

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

4 (a)	Statutory Compliance	Compliance Status
i)	<p>The Project Proponent shall obtain Consent to Establish from State Pollution Control Boards for the proposed peak capacity of 1.5 MTPA (Normative)/ 1.85 MTPA (Peak) prior to commencement of the increased production.</p>	<p><b>Complied.</b></p> <p>Consent to Establish has been secured from Maharashtra Pollution control Board, Mumbai vide consent order no. BO / JD (APC) / UAN No. 85083 / E / CC-2003001315 dated 19.03.2020.</p> <p>Latest copy of the Consent to operate valid up to 31.12.2025 is attached.</p> <p><b>(Annex-1.A, CTO)</b></p>
ii)	<p>The PP shall start the mining operation only after necessary clearances / approvals from the State Govt. Of Maharashtra and Other Department with regard to wildlife (if any).</p>	<p><b>Not applicable for this project.</b></p> <p>No National Parks, Wildlife Sanctuaries and Eco sensitive zones have been reported in 10 KM boundary of the project.</p>
iii)	<p>Transportation of coal from Coal Handling Plant shall be through covered trucks.</p>	<p><b>Complied.</b></p> <p>Transportation of coal from Coal Handling plant is carried out through tarpaulin covered trucks.</p> <p><b>(Annex-2, Tarpaulin covered truck photo)</b></p>
iv)	<p>To control the production of dust at source, the crusher and in-pit belt conveyors shall be provided with mist type sprinklers.</p>	<p><b>Complied.</b></p> <p>To control the production of dust at source, the crusher have been provided with mist type sprinklers and mist canons which are creating fog for dust suppression.</p> <p><b>(Annex-3, Geotagged photos of pollution control measures)</b></p> <p>Further, it is submitted that, at present there is no in-pit belt conveyors in the mine.</p>

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v)	<p><b>Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions, 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 loading and unloading points, etc, 2-3 tier of native tree with broad leaves of plantation shall be carried out all along the road transportation route.</b></p>	<p><b>Complied.</b></p> <p>In this regard it is submitted that to control dust emissions in the mine, following arrangement are in place :</p> <ol style="list-style-type: none"> <li>1. Three nos. of the mobile water tankers having a capacity of 28 kl, and Two (2) 10 kl are deployed for water spraying all along the coal transportation roads, haul roads etc. by providing sufficient water sprinklers.</li> <li>2. MgCl<sub>2</sub> is utilized to reduce rate of evaporation of water sprayed via water tanker/by providing fogging arrangement.</li> <li>3. Additionally, 12,000 nos. of saplings planted within the ML area covering an area of 05 ha.</li> <li>4. Mechanised sweeping machine has been deployed for regular sweeping of coal transportation road.</li> <li>5. 5 nos. of mist canons/foggers have been deployed to arrest fugitive dust emission at source (crushing point, loading point, unloading point) such as crusher and coal stock yard etc.</li> </ol>
vi)	<p><b>The company shall obtain approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 1.5 MTPA (Normative) / 1.85 MTPA (peak)</b></p>	<p><b>Complied.</b></p> <p>NOChas been granted by CGWA, New Delhi vide NOC No: CGWA/NOC/MIN/ORIG/2022/14712 dated 03.03.2022, valid up to 02.03.2024.A copy of the same is attached.</p> <p><b>(Annex-4, Previous NOC CGWA)</b></p> <p>Further, renewal of aforesaid NOC has been applied for coming two years as per the guideline; a copy of the screenshot from CGWA official website is attached.</p>



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		(Annex-4.A renewal details of NOC)
vii)	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	<p><b>Complied.</b></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"> <li>• Qualified Doctors</li> <li>• Qualified lab technician</li> <li>• Spirometer instrument,</li> <li>• Audiometry facilities</li> <li>• ECG machine</li> <li>• facilities for X-Ray</li> <li>• Laboratory facilities for bio-chemical tests</li> <li>• And qualified medical personnel are available.</li> </ul> <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 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><b>(Annex-5, IME/PME Report)</b></p> <p>Further, as per the reports, corrective actions are ensured.</p>
viii)	<p><b>Persons of nearby villages shall be given training on livelihood and skill development to make them employable.</b></p>	<p><b>Complied and consented to comply.</b></p> <p>At present, persons of the nearby vil-lages/land oustees are regularly trained to make them employable and also to utilize their skill in the compa-ny during their initial appointment. Year wise details for the training pro-gramme up to 2020 with no of benefi-ciaries is attached. It is to be men-tioned here that due to COVID restric-tion the training programme was closed in year 2021-22.</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><b>(Annex-6_Skilled Development Training)</b></p>
ix)	<p><b>To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.</b></p>	<p><b>Complied.</b></p> <p>Medical camp on regular basis are organized periodically and details of the medical camps organized in last two years are attached as <b>Annex-6.A</b></p> <p>Further, it is also to be mentioned here that regular and periodical medical</p>



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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.

- 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.

The details of the IME/PME of last 4 years are as below:

The prevention measures / medicine for burned, malaria and provision of anti-snake venom are ensured.

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.

During PME the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.

