

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

A monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under:

S. N	Condition as per EC dated 22.08.19	Compliance Status
4.	Specific Compliance	
i)	The project Proponent shall obtain Consent to Establish from the State Pollution Control Board for the proposed Peak capacity of 1.12 MTPA prior to commencement of the increased production.	<p>Complied.</p> <p>Direct Consent to Operate granted vide consent order no.CR-2112001542 dated 27.12.2021 and valid upto 31.03.2023 for 1.12 MTPA from MPCB considering the Consent to Establish application in the CAC meeting dated 12.03.2020.</p> <p>(Annex-1, CTO dated 27.12.2021)</p>
ii)	Transportation of coal from face to Coal heap to Coal Handling Plant shall be carried out through covered trucks.	<p>Complied.</p> <p>Transportation of coal from face to Coal heap is carried out by trucks and coal transportation is done through tarpaulin covered trucks.</p> <p>(Annex-2_Geotagged Photo Tarpaulin Covered Trucks)</p>
iii)	To control the production of dust at source, the crusher and in-pit belt conveyor shall be provided with mist type sprinklers.	<p>Complied.</p> <p>The mine has started its operation in F.Y 2017-18 and mobile crushers has been provided with dust control arrangement for crushing of coal. The details air pollution control measures are as follows:</p> <ol style="list-style-type: none"> 1. 18 nos. of rain guns installed at coal stock 2. 3 nos. of mist canon deployed at mobile crushers (2) and at coal stock yard (1). 3. Such as fixed sprinklers and mist canon system. 4. Three nos. (3) of the mobile water

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		<p>tanker having a capacity of 12 kl, 12 kl and 06 kl are deployed for water spraying are in operation.</p> <p>Also, closed pipe conveyor belt system from CHP to nearest two nos. of Thermal Power Plants named Khaperkheda and Koradi of MAHAGENCO has already been commissioned mid of year 2023 for transportation of coal from mine pit to TPSs.</p> <p>(Annex-3_Existing PCM)</p>
<p>iv)</p>	<p>Mitigating measures shall be undertaken to control dust another fugitive emission all along the road by providing sufficient water sprinklers. Adequate corrective measures shall be undertaken to control dust emission, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at railway siding, etc.</p>	<p>Complied.</p> <p>Adequate mitigation measures have been put in place at various dust generating sources to control dust and other fugitive emissions. Existing measures will be appropriately augmented/strengthened.</p> <p>The details air pollution control measures are as follows:</p> <ol style="list-style-type: none"> 1. 18 nos. of rain guns installed at coal stock 2. 3 nos. of mist canon deployed at mobile crushers (2) and at coal stock yard (1). 3. Three nos. (3) of the mobile water tanker having a capacity of 28 kl, 12 kl and 06 kl are deployed for water spraying are in operation. 4. 86,500 nos. of saplings planted within the ML area covering an area of 36.6 ha. 5. Closed pipe conveyor belt system from CHP to nearest two nos. of Thermal Power Plants named Khaperkheda and Koradi TPSs of MAHAGENCO has already been commissioned mid of year 2023 for transportation of coal from mine pit to TPSs <p>(Annex-3_Existing and Proposed PCM).</p>



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<p>v)</p>	<p>The company shall obtain approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 1.12 MTPA.</p>	<p>Complied.</p> <p>No Objection Certificate (NOC) for ground water abstraction has been obtained from Central Ground Water Authority, (CGWA), New Delhi vide NOC no CGWA/NOC/MIN/ORIG/2019/6526 dated 25.10.2019 and valid up to 24.10.2021. The same has been applied for first renewal through online portal of CGWA, which is under consideration at link - https://www.cgwa-noc.gov.in/ExternalUser/ApplicantHome.aspx</p> <p>Link is reproduced as below:</p> <p>https://cgwa-noc.gov.in/ExternalLogin.aspx?ReturnUrl=%2fExtzernalUser%2fApplicantHome.aspx</p> <p>Reason for delay in approval of NOC as below:</p> <p>The existing NOC was applied for renewal on 22.10.2021 and the same was rejected and directed by CGWA that impact assessment report with modelling is mandatory for further processing of the application.</p> <p>Accordingly, the work was awarded to the CGWA accredited consultant and the said report along with fresh application was resubmitted to the CGWA on dated 30.09.2022 and the application has been approved by CGWB and is in processing stage for issue of the formal letter. A copy of the latest online status is attached for your ready reference.</p> <p>(Annex-4_Latest online status of</p>
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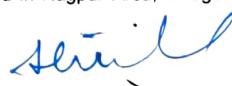
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		NOC)
vi)	<p>Continuous monitoring of occupational safety and other health hazards and the corrective actions need to be ensured.</p>	<p>Complied.</p> <p>As, regular and periodical medical examination is carried out with the purpose of detecting occupation diseases and hearing, impairment in the 2 nos. of 50 bedded each hospital with qualified doctors catering to the medical need of the employees and local populace, which are well equipped with necessary infrastructure viz.</p> <ul style="list-style-type: none"> • Qualified Doctors • Qualified lab technician • Spirometer instrument, • Audiometry facilities • ECG machine • facilities for X-Ray • Laboratory facilities for bio-chemical tests and qualified medical personnel are available. <p>The prevention measures / medicine for burned, malaria and provision of anti-snake venom are ensured.</p> <p>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. PME is done with the purpose of detecting and keeping records of diseases with specific importance of coal works new such as pneumoconiosis. This is covered under statute.</p> <p>During PME the candidates are subjected to complete clinical</p>



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		<p>examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.</p> <p>(Annex-5_IME/PME Report)</p>
vii)	<p>Persons of nearby villages shall be given training on livelihood and skill development to make them employable.</p>	<p>Complied and consented to comply.</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-6_Skilled Development Training)</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.</p> <p>(Annex-66_Centralised skill development centre)</p>
viii)	<p>To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.</p>	<p>Complied.</p> <p>Regular medical camps are conducted at Walni and J N Hospital of WCL, Nagpur Area for all nearby villages in and around the mine. The total bedding</p>



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		<p>capacity of both hospitals is 100 nos.</p> <p>Camp covered-Blood donation camp, Cardiac Evaluation camp, tobacco, cancer detection oral cancer detection camp, cancer screening camp, diabetic screening camp, lipid profile etc.</p> <p>Year wise total camp (CSR and Welfare) are as below.</p> <table border="1" data-bbox="786 611 1315 1098"> <thead> <tr> <th>F.Y.</th> <th>Total no. of camp</th> <th>Total no of beneficiaries</th> <th>Health camps</th> </tr> </thead> <tbody> <tr> <td>18-19</td> <td>12</td> <td>1886</td> <td rowspan="5">Diagnostic camps, health awareness camp/ specific health camps (HIV/AIDS, eye diabetes cancer etc.), mobile health camps</td> </tr> <tr> <td>19-20</td> <td>02</td> <td>207</td> </tr> <tr> <td>20-21</td> <td>06</td> <td>509</td> </tr> <tr> <td>21-22</td> <td>07</td> <td>486</td> </tr> <tr> <td>22-23</td> <td>06</td> <td>392</td> </tr> </tbody> </table> <p>Year wise detail with photos is attached. (Annex-7_Year wise total camp (CSR and welfare) Photos)</p>	F.Y.	Total no. of camp	Total no of beneficiaries	Health camps	18-19	12	1886	Diagnostic camps, health awareness camp/ specific health camps (HIV/AIDS, eye diabetes cancer etc.), mobile health camps	19-20	02	207	20-21	06	509	21-22	07	486	22-23	06	392
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ix)	<p>Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check the dust pollution.</p>	<p>Complied.</p> <table border="1" data-bbox="786 1377 1315 1797"> <thead> <tr> <th>Year</th> <th>No. of saplings planted</th> <th>Location</th> <th>Species planted</th> </tr> </thead> <tbody> <tr> <td>18-19</td> <td>25000</td> <td>Plain land near Singhori& Dorli village</td> <td rowspan="3">Mix of medicinal, fruiting, ornamental tick</td> </tr> <tr> <td>19-20</td> <td>15000</td> <td>Plain land</td> </tr> <tr> <td>20-21</td> <td>1500</td> <td>Plain land</td> </tr> </tbody> </table>	Year	No. of saplings planted	Location	Species planted	18-19	25000	Plain land near Singhori& Dorli village	Mix of medicinal, fruiting, ornamental tick	19-20	15000	Plain land	20-21	1500	Plain land						
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		21-22	45000	near mine boundary Plain land and embankment, coal transportation road	
x)	<p>Effort shall be made for utilizing alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.</p>	<p>Complied.</p> <p>At present project water requirement is fulfilled by the mine discharge water only.</p> <p>For gainful utilization of the mine water discharge, all the internal requirement of the project is fulfilled by the uses of the discharged mine water only such as dust suppression, firefighting, and plantation, etc.</p>			
xi)	<p>A third-party assessment of EC compliance shall be undertaken once in three years through agency like ICFRI/NEER/IIT or any other expert agency identified by the Ministry.</p>	<p>Complied.</p> <p>Third party EC compliance has been done by National Environmental Engineering Research Institute (NEERI), Nagpur during their field visit on dated 17.01.2023. A copy of the work order</p>			



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		and action taken report vide letter no. 156 dated 14/15.04.2023 in respect of the observations given by NEERI, Nagpur is attached. (Annex-8.A_Work Order and ATR)
4.1	Statutory Compliance	Compliance Status
(a)		
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Complied. Project Proponent has obtained Forest Clearance (FC) from MOEF&CC, Nagpur vide letter no F.No-MHC 026/2014-BHO/2887 dated 20.11.2017 (stage-I) and F.No 6-MHC 026/2014-BHO/3996 dated 31.07.2018 (stage-II) in favor of M/s. Western Coalfields Limited for diversion of 14.23 ha of Zupdi Jungle under Forest (Conservation) Act,1980. (Annex-31_Forest clearance)
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable for this project. There is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 km boundary of the project. (Annex-67_Declaration)
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan /Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in	Not applicable for this project. There is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 km boundary of the project. (Annex-67_Declaration)

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	case of the presence of schedule-I species in the study area).	
(iv)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention &Control of Pollution) Act, 1981, and the Water (Prevention & Control of Pollution) Act, 1974, from the concerned State pollution Control Board /Committee.	<p>Complied.</p> <p>The project proponent has obtained Consent to Establish and Operate under the provisions of Air (Prevention &Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution control Board/Committee. A copy of the mentioned documents are attached.</p> <p>(Annex-52, New CTE 01.03.2023) (Annex- 52.A, CTO 17.03.2023)</p>
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	<p>Complied.</p> <p>No Objection Certificate (NOC) for ground water abstraction has been obtained from Central Ground Water Authority, (CGWA), New Delhi vide NOC no CGWA/NOC/MIN/ORIG/2019/6526 dated 25.10.2019 and valid up to 24.10.2021. The same has been applied for renewal through online portal of CGWA and is under consideration.</p> <p>(Annex-9_NOC CGWA).</p> <p>Link is reproduced as below:</p> <p>https://cgwa-noc.gov.in/ExternalLogin.aspx?ReturnUrl=%2fExternalUser%2fApplicantHome.aspx</p> <p>Reason for delay in approval of NOC as below: The existing NOC was applied for renewal on 22.10.2021 and the same was rejected and directed by CGWA that impact assessment report with modelling is mandatory for further processing of the application.</p>

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		<p>Accordingly, the work was awarded to the CGWA accredited consultant and the said report along with fresh application was resubmitted to the CGWA on dated 30.09.2022 and the application has been approved by CGWB and is in processing stage for issue of the formal letter. A copy of the latest online status is attached for your ready reference.</p> <p>(Annex-4_Latest online status of NOC)</p>
(vi)	<p>Solid /hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016.</p>	<p>Not applicable.</p> <p>In the opencast coal mine project, overburden excavated during mining of coal is considered as a solid waste which is non-hazardous in nature and stacked at the earmarked sites of the approved mine plan including mine closure plan.</p>
(b)	<p>Air quality monitoring and preservation</p>	
(i)	<p>Continuous ambient air quality monitoring stations as prescribed in the status be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂, NO₂, NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such</p>	<p>Complied.</p> <p>Installation of Continuous ambient air quality monitoring stations has been completed & working properly. Commissioning of one more CAAQMS is also likely to be completed latest by June 15, 2024 as CAAQMS machines have been delivered by the supplier and under installation. A copy of the supply order dated 14/02/2024 along with Geotagged photos of delivered CAAQMSs are attached.</p> <p>(Annex-10, CAAQMS work order) (Annex-10.A, Geotagged photos)</p> <p>Additionally, four ambient air quality monitoring station covering core as well as buffer zone are established as</p>

