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.</p>	<p>Complied.</p> <p>No Ground water is being used for mining operations, only mine discharge water after treatment is used for industrial & domestic purposes.</p> <p>No Objection Certificate (NOC) for abstraction of groundwater has been secured from CGWA vide no. CGWA / NOC / MIN / ORIG / 2019 / 6013 with a validity from 09.09.2019 up to 08.09.2021.</p> <p>In this regard, it is submitted that project proponent has applied for renewal of NOC within stipulated time frame whereas CGWA directed to resubmit the application for renewal only after submission of the Impact Assessment Report with Modelling from CGWA accredited consultant for the said project latest by March 2022. The same has been submitted to the CGWA along with revised application within given time frame and after that application has been recommended by Regional Office of CGWB, Nagpur for approval of renewal of NOC and at present, it is in process for issue of the formal NOC (Renewal) by CGWA, New Delhi. A copy of the latest online status downloaded from CGWA web portal is attached for your ready reference.</p> <p>(Annex-40.A, Online status for renewal</p>

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		downloaded from CGWA web portal with NOC)
Viii	<p>Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snakevenom including all other paramedical safeguards may be ensured before initiating the mining activities.</p>	<p>Complied.</p> <p>As, regular and periodical medical examination is carried out at Area hospitals, which are well equipped with necessary infrastructure viz. Spirometer, Audiometry facilities along with the facilities for X-Ray & laboratory facilities for bio-chemical tests and qualified medical personnel are available.</p> <p>As per the Statute, initial Medical Examination (IME) is carried out during joining period of the workers. Periodical Medical Examination (PME) is done once in five years for below 45 years age workers and once in year for 55 years age workers and reports of medical examination carried out at Area Hospitals are submitted to DGMS on regular basis and are well maintained.</p> <p>The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards are ensured before initiating the mining activities.</p> <p>The status (as on date) Monitoring of Health check-up of the employees.</p> <p>(Annex-2, IME/PME report)</p>
Ix	<p>Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th 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</p>	<p>Not applicable at present.</p> <p>At present in mining operation or mine lease area there are no villages that come within mining lease area as one village has already been rehabilitated as per approved mine plan and mitigation measures as per approved EMP will be implemented in nearby areas for controlling of adverse impact on environment due to mining activities. The details of</p>

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	<p>areas or Habitations and villages are surrounded by the mine lease area.</p>	<p>mitigation measures with special reference to the air pollution have already been detailed in the specific conditions.</p> <p>(Annex-49.B, Rehabilitation and resettlement details)</p> <p>A copy of the mine plan showing mine lease area is attached.</p> <p>(Annex-14, Post Mining land use plan).</p>
x	<p>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.</p>	<p>Complied.</p> <p>In this regard, it is ensured by PP that any mining related activity viz. illumination and sound must not disturb the nearby villages in respect of human and animal population. Controlled blasting techniques with use of delay detonators are practiced during day time. Controlled Blasting Technique is being adopted as permitted by DGMS.</p> <p>(Annex-50.A, Latest blasting report).</p> <p>Also, Noise level monitoring is carried out regularly on fortnightly basis at 4 different locations covering core & buffer zones and the reports are submitted to RO, MOEF&CC on regular basis. The reports from Oct 2023 to March 2024 is attached.</p> <p>(Annex-50, CMPDI Noise monitoring report).</p>
Xi	<p>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. A copy of action plan</p>	<p>Complied.</p> <p>As per EIA/EMP Studies, no endangered flora & fauna species are reported and till date no such species are spotted in the project area.</p>

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	shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.	
Xii	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8 th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the Ministry.	<p>Noted to comply.</p> <p>As per the approved mining plan and EIA/EMP report, active OB dumps will be stabilized at the closure of the mine and the excavated area will be backfilled and afforest rated in line with the approved Mine Closure Plan. As per the stage wise reclamation plan & mine closure plan, by the end of mine life, technical reclamation & biological reclamation will be carried out to restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Implementation report of the same will be included in the final mine closure claim of the project and will be submitted accordingly.</p> <p>The Green Belt development is in progress and photos are attached.</p> <p>(Annex-15, Year wise plantation detail with locations)</p>
Xiii	Existing Study may be extended by NEERI to understand long-term effects by these projects along the Kanhan river basin and recommendation of the study shall be strictly complied within certain timeframe.	<p>Agree to Comply</p> <p>In view of the mining potential of the area and the prevailing environmental concerns, a study related to the carrying capacity of riverine eco system of Kanhan river was carried out for Gondagaon OCM by CMPDI to assess impacts on the environmental components. It was observed that five coal mines named Kamptee Deep OCM, Inder UG to OC, Singhori OCM, Bhanegaon OCM and Gondagaon OCM (WCL) and two thermal power plants (MAHAGENCO) were also existed along Kanhan river basin and it was concluded in the study that the riverine</p>