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		(Annex-5, IME/PME Report)								
x)	Permission for diversion of road and power line from authorised statutory body.	<p><b>Noted and agreed to comply with.</b></p> <p>At present, there is no need for diversion of road and power line. Further, permission for diversion of road and power line will be ensured as and when required in future after consultation and authorisation from applicable statutory body, only.</p>								
xi)	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. No shrubs/bushes shall be planted and only trees of native species shall be planted.	<p><b>Compliance in progress.</b></p> <p>Thick green belt of adequate width at the final boundary in the down wind direction of the project site will be developed to mitigate/check the dust pollution in the FY 2025-26 and it will be ensured that no shrubs/bushes shall be planted and only trees of native species will be planted.</p> <p>However, it is to be mentioned here that, at present, PP has planted total 12,500 nos. of plantation with 4 years maintenance by a government agency along the coal transportation roads (10,000 nos.) and safety zone (02,500 nos.) of the mine to arrest the coal dust during Coal transportation.</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>2012-13</td> <td>2,500</td> <td>Plain land near Manager office</td> <td>Mix of medicinal, fruiting, orname</td> </tr> </tbody> </table>	Year	No. of saplings planted	Location	Species planted	2012-13	2,500	Plain land near Manager office	Mix of medicinal, fruiting, orname
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		2020-21	10,000	Plain land near mine boundary and Coal transportation roads	ntal native species etc.
			12,500		
xii)	<b>Efforts shall be made for utilizing alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.</b>	<b>Complied.</b> To ensure the same, all project water requirements such as dust suppression, fire fighting etc. is fulfilled by utilisation of the mine discharge water only by minimizing the dependability on the surface water, i.e. bore wells and river water etc.			
xiii)	<b>The activities and fund provisions for CER shall be made as per the guidelines issued by the ministry regarding CER on 1st May, 2018.</b>	<b>Complied.</b> To ensure the compliance of the said direction from Ministry regarding CER on 1 <sup>st</sup> may, 2018, a separate fund provision for CER has been incorporated in the project report for Rs. 2,33,00,000/-.  <b>(Annex-7, CER)</b>			
xiv)	<b>Compliance of all the non-compliances and partially complied conditions by Regional office of MoEF&amp;CC, Nagpur for the project of EC dated 15th July, 2009. The PP shall take all the mitigation measures and the Action taken report shall be submitted to the Regional Office of the MoEF&amp;CC.</b>	<b>Complied.</b> In compliance of the same, Action Taken Report covering the all-mitigation measures taken by PP has been submitted to Integrated Regional Office of MOEF&CC, Nagpur.  <b>(Annex-8, Action Taken Report)</b>			
xv)	<b>Project Proponent shall obtain blasting permission from DGMS for</b>	<b>Complied.</b> Blasting permission has been ensured			

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<p>conducting mining operation near villages and also explore deployment of rock breakers of suitable capacity in the project to avoid blasting very near to villages. There shall be no damages caused to habitation /structures due to blasting activity.</p>	<p>and Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. Controlled Blasting Technique as permitted by DGMS is being adopted to ensure that no damages caused to habitation /structures due to blasting activity.</p> <p><b>(Annex-9, blasting permissions, blasting techniques- Undertaking)</b></p> <p>Latest vibration measurement report is attached.</p> <p><b>(Annex-9.A, Vibration report)</b></p>
<p>xvi) <b>Permission of road diversion Patansaongi – Adasa Village Road from authorized statutory body.</b></p>	<p><b>Noted and agreed to comply with.</b></p> <p>At present, there is no need for diversion of Patansaongi – Adasa Village Road.</p> <p>Further, permission for diversion of said road will be ensured as and when required in future after consultation and authorisation from applicable statutory body, only.</p>
<p>xvii) <b>Dumping of OB for construction of embankment against Chandrabhaga River should not pollute the river, Regular monitoring water quality of river shall be conducted.</b></p>	<p><b>Complied.</b></p> <p>All the dumping of OB for construction of embankment against Chandrabhaga River is done by maintaining a safe distance from the river.</p> <p>Additionally, to monitor the water quality of river regular monitoring of water quality of the said river is done by water analysis from the upstream and downstream of river report are submitted to IRO, MOEF&amp;CC, Nagpur Office.</p> <p><b>(Annex-10, Upstream downstream</b></p>



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		report)
xviii)	<b>Distance of mine boundary from ChandrabhagaNadi and distance of OB dump (embankment) from Chandrabhaga Nadi shall not be less than 150 m. The PP shall take all the mitigation measures to protect the water bodies and the compliance report shall be submit the Regional Office of the MOEF&amp;CC.</b>	<p><b>Complied.</b></p> <p>At present, distance of mine boundary from Chandrabhaga Nadi/river and distance of OB dump (embankment) from Chandrabhaga Nadi/river is 280 m maintaining a safe distance more than 150 m. A copy of the plan showing the same is attached.</p> <p><b>(Annex-11, Copy of the mine Plan).</b></p> <p>Additionally, to monitor the water quality of river regular monitoring of water quality of the said river is done by water analysis from the upstream and downstream of river report are submitted to IRO, MOEF&amp;CC, Nagpur Office.</p> <p><b>(Annex-10, Upstream downstream report)</b></p>
xix)	<b>The Project Proponent shall comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. State Government shall ensure that the entire compensation levied if any for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</b>	<p><b>PP is agreed and consented to comply with.</b></p> <p>In this regard it is submitted that mining of coal is being done with all due permissions from the concerned authorities/boards/ministry and no illegal mining is in practice.</p>
xx)	<b>Project Proponent shall obtain necessary prior permission from the Central Ground Water Authority</b>	<p><b>Complied.</b></p> <p>NOC has been granted by CGWA, New Delhi vide NOC No:</p>