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	<p>as Hq, As, Ni, Cd, Cr, etc. to be carried out at least once in six months.</p>	<p>follows:</p> <ul style="list-style-type: none"> • NSOA-1-Manager Office-Singhori OC • NSOA-2- Sohali Village • NSOA-3_Hingana Village • NSOA-4-Dorli Village <p>The stations have been fixed considering the meteorological data, topographical features etc. The monitoring is carried out with due prior intimation to MPCB.</p> <p>Monitoring data is being submitted to MOEF&CC & MPCB regularly. The monitoring results for period of 01.10.2023 to 31.03.2024 attached.</p> <p>(Annex-11, Environment monitoring report).</p> <p>Moreover, monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months. Latest report of heavy metal monitoring is also attached.</p> <p>(Annex-12, Heavy metal report).</p>
(ii)	<p>The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25thSeptember 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hq. As, Ni, Cd, Cr, and other monitoring data shall be regularly reported to the Ministry / Regional Office and to the CPCB/SPCB.</p>	<p>Complied.</p> <p>Ambient air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO parameters are being carried out on fortnightly basis as per GSR 742(E) 2000 and monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months and the reports are being submitted to RO, MOEF&CC and SPCB regularly.</p> <p>(Annex-12_Heavy Metal Report)</p> <p>(Annex-13_Air Monitoring Report)</p>
(iii)	<p>Transportation of coal, to the extent permitted by road, shall</p>	<p>Complied.</p>



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<p>be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution (with higher values of PM₁₀/PM_{2.5}) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central /State Pollution Control Board.</p>	<p>At present, the coal is transported to the nearest Thermal Power Plants named TPS Koradi and TPS Khapadkheda via black topped road (BT) and all the coal carrying trucks are properly covered by tarpaulin to reduce fugitive dust emission.</p> <p>(Annex-2_Geotagged photo tarpaulin covered trucks and closed pipe conveyor belt system)</p> <p>Further to eliminate the air pollution due to coal transportation by road, installation of pipe conveyor has been proposed for transportation of coal from mine to thermal power plants. The following air pollution control measures are in place to mitigate air pollution due to mining activities; coal transportation and allied activities are placed below:</p> <ul style="list-style-type: none"> • 18 nos. of Fixed Water Sprinklers have been installed and are in operation near to coal stock yard to the weigh bridge to suppress the fugitive dust. • 3 nos. of mist canon deployed at mobile crushers (2) and at coal stock yard (1). • Three nos. (3) of the mobile water tanker having a capacity of 12 kl, 12 kl and 06 kl are deployed for the water spraying regarding effective dust suppression on coal transportation roads, haul road & near coal stock yard. • All Coal Carrying trucks are being properly covered by Tarpaulin to minimize the fugitive dust emission (arise due to coal spillage) and trucks are being monitored through via CCTVs cameras & GPS system for the compliance. • To minimize the dust generation
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		<p>during coal transportation the roads has been black topped.</p> <ul style="list-style-type: none"> • Road Sweeping is done by manual mean on as and when required basis. <p>Till date 86,500 nos. of saplings planted within the ML area covering an area of 36.6 ha (approx.). Plantation program is carried out through State expert agencies with 4 years maintenance after year of plantation.</p>
(iv)	<p>The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.</p>	<p>Complied.</p> <p>At present, coal is transported as per the provisions and route envisaged in the approved Mining Plan or Environment Management Plan.</p> <p>At present, major part of the coal is transported to the nearest Thermal Power Plants named TPS Koradi and TPS Khapadkheda via closed pipe conveyor belt system and remaining part of coal is transported via black topped road (BT) and it is ensured that all the coal carrying trucks leaving mine premises are properly covered by tarpaulin to reduce fugitive dust emission in the route plan of the approved Mining plan by eliminating the use of the existing road passing through Dorli village to mitigate any kind of impact of sound, dust and accident For more details, please refer aforesaid point no. 4.b (iii).</p> <p>(Annex-2, Geotagged photo tarpaulin covered trucks and closed pipe conveyor belt system)</p> <p>Additionally, the newly constructed coal transported road is covered with avenue plantation on both sides with native</p>



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		<p>species to appropriately reduce the impact of sound, dust, and accidents from the local villages.</p> <p>(Annex-14.A, Geotagged photo Pipe Conveyor System) (Annex-14.B, Avenue plantation photos)</p>
(v)	<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 the authorized pollution testing centers.</p>	<p>Complied.</p> <p>As per the present practice, the PUC (Pollution Under Control) Certificate from the authorized pollution testing center is mandatory for all vehicles in the mine premises area and the same will be continued in future also.</p> <p>(Annex-15_Undertaking).</p>
(vi)	<p>Coal stock pile /crusher feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</p>	<p>Complied.</p> <p>At present, mist spraying system is installed at mobile crushers by deployment of 03 nos. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system and at coal stock yard and Drills are wet operated and are fitted with dust collectors during drilling.</p> <p>(Annex-17_Mist Canon Spray System)</p>
(vii)	<p>Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmentally friendly implemented for mitigating such parameters.</p>	<p>Complied.</p> <p>At present, mist spraying system is installed at crushers / CHP by deployment of 01 no. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system and Drills are wet operated and are fitted with dust collectors during drilling. Side cladding has been provided</p>

Shrini

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		<p>along the CHP/crusher.</p> <p>Recently, 2 nos. of mist canon system has been commissioned and are in operation.</p> <p>(Annex-16.A-Supply order mist canon) (Annex -16.B-Commissioning and training report for mist canon) (Annex-17, Geotagged photo of Mist canon spray system)</p>
(C)	Water quality monitoring and preservation	
(i)	<p>The effluent discharge (mine wastewater, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25thSeptember 2000 and as amended from time by the Central Pollution Control Board.</p>	<p>Agree and complied.</p> <p>The effluent discharge (mine wastewater, workshop effluent) are being monitored in terms of the parameters notified under Coal Industry Standards vide GSR 742(E) dated 25th September, 2000 and as amended from time to time on fortnightly basis by Central Mine Planning and Design Institute Limited, RI-IV, Nagpur (NABL Accredited Lab) on fortnightly basis and the reports are submitted to IRO, MOEF&CC, Nagpur and SPCB regularly.</p> <p>(Annex-20_Email submission of six-monthly EC compliance)</p>
(ii)	<p>The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.</p>	<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</p> <p>(Annex-19_Environment Monitoring Report uploaded on Company's Website)</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParsoni, District Nagpur (Maharashtra)



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(iii)	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.</p>	<p>Complied.</p> <p>Monitoring of ground water level in core and buffer zone is carried out four times (pre-monsoon, post-monsoon and winter) in a year and water quality analysis is done once in a year by establishing a network of the existing wells. A copy of the work order awarded to NABL accredited agency is attached for your ready reference.</p> <p>(Annex-68_Work Order)</p> <p>Additionally, two nos. of the piezometers are fitted with Digital Water Level recorder with and without telemetry system (deep and shallow) are in operation to monitor the impact of mining on ground water level in core zone.</p> <p>Moreover, quality of ground water is being monitored by NABL accredited lab on fortnightly basis. A copy of the report is attached and is regularly submitted to IRO, MOEF&CC and MPCB Office.</p> <p>(Annex-20, Email six monthly compliance status)</p> <p>Latest Piezometer data and quality report attached.</p> <p>(Annex-20.A, Latest Piezometer data and quality report)</p>
(iv)	<p>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest</p>	<p>Complied.</p> <p>Kanhan River passes about 250 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. Analysis reports are being</p>



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	<p>and Climate Change / Regional Office.</p>	<p>submitted to IRO, MOEF&CC and SPCB on regular basis.</p> <p>The latest Monitoring reports are enclosed.</p> <p>(Annex-21, Upstream / downstream report).</p>
<p>(v)</p>	<p>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>	<p>Complied.</p> <p>PP informed that no ground water, other than pumped water from mine is being used for meeting the industrial demand viz. dust suppression, plantation etc. No ground water is used for extraction of coal or evacuation of OB/Soil is being used for mining operation.</p> <p>Water conservation measures implemented in project are Roof top rainwater harvesting system has been installed at the Office of the Sub Area Manager, Mine Manager, Sub stations and hostel building etc. for conservation and augmentation of ground water resources.</p> <p>(Annex-22_Rainwater Harvesting Photos)</p> <p>Additionally, out of total land of 425.04 ha, only 96.50 Ha is in use for excavation 160 ha for OB dumping, 40 ha for embankment and infrastructure which comes to about 70% of the total land. The remaining land of 30 Ha is still untouched and serving as a water recharge structures.</p> <p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly interval. Reports attached.</p>



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		(Annex-23_Ground Water Monitoring Report)
(vi)	<p>Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ponds so constructed shall be regularly desilted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field /habitation/water bodies.</p>	<p>Complied.</p> <p>To arrest the silt, catch drains of size 1850 m(L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains & sedimentation ponds are desilted periodically & maintained properly especially onset of monsoon. Further, one no. of Garland drain having size 1100 m (L) x 20 m (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site.</p> <p>The accumulated water after proper settling of silt material is reused internally.</p> <p>For collection and treatment of strata water seepage, cross drains are construction for directing the strata seepage towards mine sump at quarry floor area. In Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment.</p> <p>The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt& dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>Till date, 86,500 nos. of saplings planted covering an area of 36.6 Ha. The following native species are</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)



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		<p>planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptparni, etc.</p> <p>The plantation programmed has been carried out by State expert agency MPRVVN with maintenance of 4 years after the year of plantation.</p> <p>Cleaning of the sedimentation tank is done periodically. A copy of the last work order is attached.</p> <p>(Annex-23.A_Sedimentation Work Order)</p> <p>Further, action has been taken for cleaning of the sedimentation tank for effective functioning which will also increase the capacity of sedimentation tank as per mine discharge water/day.</p> <p>As per current mine water discharge, there is no need for additional sedimentation tank.</p> <p>Although, suggestion has been noted to construct the suitable capacity sedimentation pond as per mine water discharge, if mine water discharged is increased in future.</p> <p>Digital Water Flow meter as per CGWA NOC has been installed in Sept.2021 and is in operation, photo attached.</p> <p>(Annex-18_Photos for DWFM)</p>
(vii)	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby</p>	<p>Complied.</p> <p>Roof top rainwater harvesting system has been installed at the Sub Area Manager office building, Mine Manager</p>



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Paraseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	<p>village(s) after due treatment conforming to the specific requirement (standards).</p>	<p>Office, Sub Station office & hostel building.</p> <p>(Annex-22_Rainwater harvesting Photos)</p> <p>Further, it may be mentioned here that, the leftover mine voids after life of mine will act as water body & rainwater harvesting structures helping in water conservation & in improving groundwater levels.</p> <p>WCL is committed to provide the water to nearby villagers. At present, the excess treated mine pumped out water discharged to local streams/ nallah is being used by the neighboring community for irrigation purposes after treatment through sedimentation tank.</p>
<p>(viii)</p>	<p>Industrial wastewater generated from CHP, workshop and other wastewater, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP/STP needs to be provided.</p>	<p>Complied.</p> <p>The quality of mine pumped out water is being monitored fortnightly by CMPDIL, RI-IV, Nagpur and the reports are submitted to RO, MOEF&CC and SPCB regularly. In Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment. The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt & dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>A copy of the monitoring report of mine discharge is attached.</p>