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		ecosystem in the study area is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development and ecosystem of the area. Copy of Riverine study is attached. (Annex-9, Riverine Study for GOCM)
Xiv	PP shall plant 25000 number of trees at Ghatrohna location and create a mechanism for mitigating air pollution parameters.	Compliance is in progress. As advised, to reduce the contribution from mining and allied activities at Gondegaon OC towards dust pollution, 25,000 nos. of saplings near to the Ghatrohna location has been planted by MPRVVN in September 2023. (Annex-50.B, Site handover letter & Photos)
Xv	Necessary mitigation measures shall be taken for maintaining ground water quality. Further, Rain Water Harvesting system should be installed and regular supply of water shall be provided to villagers.	Complied. Necessary mitigation measures are being regularly taken up by the project proponent for maintaining ground water quality. Further, a Work order for installation of Rooftop Rainwater harvesting system at Gondegaon Transit hostel building and dispensary has been awarded vide ref no. WCL/GM/NGP/C6/1468 dated 19.03.2018 and work has been completed. Additionally, RO Plant has been installed for supply of drinking water - 100 cubic meter per day. ii) Installation of Pressure Filter Plant for drinking water - 630 cubic meter per day are under consideration Moreover, WCL has signed an MoU with Maharashtra Govt. to provide 10.76 Million M ³ /year water from the OC mines to Thermal Power Plants and Signed an MoU with VIDC (Vidarbha Irrigation Development Corporation) for providing water 28.16 Million M ³ /year for

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		<p>Irrigation purposes to the nearby villages of project.</p> <p>(Annex-27, MOU copy between WCL & VIDC)</p> <p>Mine discharge & Effluent discharge water quality is monitored on fortnightly basis and the reports are submitted to RO, MOEF&CC and SPCB regularly.</p> <p>(Annex-51, Third party analysis report)</p>
<p>Additional Conditions stipulated in the latest EC granted for Expansion of Gondegaon Extension OC Coal Mine Project vide EC letter no. J-11015/106/2009 - IA.II(M) dated 09.02.2021 from MOEF&CC, New Delhi.</p>		
Sr no	Conditions	Status
i)	<p>PP shall install permanent 10 nos. of fog cannon for reducing dust emission in sand segregation plan, haul road, OB dump area during unloading</p>	<p>Complied.</p> <p>In compliance of the same, PP has procured, installed & commissioned 10 nos. of fog cannon having throw of 100 m for reducing dust emission in sand segregation plan, haul road, OB dump area.</p> <p>(Annex-51.A, Supply order of mist canon along with commissioning report and photos are attached)</p>
ii)	<p>PP shall construct at least 10 mts height metal sheet barricading along the periphery of sand segregation plant.</p>	<p>Complied.</p> <p>PP has mounted metal sheet barricading around the periphery of sand segregation plant in October 2022. Additionally, it is also to inform you here that presently the sand segregation plant is not in operation since March 18, 2021 as it is under arbitration at Nagpur High Court and because of that there</p>

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		<p>is no pollution load on part of the sand plant.</p> <p>(Annex-52, Metal Sheet barricading photos)</p>
<p>iii)</p>	<p>All mitigation measures for air pollution shall be implemented as submitted during appraisal.</p>	<p>The following mitigative measures have been undertaken to control dust and other fugitive emissions all along the roads by providing following air pollution control measures, which are detailed as below:</p> <ul style="list-style-type: none"> • 3 Nos. of mobile tankers of capacity 28 KL with mist arrangement, and 2 No. tankers of capacity 12 KL are deployed for dust suppression on haul roads, coal transportation roads etc. • 10 nos. of mist canon type foggers (having a throwing capacity of 100 m) have also deployed at various locations of the project such as mobile crusher, loading and unloading points of CHP, coal transportation road etc. to achieve for effective dust suppression. • At present, total internal roads of approximate 2.7 km of length have already concretized at project i.e. 1.3 km from CHP to check post and 1.4 km from coal stock no. 4 to CHP at project. Additionally, another road of approximately 7.9 km black topped/tar road from Gondegaon OC project up to NH 44 (Expenditure for amount of Rs. 5.45 Cr) has been completed with a thick bamboo plantation (3-tier avenue plantation) along both sides of the road to mitigate dust pollution in and around the vicinity of project. • 1 no. of mechanical sweeper is in operation.