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<p><b>(CGWA) in case of intersecting the Ground water table. The intersecting ground water table can only be commenced after conducting detailed hydro geological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.</b></p>	<p>CGWA/NOC/MIN/ORIG/2022/14712 dated 03.03.2022, valid up to 02.03.2024.A copy of the same is attached.</p> <p><b>(Annex-4, Previous NOC CGWA)</b></p> <p>Further, renewal of aforesaid NOC has been applied for coming two years as per the guideline; a copy of the screenshot from CGWA official website is attached.</p> <p><b>(Annex-4, NOC CGWA)</b></p> <p><b>(Annex-4.A renewal details of NOC)</b></p> <p>The Ground water level monitoring reports from MOEF&amp;CC certified agency is regularly submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board on six monthly bases.</p> <p><b>(Annex-11.A, Ground water level monitoring report)</b></p>
<p><b>xxi) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records; accordingly, also, Occupational health check-up's for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake</b></p>	<p><b>Complied.</b></p> <p>WCL has appointed skilled medical professionals as well as certified medical practitioners/doctors for periodical health check-up of mine workers once in 5 years with the purpose of detecting occupational diseases &amp; hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 45 years are subjected to periodic medical examination at three years interval.</p> <p>Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.</p>

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<p><b>venom including all other paramedical safeguards may be ensured before initiating the mining activities</b></p>	<p>At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise PME/IME details are as below:</p> <p><b>(Annex-5, IME/PME Report)</b></p> <p>WCL is having a separate Occupational Health and Safety policy approved by the WCL Board in its 350<sup>th</sup> meeting held on 25.03.2023 by replacing the existing safety policy and committed to ensure the health and safety of the employees, where WCL believes that accidents are preventable and industrial health hazards are controllable with foresights, relevant training, purpose attitude and appropriate equipment.</p> <p>Policy is focused on the following:</p> <ol style="list-style-type: none"> <li>Carry out all mining and associate activities in such a manner as to avoid harm to employees, neighbouring communities, and environment.</li> <li>Comply all relevant statutes for occupational health and safety.</li> <li>Continuously promote and improve safe practices in all its operations in a planned manner along with its monitoring and feedback.</li> <li>Develop a culture of progressive improvement in practices and systems related to Occupational Health and Safety (OHS) at workplaces.</li> </ol> <p>WCL will achieve these objectives by:</p> <ol style="list-style-type: none"> <li>Planning and designing of mine with adequate provision of Occupational Health and Safety.</li> <li>Hazard Identification and Risk Assessment based Safety Management System in mines.</li> </ol>
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		<p>C. Adoption of suitable technology for improvement in Occupational Health and Safety (OHS) system in workplaces.</p> <p>D. Provision of adequate resources for effective execution of Occupational Health and Safety (OHS) system in workplace.</p> <p>E. Engage the safety personnel exclusively for improving safety standards and safety cultures of mines.</p> <p>F. Organize appropriate forums with employees' representatives for joint consultations on Occupational Health and Safety matters to promote motivation and commitment of employees in Occupational Health and Safety System.</p> <p>G. Multilevel monitoring of the implementation of the Occupational Health and Safety (OHS) system in mines through Internal Safety Organization (ISO) at the company headquarters and Area Safety Officers at area level.</p> <p>H. Periodically auditing of the procedures and practices related to Occupational Health and Safety (OHS) system.</p> <p>I. Institute continuous education, training and retraining all employees with the accent placed on development of safety-oriented skills.</p> <p>J. Continuous efforts to improve the occupational health standards, workplace ambience and health conditions of the employees.</p>
xxii)	<p><b>Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014-IA. II (M), dated 29th October 2014, titled "Impact of mining activities on Habitations-</b></p>	<p><b>PP is consented to comply with the condition.</b></p> <p>At present, habitation and two villages are part of mine lease areas or surrounded by mine lease area. A copy</p>

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<p><b>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".</b></p>	<p>of the mine working plan showing mine lease area is attached.</p> <p><b>(Annex- 11, Copy of Mine Plan)</b></p> <p>But, as per the approved mining plan and EIA/EMP of the project, there is a separate provision for rehabilitation and resettlement of both villages in an area of 30.00 ha.</p> <p>Further, and as the mine is recently opened and rehabilitation and resettlement is under process in consultation with local bodies/authorities, which is a time consuming process.</p> <p>The details of rehabilitation and resettlement of both villages in an area of 30.00 ha is attached.</p> <p><b>(Annex-12, Details of rehabilitation and resettlement)</b></p>
<p><b>xxiii) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.</b></p>	<p><b>Complied.</b></p> <p>In compliance of the same, illumination has been maintained as per new CMR guidelines. Latest illumination report attached.</p> <p><b>(Annex-13, Latest illumination report)</b></p> <p>Moreover, to mitigate noise pollution, it is to be mentioned here that, at present, PP has planted total 12,500 nos. of plantation with 4 years maintenance by a government agency along the coal transportation roads (10,000 nos.) and safety zone (02,500 nos.) of the mine to arrest the coal dust during Coal transportation</p>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

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Additionally, regular environmental monitoring of environment attributes (Air, Water and Noise) is done on fortnight basis as per the GSR 25/09/2000 (Standards for coal mines) by a NABL accredited lab and reports are in public domains as the same are being uploaded onto company's website regularly at link - <http://www.westerncoal.in/index1.php/StaticPage/153> with submission to IRO, MOEF&CC and MPCB, Nagpur bianually. The reports show that parameters are within permissible limits.