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		<p>(Annex-11_Environment Monitoring Report)</p> <p>Commissioning of adequate ETP i.e. 10000 liters per day is expected to be completed by June 2024 as additional development work is under progress.</p> <p>As, the mine is being operated under HoE, there is no township for employees in the mine premises, no sewage is generated and eliminate the need of the sewage treatment plant.</p> <p>Regular monitoring of treated mine discharge water is being carried out on fortnightly by CMPDIL, RI-IV, Nagpur and reports are being submitted to IRO, MOEF&CC and SPCB on regular basis.</p>
(ix)	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose vizwatering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>Complied.</p> <p>The mine discharge water is treated initially in the sump at quarry floor area (63 million Galleons capacity) and then pumped onto the surface sedimentation tanks of size of 60 m (L) * 30 m (B) * 1.2 m (D) for secondary treatment before utilized for industrial purposes viz. water sprinkling in the mine area, roads, green belt development etc.</p> <p>The catch drains/garland drains area regularly de-silted before onset on monsoon as a part of monsoon preparedness.</p> <p>The mine pumped out water is being utilized within the mine premises for watering of plants & spraying on haul roads etc. & only after passing it through the sedimentation tank having size of 60 m (L) * 30 m (B) * 1.2 m (D), the surplus water is discharged into nallah/Kanhan river. The drains & sedimentation pond are desilted</p>



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		<p>periodically & maintained properly.</p> <p>(Annex-24_Geotagged photo of sedimentation tank).</p> <p>Cleaning of the sedimentation tank is done periodically. A copy of the last work order is attached.</p> <p>(Annex-23.A_Sedimentation Work Order)</p> <p>Further, action has been taken for cleaning of the sedimentation tank for effective functioning which will also increase the capacity of sedimentation tank as per mine discharge water/day.</p> <p>As per current mine water discharge, there is no need for additional sedimentation tank.</p>
(x)	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet /pond/lake etc. shall be prepared and implemented by the project proponent. The surface drainage plan and /or any diversion of natural water courses shall be as per the approved Mining Plan /EIA/EMP report and with due approval of the concerned State /GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.</p>	<p>Complied.</p> <p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of natural Nalah, has been prepared and implemented by the project proponent including surface drainage plan for diversion of natural water courses as per the approved Mining Plan/EIA/EMP report through diversion of the natural nallah /water course passing through the mine lease area which has been completed or diverted as per the design given by Central Design Organization(CDO), Nashik i.e. with approval of the concerned GOI Authority. Report attached.</p> <p>(Annex-25, Design note on diversion</p>



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		<p>of nalla)</p> <p>Further, to prevent any danger against inrush of surface water into the mine as per the approved Mining Plan and as per the permission of DGMS, embankment has been constructed in the mine as per approved mining plan of the project having dimensions of length of 800 m, top width 20 m, bottom width 30 m & height of 6m from Highest Flood Level (HFL).</p>
<p>(xi)</p>	<p>The project proponent shall take all precautionary measures to ensure riverine / riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine / riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</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.</p> <p>River passes about 250 m away from the project through western direction of the mine. Precautionary measures are taken to ensure riverine / riparian ecosystem in and around the coal mine. Additionally, monitoring of water quality in the upstream and downstream of</p>



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		<p>Kanhan River is being done bi-annually and analysis reports are being submitted to IRO, MOEF&CC and SPCB on regular basis.</p> <p>Monitoring reports are enclosed.</p> <p>(Annex-11_Environment Monitoring Report)</p> <p>(Annex-21_Upstream/Downstream Report)</p>																							
(d)	Noise and Vibration monitoring and prevention.																								
(i)	<p>Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, Operation of HEMM, etc. shall be provided with personal protective equipments(PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.</p>	<p>Complied.</p> <p>Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPE like Ear plugs/muffs etc. with personal protective equipments. Regular awareness programme for training and retraining of workers are also conducted in vocational training center.</p> <p>Details of VTC training are as follows:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">VTC</th> </tr> <tr> <th>Contractual</th> <th>Departmental</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>37</td> <td>16</td> </tr> <tr> <td>2019-20</td> <td>39</td> <td>02</td> </tr> <tr> <td>2020-21</td> <td>11</td> <td>15</td> </tr> <tr> <td>2021-22</td> <td>63</td> <td>40</td> </tr> <tr> <td>2022-23</td> <td>65</td> <td>23</td> </tr> <tr> <td>2023-24</td> <td>58</td> <td>37</td> </tr> </tbody> </table> <p>(Annex-26_VTC training details)</p>	Year	VTC		Contractual	Departmental	2018-19	37	16	2019-20	39	02	2020-21	11	15	2021-22	63	40	2022-23	65	23	2023-24	58	37
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2020-21	11	15																							
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2023-24	58	37																							
(ii)	<p>Controlled blasting techniques shall be practiced in order to</p>	<p>Complied.</p> <p>Controlled blasting is practiced as per</p>																							

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	mitigate ground vibrations, fly rocks, noise and air blast etc, as per the guidelines prescribed by the DGMS.	DGMS permission. Copy of the permission from DGMS along with undertaking attached. (Annex-27, Undertaking)
(iii)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Complied. Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as permitted by DGMS is being adopted. Further, regarding the noise level monitoring covering working areas such as drilling at active mine bench and ground vibration reports and the records are accordingly maintained at project level for routine inspection by DGMS officials as per Mines Act, 1952. (Annex-28_Ground vibration report) Noise level monitoring is carried out regularly on fortnightly basis at different locations covering core & buffer zones and the reports are submitted to RO, MOEF&CC on regular basis. The monitoring stations are as below: 1.NSON-1-Contractor camp. 2.NSON-2-Sohali Village 3.NSON-3-Dorli Village (Annex-11_Environment Monitoring Report)

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(e)	Mining Plan	
(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	<p>Complied.</p> <p>Mining operations are being carried out and continue to be carried out as per provision of Mine Act 1952 ad no deviation is being made during operations. Copy of the permission from DGMS attached.</p> <p>(Annex-29_Udertaking).</p>
(ii)	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	<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-30_Udertaking).</p>
(iii)	No mining shall be carried out in forest land without obtaining Forest Clearance as per Forest (Conservation) Act,1980.	<p>Complied.</p> <p>Project Proponent has obtained Forest Clearance (FC) from MOEF&CC, Nagpur vide letter no F. No-MHC 026/2014-BHO/2887 dated 20.11.2017 (stage-I) and F.No 6-MHC 026/2014-BHO/3996 dated 31.07.2018 (stage-II) in favor of M/s. Western Coalfields Limited for diversion of 14.23 ha of Zupdi Jungle under Forest (Conservation) Act,1980.</p> <p>(Annex-31_Forest Clearance).</p>
(iv)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	<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>



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		<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-32, Solar plant photos)</p> <p>Details are as below:</p> <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.
(f)	Land reclamation	
(i)	<p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1.50,000</p>	<p>Complied.</p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out once in</p>



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Paraseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	<p>scale or as notified by Ministry of Environment Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).</p>	<p>three years. Latest report is attached. (Annex-33, Satellite Remote Sensing Survey report) The reports are submitted to Integrated Regional Office of Ministry of Environment(WCZ), Forest and Climate Change and the same are uploaded onto the company's website link- http://www.westerncoal.in/index1.php/StaticPage/155. (Annex-34, EC compliance uploaded on Company's website).</p>
(II)	<p>The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. Therein, the remaining area shall be backfilled and covered with thick and alive topsoil, post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal 27th August 2009 and subsequent amendments.</p>	<p>PP has consented to condition. The mine has started its operation in FY 2017-18 and at present is in its 6th year of operation. The progress of mining activities is being carried out as per approved mining plan. The Mine Closure Plan is an integral part of the approved Mining Plan. The post mining land use will be as per approved reports. As per the approved mining plan, mine closure plan and Addendum EIA/EMP, total final mine void would be in 96.50 ha with depth of 150 m against the total quarry area is 96.50 ha. No Backfilling will be made in quarry area. Final mine void will be covered into water body. The Project has two nos. of dumps in an area of 160 Ha. (135 ha.-external OB dump & 25 ha.-top soil dump) with 5mt height and (58.73 Mm³-external OB dumps & 5.56 Mm³ soil dumps) Mm³ of OB. The OB from the current mining operation will not be backfilled. No internal OB dump is envisaged in the project. The land after completion of all closure</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Paraseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		<p>activities and re-imburement of corpus deposited appropriate action for handling over the land will be taken. A mine closure plan was approved by the WCL Board along with opening of account no. 32320380000480 at Union bank, Gandhi Bagh Nagpur. The total fund available in account as on date is Rs. 30,83,57,862.5as on 31.03.2024.</p> <p>(Annex-35_Escrow account details)</p> <p>Post Mining land will be made usable for agricultural /forestry purposes and shall be handed over to the respective State Government as per the Final Mine Closure Plan. Till date, there is no backfilling.</p>
(iii)	<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-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.</p>	<p>Complied.</p> <p>The excavation, external OB dumping, plantation etc. is being carried out as per the approved Mining Plan in conformity with the submitted mining land use plans & EIA-EMP submitted to MOEF&CC.</p> <p>Six monthly EC compliance is regularly submitted to Ministry of Environment, Forest & Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p>(Annex-20_Email six monthly compliance status)</p>
(iv)	<p>Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i)</p>	<p>PP has consented to condition.</p> <p>PP has noted for compliance with due course of time.</p>

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	<p>and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time, Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.</p>	<p>Stowing is not applicable in Opencast coal mines.</p>
<p>(v)</p>	<p>Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(S) only and shall not be kept unutilized. The topsoil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest, and Climate Change/Regional Office.</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 run off is concerned, it is to be mentioned here that at present there is only one OB dump(hard) in the project which is already in use and dumping is in progress, because of which OB dump is active in nature and stabilization as suggested will be taken up with due course of time / after stabilization of the OB dump. The surface layout plan showing OB & Topsoil dumps is enclosed.</p> <p>(Annex-63_Surface plan showing OB and top soil dumps)</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 there</p>

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		is no rehabilitation as on date. Compliance status shall be submitted to the Ministry of Environment, Forest, and Climate Change/Regional Office.
(vi)	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Not applicable on as no grazing land is involved in the project area.
(g)	Green Belt	
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Not applicable on project as no endangered/endemic flora/fauna has spotted, so far.
(ii)	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/Coal transportation roads.	<p>Complied.</p> <p>A 3-tier plantation of width not less than 7.5 m has been developed along the mine lease area on the mine embankment, where a coal transportation road has been constructed.</p> <p>Till date, 86,500 nos. of saplings planted within the ML area covering an area of (approx.). 36.6 ha Plantation program is carried out through State</p>

Seemil

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		<p>expert agencies (MPRVVN) with 4 years maintenance after year of plantation.</p> <p>The following native species are planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc and project authority is committed for further rest of the plantation as per EMP in the succeeding years.</p>
(h)	Public hearing and Human health issues.	
(i)	<p>Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this Ministry & it's RO on six - monthly basis.</p>	<p>Complied.</p> <p>Illumination has been maintained as per new CMR guidelines. Latest illumination report attached.</p> <p>(Annex-36_Illumination report)</p>
(ii)	<p>The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS CIRCULARS. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operation shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.</p>	<p>Complied.</p> <p>Personal working in dusty areas is provided with dust masks. Periodical health check-up of mine workers are carried out once in 5 years with the purpose of detecting occupational diseases & hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 45 years are subjected to periodic medical examination at three years interval.</p> <p>Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.</p> <p>At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise PME/IME details are attached.</p> <p>(Annex-5_IME/PME Report)</p>

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A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