Point wise Compliance status report for Environment Clearance regarding Expansion of Gondegaon Extension Opencast Coal Mining Project from 2.50 MTPA to 3.50 MTPA M/s. Western Coalfields Limited in an area of 791.40 ha in Tehsil - Parseoni, District- Nagpur (Maharashtra) State.

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/106/2009 -IA. II(M) Pt. dated 14.03.2018, 28.03.2019, 09.03.2020 and 09.02.2021 for Expansion of Gondagaon Extension Opencast Coal Mining Project from 2.50 MTPA to 3.50 MTPA located in an area of 791.40 ha in Tehsil-Parseoni, Nagpur District of Maharashtra State under M/s. Western Coalfields Limited, Nagpur Area-reg.

		<ul style="list-style-type: none"> • Till date, 5.33 lacs no. of saplings have been planted in the project area covering an area of approximately 167.60 ha for air pollution control. • Total 45,000 nos. plantation done in 18 ha land done in FY 2023-24. • All the trucks carrying coal outside the project are properly covered by tarpaulin before leaving mine lease area. • Coal handling plant (CHPs) in the mine is provided with enclosures, side claddings, mist spray and sprinklers to minimize the air pollution during loading and unloading of the mineral in the CHP. • In addition to above, installation of Comprehensive mist sprinkler system for dust suppression and to control air pollution in crushers, along conveyors belt, transfer points, bunkers of 2 CHPs for an amount of Rs. 57.33 lakhs which is in operation. • One number of truck mounted mist canon system having throw of 50 m is in operation at mine. • Commissioning of CAAQMS at project has been done in March,2022 for regular monitoring of air quality index. • Commissioning of another CAAQMS in the nearby project named Amalgamated Inder Kamptee Deep OCM is in progress and expected to be completed June 2024 for regular monitoring of air quality index. • Mounted metal sheet barricading around the
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		<p>periphery of sand segregation plant in October 2022. Additionally, it is also to inform here that presently the sand segregation plant is not in operation since March 18, 2021 as it is under arbitration at Nagpur High Court and because of that there is no pollution load on part of the sand plant.</p> <ul style="list-style-type: none"> • Tyre/Wheel Wash System is in operation. <p>(Annex-1, Pollution Control Measures with Photographs)</p>
iv)	<p>Coal transportation shall be shifted from road – rail to Pipe Conveyor system at the end of 2023 and no coal will be transported by road transportation.</p>	<p>Compliance is in progress.</p> <p>At present, MAHAGENCO has commissioned the said system from Bhanegaon Opencast Mine and Singhori OCM for coal transportation through the belt and as per MAHAGENCO's officials, it is expected that pipe conveyor belt system for transportation of coal from Gondegaon OCM is expected to be completed on or before December 2024. In this regard, it is to inform you here that installation and commissioning of Pipe Conveyor Belt System is totally under the prerogative of the Management of the MAHAGENCO, Nagpur although WCL Management is also in constant touch with MAHAGENCO officials. Some photos showing latest status related to installation and commissioning of pipe conveyer system is attached.</p> <p>(Annex-6, Geotagged photos closed pipe conveyor belt system).</p>
v)	<p>PP shall do tree plantation on reclaimed OB land.</p>	<p>Noted and agreed.</p> <p>Total 30,000 nos. of plantation already have been carried out in reclaimed OB dump in the</p>

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		<p>FY 2016-17 by MPRVVN and additionally 50,000 nos. planted in FY. 2022-23. Same may be carried out for the other OB Dumps also after the fully stabilization of the same.</p> <p>(Annex-15, Year wise plantation detail with locations)</p>
vi)	<p>The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.</p>	<p>Noted and agreed.</p>

Submitted for kind information and consideration, please.

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26/5/2024

(Amit Chaturvedi)

(Handwritten signature)
**Project Manager/Mine Manager,
Expansion of Gondegaon OCM,
Gondegaon Sub Area,
Western Coalfield Limited, Nagpur Area**

(Handwritten signature)
26/5/2024

**(Ram Bhuwan Verma)
Estate Officer/Dy. General Manager (Min),
Sub Area Manager, Gondegaon Sub Area,
Western Coalfield Limited, Nagpur Area**