**(Annex-14, Environment Monitoring Report uploaded on Company's website)**

Further, PPs will also ensure that the biological clock of the villages is not disturbed by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours. A copy of the Environment Monitoring Report since October 2023 to March2024 is attached.

**(Annex-15, Environment Monitoring Report)**

xxiv) **The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.**

**Not applicable.**

At present, there is no endangered fauna spotted in study area.



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xxv)	<b>"CAAQMS shall be provided with analyser of CO"</b>	<p><b>Complied.</b></p> <p>CAAQMS has been provided having analyser of CO.</p> <p><b>(Annex-16, CAAQMS photos)</b></p>
xxvi)	<p><b>Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India &amp;Ors vide its judgement 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 have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Ministries Reginal office for site inspection / verification. of the Ministry.</b></p>	<p><b>Condition not applicable at present, but PP has noted &amp;agree to comply with the same in due course of time.</b></p> <p>At present mine is in operation and as directed, that compliance of this condition will be ensured after the mining activity is over by the mining lease holders/Project Proponent. The implementation report of the above said condition will be sent to the Ministries Regional office for site inspection / verification of the Ministry, after compliance of the condition.</p>
4.1	<b>The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:</b>	
(a)	<b>Statutory compliance</b>	
i)	<p><b>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.</b></p>	<p><b>Not applicable.</b></p> <p>No forest land involved in the project.</p>

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ii)	<b>The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</b>	<b>Not applicable.</b>  No National Parks, Wildlife Sanctuaries and Eco sensitive zones have been reported in 10 KM boundary of the project.
iii)	<b>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 case of the presence of schedule-I species in the study area).</b>	<b>Not applicable.</b>  No National Parks, Wildlife Sanctuaries and Eco sensitive zones have been reported in 10 KM boundary of the project.
iv)	<b>The project Proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention &amp; Control of Pollution) Act,1981 and the Water (Prevention &amp; Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee</b>	<b>Complied.</b>  Consent to Establish and Operate has been secured from Maharashtra Pollution control Board, Mumbai and valid up to 31.12.2025.  <b>(Annex-1. A, CTO)</b> <b>(Annex-1. B, CTE)</b>
v)	<b>The project Proponent shall obtain the necessary permission from the Central Ground Water Authority.</b>	<b>Complied.</b>  NOC has been granted by CGWA, New Delhi vide NOC No: CGWA/NOC/MIN/ORIG/2022/14712 dated 03.03.2022, valid up to 02.03.2024.A copy of the same is attached.  <b>(Annex-4, Previous NOC CGWA)</b>  Further, renewal of aforesaid NOC has



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		<p>been applied for coming two years as per the guideline; a copy of the screenshot from CGWA official website is attached.</p> <p><b>(Annex-4.A renewal details of NOC)</b></p>
vi)	<p><b>Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid waste Management Rules, 2016/ Hazardous &amp; Other Waste Management Rules, 2016.</b></p>	<p><b>Not applicable.</b></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>(b) Air quality monitoring and preservation.</b>		
i)	<p><b>Continuous ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six month.</b></p>	<p><b>Complied.</b></p> <p>At present, Continuous ambient air quality monitoring station has been established in the core zone and further commissioning of another station in the buffer zone for monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> is likely to be completed latest by June 2024 as CAAQMS have been received and installation is under progress. Both monitoring stations has been established as per the location finalised/in consultation with the State Pollution Control Board. CAAQMS data is in the public domain on the following link  <a href="http://www.westerncoal.in/index1.php/StaticPage/153">http://www.westerncoal.in/index1.php/StaticPage/153</a>.</p> <p><b>(Annex-16, CAAQMS photos)</b></p> <p>Moreover, Air quality monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> is being carried out on fortnightly basis and the reports are being submitted to RO, MOEF&amp;CC and SPCB regularly. Based on the meteorological data &amp; topographical</p>

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		<p>features, air quality monitoring stations will be decided in consultation with SPCB covering core zone &amp; buffer zones regarding details of Stations, locations &amp; monitored values for ambient air quality monitoring. (A copy of the monitoring reports for the month (October 2023 to February 2024) are enclosed).</p> <ul style="list-style-type: none"> <li>• NAUA-1- Project Manager Office</li> <li>• NAUA -2- At Patakhedi GP Office</li> <li>• NAUA -3- Colony Water Filter Plant</li> <li>• NAUA -4- Kotodi Village</li> </ul> <p><b>(Annex-17, Air Monitoring report)</b></p> <p>Regarding 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 enclosed.</p> <p><b>(Annex-18, Heavy metal report)</b></p>
<p>ii)</p>	<p><b>The ambient air quality monitoring in the core zone shall be carried out to ensure the coal industry standard notified under GSR 742 (E) Dated 25.09.2000 and as amended from time to time by CPCB. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, etc. shall be regularly reported to the ministry regional office and to the CPCB/SPCB.</b></p>	<p><b>Complied.</b></p> <p>At present, Continuous ambient air quality monitoring station has been established in the core zone and further commissioning of another station in the buffer zone for monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>,NO<sub>x</sub> is likely to be completed latest by June 2024 as CAAQMS have been received and installation is under progress. Both monitoring stations has been established as per the location finalised/in consultation with the State Pollution Control Board. CAAQMS data is in the public domain on the following link  <a href="http://www.westerncoal.in/index1.php/StaticPage/153">http://www.westerncoal.in/index1.php/StaticPage/153</a>.</p> <p><b>(Annex-16, CAAQMS photos)</b></p>