(iii)	<p>Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.</p>	<p>Complied.</p> <p>Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work. Details for distribution of PPE kit in FY 23-24 is as follows:</p> <table border="1" data-bbox="781 554 1279 1318"> <thead> <tr> <th>Sr. No</th> <th>PPE Equipment</th> <th>Nos. Distributed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>First Aid Kit</td> <td>40</td> </tr> <tr> <td>2</td> <td>Helmet</td> <td>119</td> </tr> <tr> <td>3</td> <td>Earmuffs</td> <td>27</td> </tr> <tr> <td>4</td> <td>Masks</td> <td>968</td> </tr> <tr> <td>5</td> <td>Florescent jackets</td> <td>165</td> </tr> <tr> <td>6</td> <td>Life Jackets</td> <td>16</td> </tr> <tr> <td>7</td> <td>Water Bottle</td> <td>162</td> </tr> <tr> <td>8</td> <td>Mining Shoes</td> <td>438</td> </tr> <tr> <td>9</td> <td>Gum Boot</td> <td>67</td> </tr> <tr> <td>10</td> <td>Goggles</td> <td>27</td> </tr> </tbody> </table> <p>Safety awareness programme& training are conducted regularly for personnel of the project.</p> <p>(Annex-37_PPE Kit details).</p>	Sr. No	PPE Equipment	Nos. Distributed	1	First Aid Kit	40	2	Helmet	119	3	Earmuffs	27	4	Masks	968	5	Florescent jackets	165	6	Life Jackets	16	7	Water Bottle	162	8	Mining Shoes	438	9	Gum Boot	67	10	Goggles	27
Sr. No	PPE Equipment	Nos. Distributed																																	
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(iv)	<p>Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public</p>	<p>Complied.</p> <p>The issues raised during the public hearing are being properly addressed. Land outsees has being compensated and employment has been given to all the eligible persons as per R&R policy. All the guidelines will be adhered from</p>																																	



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

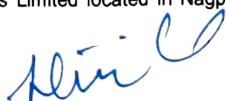
	<p>hearing. Land outsees shall be compensated as per the norms laid down in the R&R policy of the company / State Government / Central Government, as applicable.</p>	<p>time to time framed by Government body in future. Details up to March 2024 Employment – 107 nos. Monetary Compensation given to – 55 nos. Land compensation paid – 88.50 crores. Land outsees has been compensated as per the norms laid down in the R&R policy of the company. Tenancy land compensation- 362.18 Ha (as per new rate)- is Rs. 81.96 Cr. Land compensation given for 16.21 Ha Govt land -Rs. 3.72 Cr. Land compensation given for 14.23 Ha Govt land -Rs. 2.82 Cr.</p>
(v)	<p>The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-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 on current mine lease area and PP consented to the condition in future, if required.</p> <p>No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p>(Annex-38_No habitation in lease hold area).</p>
(i)	Corporate Environment Responsibility	
(i)	<p>The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.</p>	<p>Not applicable.</p> <p>The expansion of Singhori OC from 0.80 MTPA to 1.12 MTPA does not involve any additional capital investment. Please refer condition no 6(IX) of OM dated 01.05.2018 which state that "CER is not applicable in name change, transfer and amendment involving no additional project investment. In case of amendment in EC involving additional expenditure, CER will be applicable only on the additional</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

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		<p>expenditure as per column-IV of the table given in para 6(II) above".</p> <p>(Annex 39_CER dated 01.05.2018).</p>
(ii)	<p>The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental /forest / wildlife norms / conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms / conditions and /or shareholders/ stake holders.</p>	<p>Complied.</p> <p>The Coal India Limited Corporate Environment Policy 2023 duly followed WCL is attached.</p> <p>(Annex-40, CIL, Corporate Environment Policy, 2023).</p>
(iii)	<p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p>	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p>At HQ, WCL-The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level-Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p>



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		<p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123</p> <p>(Annex-41_Organizational Chart of the Company)</p>
(iv)	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.</p>	<p>Being complied.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is shown in every six-monthly compliance report sent to MOEF&CC.</p> <p>(Annex-42, Undertaking)</p> <p>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-43, Statement of environment expenditure till 31.03.2024)</p>
(v)	<p>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>	<p>Complied.</p> <p>Self-internal environmental audit system has been setup in the company recently. At Area level, a multi-disciplinary committee has been constituted by order of competent authority to review the compliance status every month through a formatted checklist. Inter-area inspection to review compliance status is being done on quarterly basis. The report of the inspection is put up to the subsidiary level apex committee which has been constituted under the chairmanship of Director (Technical), WCL. Mechanism for internal monitoring</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParsoni, District Nagpur (Maharashtra)

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A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

		<p>of EC compliance is enclosed.</p> <p>(Annex-44_Internal monitoring of EC compliance)</p> <p>Third party EC compliance has been done by National Environmental Engineering Research Institute (NEERI), Nagpur during their field visit on dated 17.01.2023. A copy of the work order and action taken report vide letter no. 156 dated 14/15.04.2023 in respect of the observations given by NEERI, Nagpur is attached.</p> <p>(Annex 8.A-Work order and ATR)</p> <p>Self-environmental audited report of Singhori mine is attached.</p> <p>(Annex-44.A_Inspection summary by Umrer Area)</p>
(j)	Miscellaneous	
(i)	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in tow local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<p>Complied.</p> <p>PP has given advertisement in two news papers. Advertisements are published in two Local News Papers:</p> <p>1) HITVADA (English) dated 28.08.2019. 2) PUNYA NAGRI (Marathi) dated 28.08.2019.</p> <p>(Annex-45_Newspaper Advertisements)</p>
(ii)	<p>The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies. Panchayats and Municipal Bodies in addition</p>	<p>Complied.</p> <p>A copy of the receiving from Gram Panchayat is attached.</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)

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	to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	(Annex-46_Copy of receiving from Gram Panchayat)
(iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<p>Complied.</p> <p>Copy of EC has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154</p> <p>(Annex-47_EC uploaded on Company's Website)</p> <p>A copy of six monthly has also been uploaded at link- http://www.westerncoal.in/index1.php/StaticPage/155</p> <p>(Annex-34_EC compliance Uploaded on Company's Website)</p>
(iv)	The project proponent shall monitor the criteria pollutants level namely, PM ₁₀ , SO ₂ , NO _x (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	<p>Complied.</p> <p>CAAQMS installed at Singhori OCM and results are displayed by installing LED on the roof of the CAAQMS room and also available on Company website at link- http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>(Annex-48_CAAQMS photos)</p> <p>The SO₂ and NO₂ sensors screenshot attached.</p> <p>(Annex-11.A_SO₂ and NO₂ sensors screenshot photo)</p>
(v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental	<p>Complied.</p> <p>Submitted report covering letter and emails are enclosed.</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

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	conditions on the website of the Ministry of Environment, Forest, & Climate at environment clearance portal.	(Annex-49_Six monthly covering letter) (Annex-20_Email six monthly compliance status)
(vi)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No Z-11013/5712014-IA. II (M) dated 29 th October,2014. Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease area or habitations and villages are surrounded by the mine lease area.	Not applicable on current mine lease area but PP has consented to condition, if required. No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached. (Annex-38_No habitation in the lease hold area)
(vii)	The project proponent shall submit the environment statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied. The Environmental Statement for each financial year is filled online in Form-V before 30 th September of each year for onward submission to Maharashtra Pollution Control Board. Acknowledged receipt for the Environmental Statement for FY 21-22 and FY 22-23 is attached and Environment statement for the year 2023-24 will be submitted within given deadline i.e. on or before 30/09/2024. (Annex-50_Environment statement). The audit statement is also uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/265 (Annex-51, Statement uploaded on Company's website).
(viii)	The project authorities shall	Complied.

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA-II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Paraseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	inform to the Regional Office of the MOEF&CC regarding commencement of mining operations.	PP informed to the IRO, Nagpur with the submission of Six-monthly report regarding commencement of project.
(ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Complied. Consent to Establish and Operate has been obtained from Maharashtra Pollution Control Board, Mumbai and PP strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. (Annex-52_New CTE 01.03.2023) (Annex-52.A_CTO 17.03.2023)
(x)	The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and that during their presentation to the Expert Appraisal Committee.	PP has consented to condition.
(xi)	No further expansion or modifications in the plant shall be carried out without prior approval of the-Ministry of Environment, Forests and Climate Change.	PP has consented to condition.
(xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act,1986.	PP has consented to condition.
(xiii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PP has consented to condition.
(xiv)	The Ministry reserves the right to	PP has consented to condition.

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 0.80 MTPA to 1.12 MTPA in mine lease area of 425.04 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 22.08.2019 for Expansion of Singhori OC Mine from production capacity of 0.80 to 1.12 MTPA in mine lease area of 425.04 Ha located at Village-Singhori, The-Parseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

	stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	
(xv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	PP has consented to condition.
(xvi)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution b) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	PP has consented to condition.

Saraj Shrivastava
25/05/2024

(Saroj Shrivastava)
Dy. General Manager (Mining)/Mine Manager,
Expansion of Singhori Opencast Mine,
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area

Avinash Prasad
25/05/2024

(Avinash Prasad),
General Manager (Mining)/ Sub Area Manager
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 23.05.2022 for Expansion of Singhori OC Mine from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha located at Village-Singhori, The-Parsoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

A monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under;

S.N	Condition as per EC dated 23.05.2022	Compliance Status
4.	Specific Compliance	
i.	PP shall submit certified compliance report of EC vide No. J-11015/67/2006-IA.II (M) Pt. dated 29 August, 2019 granted for 40% expansion, along with EIA/EMP report prepared based on standard ToRs for the additional capacity of 10% on PARIVESH portal within six months of enhancement of production beyond 40%.	<p>Complied.</p> <p>A copy of certified compliance report of EC vide No. J-11015/67/2006-IA.II (M)Pt. dated 22 August, 2019 granted for 40% expansion, as received from the Integrated Regional Office Western Central Zone, Ministry of Environment and Forest; Nagpur vide letter no. F.NO.EC-1067/RON/2019-NGP/10433 dated 13.10.2022 received via email dated 14.10.2022 along with action taken report submitted to IRO, MOEF&CC, Nagpur vide email dated 31.10.2022 is attached.</p> <p>(Annex-1_Email for CCR)</p> <p>(Annex-2_Email for ATR)</p>
ii.	In view, of the above (i), Ministry shall ascertain the adequacy of the proposed environmental safeguards and stipulate necessary conditions, if required, which shall be monitored as a part of the EC compliance monitoring.	PP is consented to comply with.
iii.	PP shall obtain necessary prior consent for enhance capacity from State Pollution Control Board under Air and Water Act.	<p>Complied.</p> <p>PP has obtained Consent to Establish (CTE) and Consent to Operate (CTO) for the enhanced capacity i.e. 0.08 MTPA (from 1.12 to 1.20 MTPA) vide MPCB letter dated</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 23.05.2022 for Expansion of Singhori OC Mine from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha located at Village-Singhori, The-Parseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

A monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under;

		<p>01.03.2023 and 17.03.2023 having validity up to 31.03.2024.</p> <p>(Annex-3_Consent to Establish dated 01.03.23)</p> <p>(Annex-4_Consent to Operate dated 17.03.23)</p>
iv.	<p>Environmental quality parameters arising out of proposed expansion shall be within the prescribed norms and the same shall be maintained as per prescribed norms.</p>	<p>PP is consented to comply with the condition.</p> <p>At present, all the environmental parameters are within permissible limits and PP will ensure that after proposed expansion, the environmental attribute within the permissible limits specified by the ministry/MPCB.</p> <p>A copy of the environment monitoring attributes/reports for the period of April 2023 to September 2023 is attached.</p> <p>(Annex-5_Environment Monitoring Reports)</p>
v.	<p>Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Causes vs Union of India &Ors vide its judgment dated 8th 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</p>	<p>Not applicable.</p> <p>It is to be mentioned here that, as per the approved mine plan and previous environment clearance dated 22.08.2019, total quarry area for the project is 96.50 and there is no backfilling will be made in the quarry area and final mine void will be created in area of 96.50 Ha with depth of 150.00 mtr and final mine void will be converted into water body. For more details, please refer to the condition no. XV at page 2/10 of the aforesaid EC.</p>

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/67/2006-IA. II(M) Pt. dated 23.05.2022 for Expansion of Singhori OC Mine from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha located at Village-Singhori, The-Parseoni of Nagpur District in Maharashtra State under command area of M/s Western Coalfields Limited, Nagpur Area -reg.

A monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under;

	<p>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.</p>	
vi.	<p>All other terms and conditions as prescribed in Ministry's letter dated 17th May, 2007 and 22nd August, 2019 shall remain the same and need to be complied by PP.</p>	<p>PP is consented to comply with the condition.</p>


28/05/2024

(Saroj Shrivastava)

Dy. General Manager (Mining)/Mine Manager,
Expansion of Singhori Opencast Mine,
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area


31/05/2024

(Avinash Prasad)
General Manager, (Mining)/ Sub Area Manager
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area

EC Compliance status report for Expansion of Singhori Opencast coal mining project from 1.12 MTPA to 1.20 MTPA (increase in 10% to original EC i.e 0.8 MTPA) of in land area of 423.91 Ha of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

Monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under:

SN	Conditions as per EC	Pointwise Compliance Status
5.	Specific Conditions	
i.	As proposed, PP to implement surface miner and conveyor belt system from pit head to CHP by December 2023 and thereafter no transportation shall be permitted by road. SPCB shall issue the CTO accordingly, ensuring that no road transportation shall take place beyond this time.	Complied. PP has never proposed surface miner and conveyor belt system from pit head to CHP. Although, closed pipe conveyor belt system from CHP to nearest two nos. of Thermal Power Plants named Khaperkheda and KoradiTPSs of MAHAGENCO has already been commissioned mid of year 2023 for transportation of coal from mine pit to TPSs. (Annex-14.A, Geotagged photos of conveyor belt system)
ii.	PP shall deploy 40 tonnes (payload) covered trucks/dumper to reduce fleet size till Rapid loading system is completed.	Complied. WCL Board has approved necessary instructions w.r.t. ensure compliance of the said conditions by its incorporation in the NIT for the upcoming contracts. A copy of the confirmation letter from contract management cell having decision of Functional Directors of the company is attached for your ready reference. (Annex-55_CMC letter)
iii.	Wastewater from the HEMM washing/workshop shall be treated in ETP. After treatment water will be reused in washing of HEMM, dust suppression and greenbelt development as applicable. PP shall submit operation status of ETP to IRO, MOEF&CC the six monthly.	Agree to comply with. Construction of ETP is completed and construction of additional development works for smooth functioning of ETP like washing ramps, flooring, fencing etc. are in process and expected to be completed by June 2024. Accordingly, treated water will be reused for washing of HEMMs. PP will ensure to submit operation status of ETP to IRO, MOEF&CC the six monthly.

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		(Annex-56_ Geotagged photo of ETP construction)
iv.	Waste generated from the domestic use shall be treated in STP and the treated water will be utilized in plantation & greenbelt development.	<p>Not applicable.</p> <p>Being a HoE project, there is no residential colony in the project and at present total working manpower in the office is about 104 nos. and as per NBC norms 2016, total pollution load comes to 7.83 KLD which is less than 10 KLD and exempt from installation of STP.</p> <p>Although septic tank and soak pits arrangement have already been done for treatment of the domestic waste.</p>
v.	PP shall construct pond with proper drain for irrigation purposes to villagers with consultation of village panchayat.	<p>Complied.</p> <p>Drain of 800 m from sedimentation tank at mine to Kanhan river has been constructed as per the request and consultation of the local villagers for helping them concerning irrigation purpose.</p> <p>(Annex-24 Geotagged photo of sedimentation tank)</p>
vi.	PP shall provide village Bore well/Open well to nearby villages as community development programme.	<p>Compliance in progress.</p> <p>In this concern, PP has requested to the Gram Panchayat of nearby villages to provide Bore well/Open well in their villages, if required and accordingly on receipt of their requirements, bore well has been constructed at Bina-Bhanegaon Gram Panchayat and estimate for further requirement under process for another village and likely to be fulfilled latest by August 2024.</p> <p>A copy of request letter from PP to Gram Panchayat along with their response is attached as Annex-62.</p> <p>(Annex-62 Letters)</p>

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		(Annex-62.A Geotagged photo of Bore well attached)
vii.	Garland drain (2mx3m) of adequate size shall be provided at the toe of the benches to arrest discharge and runoff with silt and sediments surging into areas adjoining the periphery of overburden dump, which will be regularly cleaned before the onset of monsoon every year.	<p>Complied.</p> <p>To arrest the silt, catch drains of size 1850 m(L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains are desilted periodically & maintained properly by regular cleaning especially onset of monsoon.</p> <p>Additionally, one more no. of Garland drain having size 1100 m (L) x 20 m (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site. The accumulated water after proper settling of silt material is reused internally.</p> <p>(Annex- 57 Geotagged photo of Garland Drain with check dam)</p>
viii.	Check dams shall be constructed at required locations within drain to arrest eroded materials.	<p>Complied.</p> <p>To arrest eroded materials from OB dumps, temporary check dams have been provided by dumping of OB within the drain.</p> <p>(Annex- 57 Geotagged photo of Garland Drain with check dam)</p>
ix.	Settling ponds shall be constructed to treat mine discharge water inside the mine block.	<p>Complied.</p> <p>Sedimentation pond has been constructed to treat mine discharge water inside the mine block.</p>

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		(Annex-24 Geotagged photo of sedimentation tank)								
x.	Proper profiling of working benches of pits and dumps shall be done to channelize water in garland drains and sumps.	<p>Complying with.</p> <p>To channelize water in garland drains and sumps, proper profiling of working benches of pits and dumps are being done as per the guidelines of the Director General of Mine Safety(DGMS) and maintained to avoid infiltration of water in the operational area.</p>								
xi.	Additional greenbelt development/plantation shall be carried out at the periphery of the mine lease are as well as in the adjacent area.	<p>Complied.</p> <p>To ensure additional greenbelt development / plantation has been carried out at the periphery of the mine lease are as well as in the adjacent area, till date, 86,500 nos. of saplings has been planted within the ML area covering an area of (approx.). 36.6 Ha. Further,plantation program is carried out through State expert agencies (MPRVVN) with 4 years maintenance after year of plantation.</p> <p>The following native species are planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc and project authority is committed for further rest of the plantation as per EMP in the succeeding years.</p> <p>A copy of the year wise plantation along with is as shown below</p> <table border="1"> <thead> <tr> <th>Year</th> <th>No. of saplings planted</th> <th>Location</th> <th>Species planted</th> </tr> </thead> <tbody> <tr> <td>18-19</td> <td>25000</td> <td>Plain land near Singhori&</td> <td>Mix of medicinal,</td> </tr> </tbody> </table>	Year	No. of saplings planted	Location	Species planted	18-19	25000	Plain land near Singhori&	Mix of medicinal,
Year	No. of saplings planted	Location	Species planted							
18-19	25000	Plain land near Singhori&	Mix of medicinal,							

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

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		19-20	15000	Plain land	
		20-21	1500	Plain land near mine boundary	
		21-22	45000	Plain land and embankment, coal transportation road	
xii.	PP shall construct water harvesting structure with the facility of ground water recharge facility.	Complied. The details w.r.t. various rain water harvesting structures with ground water recharge facility have been constructed. Geotagged photos attached. Additionally, one pond has been maintained near Silewara for groundwater recharge by using mine water discharge. (Annex-22_Rainwater harvesting and ponds photos).			
xiii.	PP shall ensure the employment for the Project Affected Families (PAF) on timely basis.	Complied. PP is ensuring employment for all the applicable Project Affected Families (PAFs) on timely basis and details w.r.t. employment for the Project Affected Families (PAF) is attached herewith for your ready reference. (Annex-58_Details w.r.t PAF)			
xiv.	PP shall ensure distribution of water from the artificial reservoir within and outside mine lease area in consultation with gram panchayat. The water treatment plant to meet the requirement with the start of production.	Complied. In this connection it is submitted that making of artificial reservoir within mine lease area is not possible, because of the constraints related to mining operations, but as far as the outside mine lease area is concerned, one pond has been maintained in the quarry of			

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, Taluka Parseoni, District Nagpur (Maharashtra)

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A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		<p>Silewara Mine for groundwater recharge by using mine water discharge.</p> <p>(Annex-64_Geotagged photos of quarry of Silewara mine)</p> <p>Further, as far as requirement of water treatment plant is concerned, PP has installed a RO water plant having capacity of 10,000 l/hr for treatment of mine water discharge from Patansaongi UG Mine which is further distributed through Self Help Group of the nearby Gram Panchayat serving 8 nos. of villages.</p> <p>(Annex-65_Geotagged photo of the RO water Plant)</p>
xv.	<p>PP shall construct a pucca road to maintain the safety of people residing nearby along the transportation route with plantation on either side of the road.</p>	<p>Complied.</p> <p>To maintain the safety of the people residing nearby the mine, black topped road having length of about 2 km has constructed with plantation on possible/either side of the road.</p> <p>(Annex-59_ Geotagged photos showing road along with plantation)</p>
xvi.	<p>PP to install solar lights along the road used for transportation of mineral to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with it maintenance within the study area of 10 km radius buffer zone within one year.</p>	<p>Complied.</p> <p>A black topped road having length of about 2 km has already been fitted with sufficient lighting arrangements to avoid accident at night and maintained as well. Till date, no accident has been reported because of the same. Although PP is consented to comply with condition and estimate is under process.</p> <p>(Annex-60_Geotagged photos of black topped road at night)</p> <p>Possibilities are being explored w.r.t. the installation of the solar lights with its maintenance within the 10 km radius buffer zone.</p>

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

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A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		<p>Further, PP has requested to the Gram Panchayat of nearby villages to provide their requirement w.r.t solar lights and accordingly on their request estimate for procurement of the same is under process and likely to be completed by August 2024.</p> <p>A copy of request letter from PP to Gram Panchayat along with their response is attached as Annex-62.</p> <p>(Annex-62 Letters)</p>
xvii.	PP to provide bio toilets to the villages located within the study areas within 1 year from the grant of this EC.	<p>Compliance in progress.</p> <p>In this concern, PP has requested to the Gram Panchayat of nearby villages and as per their requirement procurement is under process and likely to be fulfilled latest by August 2024.</p> <p>A copy of request letter from PP to Gram Panchayat along with their response is attached as Annex-62.</p> <p>(Annex-62 Letters)</p>
xviii.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	<p>Complied and consented to comply.</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-6_Skilled Development)</p>

EC Compliance status report for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) of M/s Western Coalfields Limited located in Nagpur Area, Village Singhori, TalukaParseoni, District Nagpur (Maharashtra)

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A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/67/2006-IA-II (M) issued on 21.08.2023 by Ministry of Environment, Forest & Climate Change, IA-II (Coal Mining) Division), Government of India for Expansion of Singhori opencast coal mining project for increase in production capacity from 1.12 MTPA to 1.20 MTPA (increase of 10% to original EC i.e. 0.8 MTPA) of in land area of 423.91 Ha (within the already sanctioned EC ML area of 425.04 Ha) by M/s Western Coalfields Ltd., located in the village Singhori, Tehsil Parseoni, District Nagpur (Maharashtra)

		<p>Training)</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.</p> <p>(Annex-66_Centralised skill development centre)</p>
xix.	PP to fulfil all the commitment made in the minutes of public hearing to address the issues raised therein in a time bound manner and a progressive report to be furnished to IRO in every six monthly as compliance report.	<p>Complied.</p> <p>The issues raised during the public hearing are being properly addressed. Land outsees has being compensated and employment has been given to all the eligible persons as per R&R policy. All the guidelines will be adhered from time to time framed by Government body in future.</p> <p>Details up to March 2024. Employment – 107 nos. Monetary Compensation given to – 55 nos. Land compensation paid – 88.50 crores. Land outsees has been compensated as per the norms laid down in the R&R policy of the company. Tenancy land compensation- 362.18 Ha (as per new rate)- is Rs. 81.96 Cr. Land compensation given for 16.21 Ha Govt land -Rs. 3.72 Cr. Land compensation given for 14.23 Ha Govt land -Rs. 2.82 Cr.</p>
xx.	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India &Ors vide its judgement dated 8th January,	<p>Noted and agree to comply with.</p> <p>Being a post mining activity, the same will be taken as per approved mine closure plan with due course of time. The status progress report</p>

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Seema

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	<p>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 doffer, flora, fauna etc. Compliance of this condition after the mining activity is over a the cost of the mining lease holder/Project Proponent." The implementation report of the above said condition shall be sent to the Regional Office of MOEF&CC.</p>	<p>will be submitted to the Regional Office of MOEF&CC after its implementation.</p> <p>(Annex-54_Aproved Mining Plan)</p>
xxi.	<p>All other conditions stipulated in the previous ECs granted vide letter no. J-11015/67/2006-IA.II (M) dated 17.05.2007, 22.08.2019 and 23.05.2022 shall remain unchanged.</p>	<p>Noted and agree.</p>
xxii.	<p>PP shall conduct feasibility studies for assessment of voids for backfilling of ash and missing of ash with overburden, taking up backfilling ash and OB mixing activities during operations as well as post closure of mines in line with the Fly Ash Utilization Notification, 2021.</p>	<p>Condition not applicable.</p> <p>In this regard, kind attention is hereby invited towards point no. XV at page no 2/10 of the EC dated 22.08.2019, where it is mentioned that no backfilling will be made in quarry area and final mine void will be created in a quarry area of 96.50 Ha with depth of 150 mtr, which will be converted into water body.</p> <p>Additionally, PP will ensure to conduct feasibility studies for assessment of voids for backfilling of ash and missing of ash with overburden, taking up backfilling ash and OB mixing activities during operations as well as post closure of mines in line with the Fly Ash Utilization Notification, 2021, latest by</p>

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		December, 2024.
4.1		
(A)	Statutory Compliance	
i.	The project proponent shall obtain Forest Clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	<p>Complied.</p> <p>Project Proponent has obtained Forest Clearance (FC) from MOEF&CC, Nagpur vide letter no F.No-MHC 026/2014-BHO/2887 dated 20.11.2017 (stage-I) and F.No 6-MHC 026/2014-BHO/3996 dated 31.07.20yearwise18 (stage-II) in favor of M/s. Western Coalfields Limited for diversion of 14.23 ha of Zupdi Jungle under Forest (Conservation) Act,1980.</p> <p>(Annex-8.B, Forest clearance)</p>
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<p>Not applicable for this project.</p> <p>There is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 km boundary of the project.</p> <p>(Annex-67_Declaration)</p>
iii.	The project proponent shall prepare a Site-Specific Conservation Plan/Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in the consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study	<p>Not applicable for this project.</p> <p>There is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 km boundary of the project.</p> <p>(Annex-67_Declaration)</p>

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Serial

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	area).	
iv.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution control Board/Committee.	<p>Complied.</p> <p>The project proponent has obtained Consent to Establish and Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution control Board/Committee which is valid upto 31/03/2024 for a production capacity of 1.20 MTPA. A copy of the mentioned documents is attached.</p> <p>(Annex-52, New CTE 01.03.2023) (Annex- 52.A, CTO 17.03.2023)</p>
v	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	<p>Complied.</p> <p>No Objection Certificate (NOC) for ground water abstraction has been obtained from Central Ground Water Authority, (CGWA), New Delhi vide NOC no CGWA/NOC/MIN/ORIG/2019/6526 dated 25.10.2019 and valid up to 24.10.2021. The same has been applied for renewal through online portal of CGWA and is under consideration at CGWA, New Delhi.</p> <p>(Annex-9, NOC).</p> <p>Link is reproduced as below: https://cgwa-noc.gov.in/ExternalLogin.aspx?ReturnUrl=%2fExternalUser%2fApplicantHome.aspx</p> <p>Reason for delay in approval of NOC as below:</p>

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		<p>The existing NOC was applied for renewal on 22.10.2021 and the same was rejected and directed by CGWA that impact assessment report with modelling is mandatory for further processing of the application.</p> <p>Accordingly, the work was awarded to the CGWA accredited consultant and the said report along with fresh application was resubmitted to the CGWA on dated 30.09.2022 and the application has been approved by CGWB and is in processing stage for issue of the formal letter. A copy of the latest online status is attached for your ready reference.</p> <p>(Annex-4, NOC online status)</p>
vi.	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	<p>Not applicable.</p> <p>In the opencast coal mine project, overburden excavated during mining of coal is considered as a solid waste which is non-hazardous in nature and stacked at the earmarked sites of the approved mine plan including mine closure plan.</p>
(B)	Air Quality Monitoring and Preservation	
i.	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂, NO₂, NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State	<p>Complied.</p> <p>Installation of Continuous ambient air quality monitoring stations has been completed & working properly. Commissioning of one more CAAQMS is also likely to be completed latest by June 15, 2024 as CAAQMS machines have been delivered by the supplier and under installation. A copy of the supply order dated 14/02/2024 along with Geotagged photos of delivered CAAQMSs are attached.</p>

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	<p>Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.</p>	<p>(Annex-10, CAAQMS work order) (Annex-10.A, Geotagged photos)</p> <p>Additionally, four ambient air quality monitoring station covering core as well as buffer zone are established as follows:</p> <ul style="list-style-type: none"> • NSOA-1-Manager Office-Singhori OC • NSOA-2- Sohali Village • NSOA-3_Hingana Village • NSOA-4-Dorli Village <p>The stations have been fixed considering the meteorological data, topographical features etc. The monitoring is carried out with due prior intimation to MPCB.</p> <p>Monitoring data is being submitted to MOEF&CC & MPCB regularly. The monitoring results for period of 01.10.2023 to 31.03.2024 attached.</p> <p>(Annex-11, Environment monitoring report).</p> <p>Moreover, monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months. Latest report of heavy metal monitoring is also attached.</p> <p>(Annex-12, Heavy metal report).</p>
<p>ii.</p>	<p>The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742C dated 25th September 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such</p>	<p>Complied.</p> <p>Ambient air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO parameters are being carried out on fortnightly basis as per GSR 742(E) 2000 and monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. are being carried out every six months and the reports are being submitted to IRO,</p>

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	as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	MOEF&CC and SPCB regularly. (Annex-12, Heavy metal report) (Annex-13, Air monitoring report)
iii.	Transportation of coal, to the extent permitted by road, shall be carried out by covered truck/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution (with higher values of PM ₁₀ /PM _{2.5}) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters confirm to the norms prescribed by the Central/Stat Pollution Control Board.	<p>Complied.</p> <p>At present, major part of the coal is transported to the nearest Thermal Power Plants named TPS Koradi and TPS Khapadkheda via closed pipe conveyor belt system and remaining part of coal is transported via black topped road (BT) and it is ensured that all the coal carrying trucks leaving mine premises are properly covered by tarpaulin to reduce fugitive dust emission.</p> <p>(Annex-2_Geotagged photo tarpaulin covered trucks and closed pipe conveyor belt system)</p> <p>The following air pollution control measures are in place to mitigate air pollution due to mining activities; coal transportation and allied activities are placed below:</p> <ul style="list-style-type: none"> • 18 nos. of Fixed Water Sprinklers have been installed and are in operation near to coal stock yard to the weigh bridge to suppress the fugitive dust. • Three nos. of mist canon trolley mounted system type for dust suppression has deployed on mobile crushers and coal stock yard. • Three nos. (3) of the mobile water tanker having a capacity of 12 kl, 12 kl and 06 kl are deployed for the water spraying regarding effective dust suppression on

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		<p>coal transportation roads, haul road & near coal stock yard.</p> <ul style="list-style-type: none"> • All Coal Carrying trucks are being properly covered by Tarpaulin to minimize the fugitive dust emission (arise due to coal spillage) and trucks are being monitored through via CCTVs cameras & GPS system for the compliance. • To minimize the dust generation during coal transportation the roads has been black topped. • Road Sweeping is done by manual mean on as and when required basis. • Till date 86,500 nos. of saplings planted within the ML area covering an area of 36.6 ha (approx.). Plantation program is carried out through State expert agencies with 4 years maintenance after year of plantation.
<p>iv.</p>	<p>The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or Environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust, and accident could by appropriately mitigated.</p>	<p>Complied.</p> <p>At present, coal is transported as per the provisions and route envisaged in the approved Mining Plan or Environment Management Plan.</p> <p>At present, major part of the coal is transported to the nearest Thermal Power Plants named TPS Koradi and TPS Khapadkheda via closed pipe conveyor belt system and remaining part of coal is transported via black topped road (BT) and it is ensured that all the coal carrying trucks leaving mine premises are properly covered by tarpaulin to reduce fugitive dust emission</p>

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		<p>in the route plan of the approved Mining plan by eliminating the use of the existing road passing through Dorli village to mitigate any kind of impact of sound, dust and accident For more details, please refer aforesaid point no. 4.b (iii).</p> <p>(Annex-2, Geotagged photo tarpaulin covered trucks and closed pipe conveyor belt system)</p> <p>Additionally, the newly constructed coal transported road is covered with avenue plantation on both sides with native species to appropriately reduce the impact of sound, dust, and accidents from the local villages.</p> <p>(Annex-14.A, Geotagged photo Pipe Conveyor System) (Annex-14.B, Avenue plantation photos)</p>
v.	<p>Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.</p>	<p>Complied.</p> <p>As per the present practice, the PUC (Pollution Under Control) Certificate from the authorized pollution testing center is mandatory for all vehicles in the mine premises area and the same will be continued in future also.</p> <p>(Annex-15, Undertaking PUC Certificate).</p>
vi.	<p>Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made</p>	<p>Complied.</p> <p>At present, mist spraying system is installed at mobile crushers by deployment of 01 no. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system and Drills are wet operated</p>

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	<p>to avoid air borne dust. Drills shall be wet operate or fitted with dust extractors.</p>	<p>and are fitted with dust collectors during drilling. Side cladding has been provided along the CHP/crusher.</p> <p>Recently, 2 nos. of mist canon system has been commissioned and are in operation.</p> <p>(Annex-16.A-Supply order mist canon) (Annex -16.B-Comissioning and training report for mist canon) (Annex-17, Geotagged photo of Mist canon spray system)</p>
vii.	<p>Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.</p>	<p>Complied.</p> <p>At present, mist spraying system is installed at crushers / CHP by deployment of 01 no. of mist canon system having 100 m throw for the dust suppression in the mobile crusher system and Drills are wet operated and are fitted with dust collectors during drilling. Side cladding has been provided along the CHP/crusher.</p> <p>Recently, 2 nos. of mist canon system has been commissioned and are in operation.</p> <p>(Annex-16.A-Supply order mist canon) (Annex -16.B-Comissioning and training report for mist canon) (Annex-17, Geotagged photo of Mist canon spray system)</p>
(C)	Water Quality Monitoring and Preservation	
i.	<p>The effluent discharge (mine wastewater, workshop effluent)shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR</p>	<p>Agree and complied.</p> <p>The effluent discharge (mine wastewater, workshop effluent) are being monitored in terms of the parameters notified under Coal</p>

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	<p>742(E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.</p>	<p>Industry Standards vide GSR 742(E) dated 25th September, 2000 and as amended from time to time on fortnightly basis by Central Mine Planning and Design Institute Limited, RI-IV, Nagpur (NABL Accredited Lab) on fortnightly basis and the reports are submitted to IRO, MOEF&CC, Nagpur and SPCB regularly.</p> <p>(Annex-20_Email submission of six-monthly EC compliance)</p>
<p>ii.</p>	<p>The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular no. J-20012/I/2006-IA.11 (M) dated 27th May 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.</p>	<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</p> <p>(Annex-19, Environment monitoring report uploaded on Company's website)</p>
<p>iii.</p>	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water level shall be carried out four times a year i.e. pre-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 MOEF&CC/RO.</p>	<p>Complied.</p> <p>Monitoring of ground water level in core and buffer zone is carried out four times (pre-monsoon, post-monsoon and winter) in a year and water quality analysis is done once in a year by establishing a network of the existing wells. A copy of the work order awarded to NABL accredited agency is attached for your ready reference.</p> <p>(Annex-68_Work Order)</p> <p>Additionally, two nos. of the piezometers are fitted with Digital Water Level recorder with</p>