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		<p>Based on the meteorological data &amp; topographical features, air quality monitoring stations are decided covering core zone &amp; buffer zones. Air quality monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> is being carried out on fortnightly basis and the reports are being submitted to RO, MOEF&amp; CC and SPCB on regularly.</p> <p>A copy of the monitoring reports for the month (October 2023 to March 2024) is enclosed). Regarding 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 enclosed.</p> <p><b>(Annex-17, Air Monitoring report)</b> <b>(Annex-18, Heavy metal report)</b></p>
<p>iii)</p>	<p><b>Transportation of coal, to the extent permitted by road shall be carried out by covered truck / conveyer. Effective control measures such as regular water sprinkling / mist / rain gun shall be carried out in critical areas prone to air pollution (with high levels of PM10 and PM 2.5) such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</b></p>	<p><b>Complied.</b></p> <p>At present, coal is being transported as per route permitted in the approved mine plan i.e. by road with proper covering of the mineral via tarpaulin.</p> <p>To achieve effective dust control arrangements in the mine, following arrangement are in place :</p> <ol style="list-style-type: none"> <li>1. Three nos. of the mobile water tankers having a capacity of 28 kl, and Two (2) 10 kl are deployed for water spraying all along the coal transportation roads, haul roads etc. by providing sufficient water sprinklers.</li> <li>2. MgCl<sub>2</sub> is utilized to reduce rate of evaporation of water sprayed via water tanker/by providing fogging arrangement.</li> <li>3. Additionally, 12,000 nos. of saplings planted within the ML area covering an area of 05 ha.</li> </ol>

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		<p>4. Mechanised sweeping machine has been deployed for regular sweeping of coal transportation road.</p> <p>5. 4 nos. of mist canons/foggers have been deployed to arrest fugitive dust emission at source(crushing point, loading point, unloading point) such as crusher and coal stock yard etc.</p> <p>1. Mobile water tankers 2. Plantation. 3. Tarpaulin covered trucks 4. Brooming Machine. 5. Sprinklers/Mist canon at crusher.</p> <p><b>(Annex-18.A-Photos)</b></p>
<p>iv)</p>	<p><b>Transportation of the coal shall be carried out as per the provisions and route proposed in the approved Mining plan. Transportation of coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a "bypass' road, it should be so constructed so that impact of sound, dust and accidents could be appropriately mitigated.</b></p>	<p><b>Complied.</b></p> <p>At present, coal is being transported as per route permitted in the approved mine plan i.e. by black topped road (3.8 km) with proper covering of the mineral via tarpaulin.</p> <p>To achieve effective dust control arrangements in the mine, following arrangement are in place :</p> <p>1. Three nos. of the mobile water tankers having a capacity of 28 kl, and Two (2) 10 kl are deployed for water spraying all along the coal transportation roads, haul roads etc. by providing sufficient water sprinklers.</p> <p>2. MgCl<sub>2</sub> is utilized to reduce rate of evaporation of water sprayed via water tanker/by providing fogging arrangement.</p> <p>3. Additionally, 12,000 nos. of saplings planted within the ML area covering an area of 05 ha.</p> <p>4. Mechanised sweeping machine has been deployed for regular sweeping of coal transportation road.</p>



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		<p>5. 4 nos. of mist canons/foggers have been deployed to arrest fugitive dust emission at source(crushing point, loading point, unloading point) such as crusher and coal stock yard etc.</p> <ol style="list-style-type: none"> <li>1. Mobile water tankers</li> <li>2. Plantation.</li> <li>3. Tarpaulin covered trucks</li> <li>4. Brooming Machine.</li> <li>5. Sprinklers/Mist canon at crusher.</li> </ol> <p><b>(Annex-18.A-Photos)</b></p> <p>Further, it is submitted that at present, the existing coal transportation road is not passing through any village which eliminate the requirement for construction of 'bypass' road to mitigate impact of sound, dust and accidents.</p>
v)	<p><b>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.</b></p>	<p><b>Complied.</b></p> <p>To ensure the compliance it is being ensured that the PUC (Pollution Under Control) Certificate from the authorized pollution testing centre is mandatory for all vehicles in the mine premises area and the same will be continued in future also.</p> <p><b>(Annex-19, PUC undertaking)</b></p>
vi)	<p><b>Coal stockpile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.</b></p>	<p><b>Complied.</b></p> <p>At present, mist spraying system is installed at mobile crushers by deployment of 04 no. of mist canon system having 100 m throw for the dust suppression in the 2 nos. of mobile crusher system and Drills are wet operated and are fitted with dust collectors during drilling.</p> <p><b>(Annex -20.A-Comissioning and training report for mist canons )</b></p>

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vii)	<p><b>Coal Handling Plant shall be operated with effective control measures w.r.t. Various environmental parameters. Environmentally friendly sustainable technology should be implemented for mitigating such parameters.</b></p>	<p><b>Complied.</b></p> <p>At present, mist spraying system is installed at mobile crushers by deployment of 04 no. of mist canon system having 100 m throw for the dust suppression in the 2 nos. of mobile crusher system and Drills are wet operated and are fitted with dust collectors during drilling.</p> <p><b>(Annex-20.A-Commissioning and training report for mist canons) Complied.</b></p> <p>It is also to be mentioned here that, at present, CHP hasn't been constructed in the project and adequate dust suppression arrangement will be put into operation, once it is commissioned.</p>
<p><b>(c) Water quality monitoring and preservation</b></p>		
i)	<p><b>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 25.09.2000 and as amended from time to time by the Central Pollution Control Board.</b></p>	<p><b>Agree and complied.</b></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 25<sup>th</sup> 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&amp;CC, Nagpur and SPCB regularly.</p> <p><b>(Annex-24_Email submission of six-monthly EC compliance)</b></p>
ii)	<p><b>The monitoring data shall be uploaded on the company website</b></p>	<p><b>Complied.</b></p>

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	<p>and displayed at the project site at a suitable location. The circular no. J-20012/1/2006/.1A.11 (M) Dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.</p>	<p>Environmental monitoring reports are being uploaded onto company's website regularly at link - <a href="http://www.westerncoal.in/index1.php/StaticPage/153">http://www.westerncoal.in/index1.php/StaticPage/153</a>.</p> <p><b>(Annex-14, Environment monitoring report uploaded on Company's website)</b></p>
<p>iii)</p>	<p><b>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year pre-monsoon, monsoon, post-monsoon and winter and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office.</b></p>	<p><b>Complied.</b></p> <p>Monitoring of ground water level in core and buffer zone is carried out four times in a year and water quality analysis is done once in a year by establishing a network of the existing wells. Additionally, one no. of the piezometers fitted with Digital Water Level recorder with telemetry system has been installed to monitor the impact of mining on ground water level in core zone. Moreover, quality of ground water is being monitored by NABL accredited lab on fortnightly basis. A copy of the report is attached and is regularly submitted to IRO, MoEF&amp;CC and MPCB Office.</p> <p>A copy of the latest ground water level monitoring and water quality analysis report is attached.</p> <p><b>(Annex-11.A, Ground water level monitoring report)</b></p>
<p>iv)</p>	<p><b>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to MoEF&amp;CC, Regional Office.</b></p>	<p><b>Complied.</b></p> <p>Chandrabhaga River passes about 280 m away from the project through south-eastern boundary of the mine. Monitoring of water quality in the upstream and downstream of Chandrabhaga River is being done. To monitor the water quality of river regular monitoring of water quality of the said river is done by water analysis</p>

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		<p>from the upstream and downstream of river report are submitted to IRO, MOEF&amp;CC, Nagpur Office.</p> <p><b>(Annex-10, Upstream &amp; downstream analysis report)</b></p>
v)	<p><b>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.</b></p>	<p><b>Complied.</b></p> <p>It is submitted that ground water, is not being used during mining operations except mine water discharge for its maximum utilisation concerning dust suppression, fire fighting etc.</p> <p>As far as rainwater harvesting is concerned, it is to inform here that PP has Installed Rainwater Harvesting Structure on available infrastructures in the mine such as Manager Office, Canteen building and Transit Hostel and Saoner Sub Area office buildings for water conservation and augmentation of ground water resources.</p> <p>Recharging details are attached.</p> <p><b>(Annex-22, Rainwater harvesting structure)</b></p>
vi)	<p><b>Catch and/or garland drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated /compacted and accumulation of water over dumps shall be avoided by adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly desilted particularly before on set of monsoon and maintained</b></p>	<p><b>Complied.</b></p> <p>To arrest the silt one no. of Garland drain having size 3000 m (L) x 3 m (W) x 3 m (D) has been provided around the OB dumps 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</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-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

properly. Sump capacity should also provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression measures and green belt development. Dimension of the retaining wall constructed if any at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of the native species to be made between toe of the dump and adjacent field/habitation/water bodies.

construction for directing the strata seepage towards mine sump at quarry floor area. In Adasa UG to OC, a sump has been provided with adequate capacity of 145 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 20 m (L) \* 6 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/ Chandrabhaga River.

Till date, 12,500 nos. of saplings planted covering an area of 5.00 Ha. The following native species are planted;

Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptarni, etc.

The plantation programmed has been carried out by State expert agency MPRVVN with maintenance of 4 years after the year of plantation.

**(Annex-23, MPRVVN MOU)**

vii) Adequate ground water recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby villages after due treatment conforming to the specific requirement (standards).

**Complied.**

PP has installed Rainwater Harvesting Structure on available infrastructures in the mine such as Manager Office, Canteen building and Transit Hostel and Saoner Sub Area office buildings for water conservation and augmentation of ground water resources. Area wise recharging details are attached.

**(Annex-22, Rainwater Harvesting structure)**

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	<p>Further, it may be mentioned here that, the leftover mine voids after life of mine will act as water body &amp; rainwater harvesting structures helping in water conservation &amp; in improving groundwater levels. PP is committed to provide the water to nearby villagers.</p> <p>At present, the excess treated mine pumped out water discharged to local streams/ nallah is being used by the neighbouring community for irrigation purposes.</p> <p>Additionally, project authorities will ensure to meet water requirement of nearby villages after due treatment conforming to the specific requirement (standards) on their requirement, if any.</p>
<p>viii) <b>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</b></p>	<p><b>Complied.</b></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 Adasa UG to OC, a sump has been provided with adequate capacity of 145 million gallons with retention period of 12hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 20 m (L) * 6 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 &amp; dust suppression etc. and the surplus water is</p>



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discharged into Chandrabhaga river.

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.