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Signature

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		<p>and without telemetry system (deep and shallow) are in operation to monitor the impact of mining on ground water level in core zone.</p> <p>Moreover, quality of ground water is being monitored by NABL accredited lab on fortnightly basis. A copy of the report is attached and is regularly submitted to IRO, MOEF&CC and MPCB Office.</p> <p>(Annex-20, Email six monthly compliance status)</p> <p>Latest Piezometer data and quality report attached.</p> <p>(Annex-20.A, Latest Piezometer data and quality report)</p>
iv.	<p>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.</p>	<p>Complied.</p> <p>Kanhan River passes about 250 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. Analysis reports are being submitted to IRO, MOEF&CC and SPCB on regular basis.</p> <p>The latest Monitoring reports are enclosed.</p> <p>(Annex-21, Upstream/downstream report).</p>
v.	<p>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>	<p>Complied.</p> <p>PP informed that no ground water, other than pumped water from mine is being used for meeting the industrial demand viz. dust suppression, plantation etc. No ground water is used for extraction of coal or evacuation of</p>

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		<p>OB/Soil is being used for mining operation.</p> <p>Water conservation measures implemented in project are Roof top rainwater harvesting system has been installed at the Office of the Sub Area Manager, Mine Manager, Sub stations and hostel building etc. for conservation and augmentation of ground water resources.</p> <p>(Annex-22, Rainwater harvesting photos)</p> <p>Additionally, out of total land of 425.04 ha, only 96.50 Ha is in use for excavation 160 ha for OB dumping, 40 ha for embankment and infrastructure which comes to about 70% of the total land. The remaining land of 30 Ha is still untouched and serving as a water recharge structures.</p> <p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly interval. Reports attached.</p> <p>(Annex-23, Ground water monitoring report)</p>
vi.	<p>Catch and/or garland drains and siltation ponds in adequate numbers and 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</p>	<p>Complied.</p> <p>To arrest the silt, catch drains of size 1850 m(L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains & sedimentation ponds are desilted periodically & maintained properly especially onset of monsoon.</p>

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<p>providing adequate channels for flow of silt into the drains. The drains/ponds soconstructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.</p>	<p>Further, one no. of Garland drain having size 1100 m (L) x 20 m (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site.</p> <p>The accumulated water after proper settling of silt material is reused internally.</p> <p>For collection and treatment of strata water seepage, cross drains are construction for directing the strata seepage towards mine sump at quarry floor area. In Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment.</p> <p>The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt& dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>Till date, 86,500 nos. of saplings planted covering an area of 36.6 Ha. The following native species are planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc.</p> <p>The plantation programmed has been carried out by State expert agency MPRVNN with maintenance of 4 years after the year of plantation.</p>
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		<p>Cleaning of the sedimentation tank is done periodically. A copy of the last work order is attached.</p> <p>(Annex-23.A, Sedimentation work order)</p> <p>Further, action has been taken for cleaning of the sedimentation tank for effective functioning which will also increase the capacity of sedimentation tank as per mine discharge water/day.</p> <p>As per current mine water discharge, there is no need for additional sedimentation tank.</p> <p>Although, suggestion has been noted to construct the suitable capacity sedimentation pond as per mine water discharge, if mine water discharged is increased in future.</p> <p>Digital Water Flow meter as per CGWA NOC has been installed in Sept.2021 and is in operation, photo attached.</p> <p>(Annex-18_ Photos for DWFM)</p>
vii.	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due to treatment conforming to the specific requirement (standards).</p>	<p>Complied.</p> <p>Roof top rainwater harvesting system has been installed at the Sub Area Manager office building, Mine Manager Office, Sub Station office, Rest Shelter, Singhori OCM & Hostel building of Bhanegaon Singhori Sub Area.</p> <p>(Annex-22, Rainwater harvesting photos)</p> <p>Further, it may be mentioned here that, the</p>

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		<p>leftover mine voids after life of mine will act as water body & rainwater harvesting structures helping in water conservation & in improving groundwater levels.</p> <p>WCL is committed to provide the water to nearby villagers. At present, the excess treated mine pumped out water discharged to local streams/ nallah is being used by the neighbouring community for irrigation purposes after treatment through sedimentation tank.</p>
viii.	<p>Industrial wastewater generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP/STP needs to be provided.</p>	<p>Complied.</p> <p>At present, no industrial wastewater is generated from CHP because water used for dust suppression via mist canon is evaporated as far as workshop is concerned it is to be mentioned here that being an HoE project, there is no workshop in the mine which eliminates possibility of the discharge.</p> <p>Further, in Singhori OC, a sump has been provided with adequate capacity of 63 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 60 m (L) * 30 m (B) * 1.2 m (D), for further treatment. The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt & dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>Additionally, quality of mine pumped out water is being monitored fortnightly by CMPDIL, RI-IV, Nagpur and the reports are submitted to IRO, MOEF&CC and SPCB regularly.</p>

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		<p>A copy of the monitoring reports of mine discharge is attached.</p> <p>(Annex-11, Environment monitoring report)</p> <p>Commissioning of adequate ETP i.e. 10000 liters per day is expected to be completed by June 2024 as additional development work is under progress.</p> <p>As, the mine is being operated under HoE, there is no township for employees in the mine premises, no sewage is generated and eliminate the need of the sewage treatment plant.</p>
<p>ix.</p>	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, road, green belt development, etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>Complied.</p> <p>The mine discharge water is treated initially in the sump at quarry floor area (63 million Galleons capacity) and then pumped onto the surface sedimentation tanks of size of 60 m (L) * 30 m (B) * 1.2 m (D) for secondary treatment before utilized for industrial purposes viz. water sprinkling in the mine area, roads, green belt development etc.</p> <p>(Annex-24, Geotagged photo of sedimentation tank).</p> <p>Cleaning of the sedimentation tank is done periodically. A copy of the last work order is attached.</p> <p>(Annex-23.A, work order for cleaning/desiltation)</p> <p>All the catch drains are regularly de-silted</p>

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		before onset on monsoon as a part of monsoon preparedness and maintained.
x.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/GOI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	<p>Complied.</p> <p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of natural Nalah, has been prepared and implemented by the project proponent including surface drainage plan for diversion of natural water courses as per the approved Mining Plan/EIA/EMP report through diversion of the natural nallah /water course passing through the mine lease area which has been completed or diverted as per the design given by Central Design Organization(CDO), Nashik i.e. with approval of the concerned GOI Authority. Report attached.</p> <p>(Annex-25, Design note on diversion of nalla)</p> <p>Further, to prevent any danger against inrush of surface water into the mine as per the approved Mining Plan and as per the permission of DGMS, embankment has been constructed in the mine as per approved mining plan of the project having dimensions of length of 800 m, top width 20 m, bottom width 30 m & height of 6m from Highest Flood Level (HFL).</p>
xi.	The project proponent shall take all precautionary measures to ensure riverine / riparian ecosystem in and around the coal mine up to a distance of 5 km. A rivarine / riparian	<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</p>

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	<p>ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</p>	<p>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.</p> <p>River passes about 250 m away from the project through western direction of the mine. Precautionary measures are taken to ensure riverine / riparian ecosystem in and around the coal mine.</p> <p>Additionally, monitoring of water quality in the upstream and downstream of Kanhan River is being done bi-annually and analysis reports are being submitted to IRO, MOEF&CC and SPCB on regular basis.</p> <p>Monitoring reports are enclosed.</p> <p>(Annex-11, Environment monitoring report)</p> <p>(Annex-21, Upstream/downstream report).</p>
<p>(D) Noise and Vibration Monitoring and Prevention.</p>		
<p>i.</p>	<p>Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations,</p>	<p>Complied.</p> <p>Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPE like Ear</p>

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	<p>Operation of HEMM, etc. shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.</p>	<p>plugs/ muffs etc. with personal protective equipments. Regular awareness programme for training and retraining of workers are also conducted in vocational training center.</p> <p>Details of VTC training are as follows:</p> <table border="1" data-bbox="697 621 1237 1117"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">VTC</th> </tr> <tr> <th>Contractual</th> <th>Departmental</th> </tr> </thead> <tbody> <tr> <td>2017-18</td> <td>61</td> <td>26</td> </tr> <tr> <td>2018-19</td> <td>37</td> <td>16</td> </tr> <tr> <td>2019-20</td> <td>39</td> <td>02</td> </tr> <tr> <td>2020-21</td> <td>11</td> <td>302</td> </tr> <tr> <td>2021-22</td> <td>293</td> <td>40</td> </tr> <tr> <td>2022-23</td> <td>65</td> <td>23</td> </tr> <tr> <td>2023-24</td> <td>58</td> <td>37</td> </tr> </tbody> </table> <p>(Annex-26, VTC training details)</p>	Year	VTC		Contractual	Departmental	2017-18	61	26	2018-19	37	16	2019-20	39	02	2020-21	11	302	2021-22	293	40	2022-23	65	23	2023-24	58	37
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<p>ii.</p>	<p>Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc, as per the guidelines prescribed by the DGMS.</p>	<p>Complied.</p> <p>Controlled blasting is practiced as per DGMS permission. Copy of the permission from DGMS along with undertaking attached.</p> <p>(Annex-27, Undertaking).</p>																										
<p>iii.</p>	<p>The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis</p>	<p>Complied.</p> <p>Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as permitted by DGMS is being adopted. Further, regarding the noise level</p>																										

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		<p>monitoring covering working areas such as drilling at active mine bench and ground vibration reports and the records are accordingly maintained at project level for routine inspection by DGMS officials as per Mines Act, 1952.</p> <p>(Annex-28, Ground vibration report)</p> <p>Noise level monitoring is carried out regularly on fortnightly basis at different locations covering core & buffer zones and the reports are submitted to IRO (WCZ), MOEF&CC on regular basis. The monitoring stations are as below: 1.NSON-1-Contractor camp. 2.NSON-2-Sohali Village 3.NSON-3-Dorli Village</p> <p>(Annex-11, Environment monitoring report).</p>
(e) Mining Plan		
i.	<p>Mining shall be carried out under strict adherence to provisions of the 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-29, Undertaking).</p>
ii.	<p>Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</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>

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		(Annex-30, Undertaking).
iii.	No mining shall be carried out in forest land without obtaining Forest Clearance as per Forest (Conservation) Act,1980.	<p>Complied.</p> <p>Project Proponent has obtained Forest Clearance (FC) from MOEF&CC, Nagpur vide letter no F. No-MHC 026/2014-BHO/2887 dated 20.11.2017 (stage-I) and F.No 6-MHC 026/2014-BHO/3996 dated 31.07.2018 (stage-II) in favor of M/s. Western Coalfields Limited for diversion of 14.23 ha of Zupdi Jungle under Forest (Conservation) Act,1980.</p> <p>(Annex-31, Forest clearance).</p>
iv.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	<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-32, Solar plant photos)</p> <p>Details are as below:</p> <p>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</p>

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		<p>dewatering.</p> <p>2) Time to time calibrations of the power consuming equipments to make them more energy efficient.</p> <p>3) Monitor power quality and reliability to improve stability and minimize unplanned downtime.</p> <p>4) Promoting the benefits of energy efficiency.</p> <p>5) Energy audits conducted once every few years by external consultants.</p> <p>6) Switching to LED bulbs in the mass tower.</p>
(f)	Land reclamation	
i.	<p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1.50,000 scale or as notified by Ministry of Environment Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).</p>	<p>Complied.</p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out once in three years. Latest report is attached.</p> <p>(Annex-33, Satellite Remote Sensing Survey report)</p> <p>The reports are submitted to Integrated Regional Office of Ministry of Environment(WCZ), Forest and Climate Change and the same are uploaded onto the company's website link- http://www.westerncoal.in/index1.php/StaticPage/155.</p> <p>(Annex-34, EC compliance uploaded on Company's website).</p>
ii.	<p>The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m,</p>	<p>PP has consented to condition.</p> <p>The mine has started its operation in FY</p>

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<p>adequate engineering interventions shall be provided for sustenance of aquatic life therein. Therein, the remaining area shall be backfilled and covered with thick and alive topsoil, post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal 27th August 2009 and subsequent amendments.</p>	<p>2017-18 and at present is in its 6th year of operation. The progress of mining activities is being carried out as per approved mining plan. The Mine Closure Plan is an integral part of the approved Mining Plan. The post mining land use will be as per approved reports. As per the approved mining plan, mine closure plan and Addendum EIA/EMP, total final mine void would be in 96.50 ha with depth of 150 m against the total quarry area is 96.50 ha. No Backfilling will be made in quarry area. Final mine void will be covered into water body. The Project has two nos. of dumps in an area of 160 Ha. (135 ha.-external OB dump & 25 ha.-top soil dump) with 5mt height and (58.73 Mm³-external OB dumps & 5.56 Mm³ soil dumps) Mm³ of OB. The OB from the current mining operation will not be backfilled. No internal OB dump is envisaged in the project.</p> <p>The land after completion of all closure activities and re-imburement of corpus deposited appropriate action for handling over the land will be taken. A mine closure plan was approved by the WCL Board along with opening of account no. 323203800000470 at Union bank, Gandhi Bagh Nagpur. The total fund available in account is Rs. 30,83,57,862.5 as on 31.03.2024.</p> <p>(Annex-35, Escrow account details)</p> <p>Post Mining land will be made usable for agricultural /forestry purposes and shall be handed over to the respective State Government as per the Final Mine Closure Plan. Till date, there is no backfilling.</p>
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		Further, PP has revised the ESCROW agreement on 14.10.2022 for the latest mining plan including mine closure plan in line with the guidelines specified under Preparation of Mine Closure Plan issued by the Ministry of Coal 27 th August 2009 and subsequent amendments to ensure the compliance in this regard.
iii.	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining" / post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	<p>Complied.</p> <p>The excavation, external OB dumping, plantation etc. is being carried out as per the approved Mining Plan in conformity with the submitted mining land use plans & EIA-EMP submitted to MOEF&CC.</p> <p>Six monthly EC compliance is regularly submitted to Ministry of Environment, Forest & Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p>(Annex-20, Email six monthly compliance status)</p>
iv.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time, Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance	<p>PP has consented to condition.</p> <p>PP has noted for compliance with due course of time during closure of mine.</p> <p>Stowing is not applicable in Opencast coal mines.</p>

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	report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	
v.	<p>Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(S) only and shall not be kept unutilized. The topsoil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest, and Climate Change/Regional Office.</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 run off is concerned, it is to be mentioned here that at present there is only one OB dump(hard) in the project which is already in use and dumping is in progress, because of which OB dump is active in nature and stabilization as suggested will be taken up with due course of time / after stabilization of the OB dump. The surface layout plan showing OB & Topsoil dumps is enclosed.</p> <p>(Annex-63_Surface plan showing OB and top soil dumps)</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 there is no rehabilitation as on date. Compliance status shall be submitted to the Ministry of Environment, Forest, and Climate Change/Regional Office.</p>
vi.	The project proponent shall make necessary alternative arrangements, if grazing land is	Not applicable on as no grazing land is involved in the project area.

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	involved in core zone, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	
(g)	Green Belt	
i.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	Not applicable on project as no endangered/endemic flora/fauna has spotted, so far.
ii.	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/Coal transportation roads.	<p>Complied.</p> <p>A 3-tier plantation of width not less than 7.5 m has been developed along the mine lease area on the mine embankment, where a coal transportation road has been constructed.</p> <p>Till date, 86,500 nos. of saplings planted within the ML area covering an area of (approx.). 36.6 ha Plantation program is carried out through State expert agencies (MPRVVN) with 4 years maintenance after year of plantation.</p> <p>The following native species are planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc and project authority is committed for further rest of the plantation as per EMP in the</p>

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		succeeding years.
(h)	Public hearing and Human health issues.	
i.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this Ministry & it's RO on six-monthly basis.	<p>Complied.</p> <p>Illumination has been maintained as per new CMR guidelines. Latest illumination report attached.</p> <p>(Annex-36, Illumination report)</p>
ii.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 a top soil shall temporarily and DGMS CIRCULARS. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operation shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	<p>Complied.</p> <p>Periodical health check-up of mine workers are carried out once in 5 years with the purpose of detecting occupational diseases & hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 45 years are subjected to periodic medical examination at three years interval.</p> <p>Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.</p> <p>At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise PME/IME details are attached.</p> <p>(Annex-5, IME/PME report)</p>
iii.	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	<p>Complied.</p> <p>Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work. Details for distribution of PPE kit in FY 23-24 is as</p>

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		<p>follows:</p> <table border="1" data-bbox="697 457 1219 1213"> <thead> <tr> <th>Sr no</th> <th>PPE Equipment</th> <th>Nos. Distributed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>First Aid Kit</td> <td>40</td> </tr> <tr> <td>2</td> <td>Helmet</td> <td>119</td> </tr> <tr> <td>3</td> <td>Earmuffs</td> <td>27</td> </tr> <tr> <td>4</td> <td>Masks</td> <td>968</td> </tr> <tr> <td>5</td> <td>Florescent jackets</td> <td>165</td> </tr> <tr> <td>6</td> <td>Life Jackets</td> <td>16</td> </tr> <tr> <td>7</td> <td>Water Bottle</td> <td>162</td> </tr> <tr> <td>8</td> <td>Mining Shoes</td> <td>438</td> </tr> <tr> <td>9</td> <td>Gum Boot</td> <td>67</td> </tr> <tr> <td>10</td> <td>Goggles</td> <td>27</td> </tr> </tbody> </table> <p>Safety awareness programme & training are conducted regularly for personnel of the project.</p> <p>(Annex-37, PPE Kit details).</p>	Sr no	PPE Equipment	Nos. Distributed	1	First Aid Kit	40	2	Helmet	119	3	Earmuffs	27	4	Masks	968	5	Florescent jackets	165	6	Life Jackets	16	7	Water Bottle	162	8	Mining Shoes	438	9	Gum Boot	67	10	Goggles	27
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<p>iv.</p>	<p>Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land outsees shall be compensated as per the norms laid down in the R&R policy of the company / State</p>	<p>Complied.</p> <p>The issues raised during the public hearing are being properly addressed. Land outsees has being compensated and employment has been given to all the eligible persons as per R&R policy. All the guidelines will be adhered from time to time framed by Government body in future.</p>																																	

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	Government / Central Government, as applicable.	<p>Details up to March 2024.</p> <p>Employment – 107 nos.</p> <p>Monetary Compensation given to – 55 nos.</p> <p>Land compensation paid – 88.50 crores.</p> <p>Land outsees has been compensated as per the norms laid down in the R&R policy of the company.</p> <p>Tenancy land compensation- 362.18 Ha (as per new rate)- is Rs. 81.96 Cr.</p> <p>Land compensation given for 16.21 Ha Govt land -Rs. 3.72 Cr.</p> <p>Land compensation given for 14.23 Ha Govt land -Rs. 2.82 Cr.</p>
v.	The project proponent shall follow the mitigation measures provided in this Ministry’s OM No. Z-11013/5712014-IA.I1 (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>Not applicable on current mine lease area and PP consented to the condition in future, if required.</p> <p>No habitation and villages are part of existing mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p>(Annex-38, No habitation in lease hold area).</p>
(i) Corporate Environment Responsibility		
i.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental /forest / wildlife norms / conditions. The company shall have defined system of reporting infringements/deviation/violati	<p>Complied.</p> <p>The Coal India Limited Corporate Environment Policy 2023 duly followed WCL is attached.</p> <p>(Annex-40, CIL, Corporate Environment Policy, 2023).</p>

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	on of the environmental/forest/wildlife norms / conditions and /or shareholders/ stake holders.	
ii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p><u>At HQ, WCL</u>- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p><u>At Area level</u> – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p><u>At Unit Level</u>-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123</p> <p>(Annex-41, Organizational chart of the Company)</p>
iii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other	<p>Being complied.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is shown in every six-monthly compliance report sent to MOEF&CC.</p>

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	<p>purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.</p>	<p>(Annex-42, Undertaking)</p> <p>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-43, Statement of environment expenditure till 31.03.2024)</p>
<p>iv.</p>	<p>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>	<p>Complied.</p> <p>Self-internal environmental audit system has been setup in the company recently. At Area level, a multi-disciplinary committee has been constituted by order of competent authority to review the compliance status every month through a formatted checklist. Inter-area inspection to review compliance status is being done on quarterly basis. The report of the inspection is put up to the subsidiary level apex committee which has been constituted under the chairmanship of Director (Technical), WCL. Mechanism for internal monitoring of EC compliance is enclosed.</p> <p>(Annex-44, Internal monitoring of EC compliance)</p> <p>Third party EC compliance has been done by National Environmental Engineering Research Institute (NEERI), Nagpur during their field visit on dated 17.01.2023. A copy of the work order and action taken report vide letter no. 156 dated 14/15.04.2023 in respect of the observations given by NEERI, Nagpur is attached.</p> <p>(Annex 8.A-Work order and ATR)</p>

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		Self-environmental audited report of Singhori mine is attached. (Annex-44.A, Inspection summary by Umrer Area)
(j)	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in tow local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. PP has given advertisement in two newspapers. Advertisements are published in two Local News Papers: 1) HITVADA (English) dated 27.08.2023. 2) Lokmat (Marathi) dated 27.08.2023. (Annex-45, Newspaper advertisements, take this annexure from SOCM MPCB Folder)
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies. Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied. A copy of the receiving from Gram Panchayat is attached. (Annex-46, Copy of receiving from Gram Panchayat)
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. Copy of EC has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154 (Annex-47, EC uploaded on Company's

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		<p>website)</p> <p>A copy of six monthly has also been uploaded at link- http://www.westerncoal.in/index1.php/StaticPage/155</p> <p>(Annex-34, EC compliance uploaded on Company's website)</p>
iv.	<p>The project proponent shall monitor the criteria pollutants level namely, PM₁₀, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.</p>	<p>Complied.</p> <p>CAAQMS installed at Singhori OCM and results are displayed by installing LED on the roof of the CAAQMS room and also available on Company website at link- http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>(Annex-48, CAAQMS photos)</p>
(v)	<p>The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest, & Climate at environment clearance portal.</p>	<p>Complied.</p> <p>Submitted report covering letter and emails are enclosed.</p> <p>(Annex-49, Six monthly covering letter)</p> <p>(Annex-20, Email six monthly compliance status)</p>
vi.	<p>The project proponent shall follow the mitigation measures provided in this Ministry's OM No Z-11013/5712014-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 area or</p>	<p>Not applicable on current mine lease area but PP has consented to condition, if required.</p> <p>No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p>

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	habitations and villages are surrounded by the mine lease area.'	(Annex-38, No habitation in the lease hold area)
vii.	The project proponent shall submit the environment statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	<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. Acknowledged receipt for the Environmental Statement for FY 21-22 and FY 22-23 is attached and Environment statement for the year 2023-24 will be submitted within given deadline i.e. on or before 30/09/2024.</p> <p>(Annex-50, Environment statement).</p> <p>The audit statement is also uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/265</p> <p>(Annex-51, Statement uploaded on Company's website).</p>
viii.	The project authorities shall inform to the Regional Office of the MOEF&CC regarding commencement of mining operations.	<p>Complied.</p> <p>PP informed to the IRO, Nagpur with the submission of Six-monthly report regarding commencement of project.</p>
ix.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<p>Complied.</p> <p>Consent to Establish and Operate has been obtained from Maharashtra Pollution Control Board, Mumbai and PP strictly adhere to the stipulations made by the State Pollution</p>

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		Control Board and the State Government. (Annex-52, New CTE 01.03.2023) (Annex- 52.A, CTO 17.03.2023)
x.	The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and that during their presentation to the Expert Appraisal Committee.	PP has consented to condition.
xi.	No further expansion or modifications in the plant shall be carried out without prior approval of the-Ministry of Environment, Forests and Climate Change.	PP has consented to condition.
xii.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act,1986.	PP has consented to condition.
xiii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	PP has consented to condition.
xiv.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	PP has consented to condition.
xv.	The Regional Office of this Ministry shall monitor compliance of the stipulated	PP has consented to condition.

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	conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	
xvi.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution b) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	PP has consented to condition.

Saroj Shrivastava
28/05/2024

(Saroj Shrivastava)

Dy. General Manager (Mining)/Mine Manager,
Expansion of Singhori Opencast Mine,
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area

Avinash Prasad
31/05/2024

(Avinash Prasad),
General Manager (Mining)/ Sub Area Manager
Bhanegaon-Singhori Sub Area,
Western Coalfield Limited, Nagpur Area

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