A copy of the monitoring reports of mine discharge is attached.

**(Annex-15, Environment monitoring report)**

Commissioning of adequate ETP i.e. 10000 liters per day is expected to be completed by September 2024 as PP has to retender the activity.

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.

ix) **The water pumped out from the mine, after siltation shall be utilized for industrial purpose viz. Watering the mine area, roads green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.**

**Complied.**

The mine discharge water is treated initially in the sump at quarry floor area (145 million Gallons capacity) and then pumped onto the surface sedimentation tanks of size of 20 m (L) \* 6 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.

**(Annex-25, Geotagged photo of sedimentation tank).**

Cleaning of the sedimentation tank is done periodically as and when required basis.

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		<p>All the catch drains are regularly desilted before onset on monsoon as a part of monsoon preparedness and maintained.</p> <p>A copy of the work order for cleaning/desiltation is attached for ready reference</p> <p><b>(Annex-23.A-work order for cleaning/desiltation)</b></p>
<p>x)</p>	<p><b>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river / rivulet / pond / lake etc., shall be prepared and implemented by project proponent. The surface drainage plan and/or diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/GOI Authority. The construction of embankment to prevent any danger against in rush of surface water into the mine should be as per approved Mining Plan and permission of DGMS. Or any other authority as prescribed by the law.</b></p>	<p><b>Noted &amp; will be complied with due course of time.</b></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 Nallah, has been prepared and will be 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 as per approved mining plan of the project, a seasonal nallah flowing in the mine boundary needs to be diverted and the diversion of nallah will be done as per approved mining plan/EIA/EMP report and with due approval of the concerned State/GOI authority.</p> <p>Further, as per statute, the mining is being carried out at a safe distance of 45-meter from (the cutting edge) nallah/ river flowing within the lease boundary.</p> <p>At present PP is constant touch with Central Design Organization (CDO), Nashik for diversion of the subject Nallah with approval of the concerned GOI Authority.</p>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

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Adasa Mine, Nagpur



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		<p><b>(Annex-25, Letter of communication with CDO Nashik)</b></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 &amp; height of 6m from Highest Flood Level (HFL).</p>
xi)	<p><b>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.</b></p>	<p><b>Complied.</b></p> <p>Chandrabhaga River passes about 280 m away from the project through south-eastern boundary 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 Chandrabhaga River is being done bi-annually and analysis reports are being submitted to IRO, MOEF&amp;CC and SPCB on regular basis. Monitoring reports are enclosed.</p> <p><b>(Annex-10, Upstream downstream report)</b></p>
<b>(d) Noise and Vibration monitoring and prevention</b>		
i)	<p><b>Adequate measures shall be taken for control of noise levels below 85 dBA (A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with personal protective equipment (PPE) like ear plugs/muffs in conformity with prescribed norms and guidelines in this regard. Adequate awareness programme</b></p>	<p><b>Complied.</b></p> <p>Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPE like Ear plugs/ muffs etc. with personal protective equipments. Regular awareness programme for training and retraining of workers are also conducted in vocational training centre.</p>

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<p>for users to be conducted. Progress in usage of such accessories to be monitored.</p>	<p>Details of VTC training are as follows:</p> <table border="1" data-bbox="754 319 1298 772"> <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</td> <td>08</td> <td>81</td> </tr> <tr> <td>2019</td> <td>10</td> <td>19</td> </tr> <tr> <td>2020</td> <td>113</td> <td>19</td> </tr> <tr> <td>2021</td> <td>127</td> <td>18</td> </tr> <tr> <td>2022</td> <td>152</td> <td>18</td> </tr> <tr> <td>2023</td> <td>202</td> <td>23</td> </tr> </tbody> </table> <p>(Annex-26, VTC training details)</p>	Year	VTC		Contractual	Departmental	2018	08	81	2019	10	19	2020	113	19	2021	127	18	2022	152	18	2023	202	23
Year	VTC																							
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2023	202	23																						
<p>ii) Controlled blasting techniques should be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by DGMS.</p>	<p>Complied.</p> <p>Controlled blasting is practiced as per DGMS guidelines. Copy of the permission from DGMS along with undertaking attached.</p> <p>(Annex-27, Undertaking controlled blasting as per DGMS guidelines)</p>																							
<p>iii) The noise level survey shall be carried out and per the prescribed guidelines to access noise exposure of the workman at vulnerable points in the mine premises and report in this regard shall be submitted to the ministry of /RO on six monthly basis.</p>	<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. Controlled Blasting Technique as permitted by DGMS is being adopted. Further, regarding the noise level monitoring covering working areas such as drilling at active mine bench and ground vibration reports and the records are accordingly maintained at project level for routine inspection by DGMS officials as per Mines Act, 1952.</p> <p>(Annex-27, Undertaking controlled blasting as per DGMS guidelines)</p> <p>Noise level monitoring is carried out regularly on fortnightly basis at different</p>																							



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		<p>locations covering core &amp; buffer zones and the reports are submitted to RO, MOEF&amp;CC on regular basis.</p> <p>The monitoring stations are as below:</p> <ol style="list-style-type: none"> <li>1. NAUN-1- Fan House.</li> <li>2. NAUN -2- Manager Office.</li> <li>3. NAUN -3- Saoner Colony.</li> </ol> <p><b>(Annex-15, Environment Monitoring Report)</b></p>
<b>(e)</b>	<b>Mining Plan</b>	
i)	<b>Mining shall be carried out under strict adherence to the provisions of mines act 1952 and subordinate legislations made there-under as applicable</b>	<p><b>Complied.</b></p> <p>Mining operations are being carried out and continue to be carried out as per provision of Mine Act, 1952 and no deviation is being made during operations. Copy of the permission from DGMS attached.</p> <p><b>(Annex-27.B, Undertaking)</b></p>
ii)	<b>Mining shall be carried out as per the approved Mining Plan(including Mine Closure Plan) abiding by Mining laws related to the coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).</b>	<p><b>Complied.</b></p> <p>Mining operations are being carried out as per mining plan by abiding all the mining rules and DGMS guidelines issued time to time and will continue to be carried out accordingly.</p>
iii)	<b>No mining shall be carried out in the forest land without obtaining Forestry clearance as per Forest (Conservation) Act, 1980</b>	<p><b>Not applicable.</b></p> <p>No Forest land involved in the mine lease area of this project.</p>
iv)	<b>Efforts should be made to reduce energy consumption by conservation, efficiency, improvements and use of renewable energy.</b>	<p><b>Complied.</b></p> <p>All efforts are being made to reduce energy and fuel consumption by energy conservation &amp; making improvement in efficiency and use of renewable energy such as:</p> <ol style="list-style-type: none"> <li>1. A rooftop solar system of 80 KW has been installed at Nagpur Area HQ of- fice building &amp; residential buildings.</li> </ol>

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K. S. Sanyal

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		<p>2. For improvement in energy efficiency, all light bulbs are replaced by LED bulbs.</p> <p>3. 70 KW roof top solar power plant installed at J N Hospital, Kamptee.</p> <p><b>(Annex-28, Solar power plant photo)</b></p> <p>Details are as below:</p> <ol style="list-style-type: none"> <li>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.</li> <li>2) Time to time calibrations of the power consuming equipments to make them more energy efficient.</li> <li>3) Monitor power quality and reliability to improve stability and minimize unplanned downtime.</li> <li>4) Promoting the benefits of energy efficiency.</li> <li>5) Energy audits conducted once every few years by external consultants.</li> <li>6) Switching to LED bulbs in the mass tower.</li> </ol>
<p><b>(f) Land reclamation</b></p>		
<p>i)</p>	<p><b>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).</b></p>	<p><b>Complied.</b></p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out once in three years. The said mine started operation in Nov 2020 and latest digital survey report of the entire lease hold area has been done for FY 2020-21. The said work is executed by the Central Mine Planning and Design Institute (CMPDI), Ranchi and reports for all the mines are available on WCL Company's website <a href="http://www.westerncoal.in/index1.php/StaticPage/151">www.westerncoal.in/index1.php/StaticPage/151</a></p>

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 Adasa Mine, Nagpur



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(Annex-29, Latest report, Digital survey uploaded on Company's Website)

The reports are submitted to Regional Office of Ministry of Environment, Forest and Climate Change and the same are uploaded onto the company's website link-

<http://www.westerncoal.in/index1.php/StaticPage/155>.

ii) **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 top soil, 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.**

**Noted & will be complied with due course of time.**

As per the approved mining plan, mine closure plan and Addendum EIA/EMP, total final mine void would be in 139.55 ha with depth of 114 m against the total quarry area is 287.58 ha. Backfilling will be made in quarry area of 148.03 ha and will be reclaimed with plantation. Final mine void will be in 139.55 ha land with maximum depth 114 m & will be covered into water body. The Project has one no. of internal dump in an area of 148.03 ha (reclaimed with plantation with maximum height of 30 m above ground level and quantity of 116.19 Mm<sup>3</sup> of OB. One external OB dump is envisaged in an area of 85.0 ha and height 90 m above ground level and quantity of 29.54 Mm<sup>3</sup> of OB. Life of mine is 18 Years.

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. 323203800000465 at Union bank, Gandhi Bagh Nagpur. The total fund available in account as on date is Rs. 13,91,26,062.00 as on 31.03.2024.

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		<p><b>(Annex-30, Escrow account details)</b></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><b>Complied.</b></p> <p>The excavation, external OB dumping, plantation etc. is being carried out as per the approved Mining Plan in conformity with the submitted mining land use plans &amp; EIA-EMP submitted to MOEF&amp;CC.</p> <p>Six monthly EC compliance is regularly submitted to Ministry of Environment, Forest &amp; Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p><b>(Annex-24, Email submission of six monthly report)</b></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) 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&amp;CC, CPCB and SPCB</p>	<p><b>PP has consented to condition.</b></p> <p>PP has noted for compliance with due course of time.</p> <p>Stowing is not applicable in Opencast coal mines.</p>

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<p>v)</p>	<p><b>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 top soil shall be used for land reclamation and plantation purpose. Active OB dumps shall be stabilised 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.</b></p>	<p><b>Complied.</b></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 &amp; Topsoil dumps is enclosed.</p> <p><b>(Annex-11_Copy of mine plan).</b></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>
<p>vi)</p>	<p><b>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</b></p>	<p><b>Not applicable.</b></p> <p>As no grazing land is involved in the project area.</p>

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	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.	<p><b>Not Applicable on project.</b></p> <p>No endangered / endemic flora / fauna has spotted, so far.</p>								
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><b>Compliance in progress.</b></p> <p>Thick green belt of adequate width at the final boundary in the down wind direction of the project site will be developed to mitigate/check the dust pollution in the FY 2025-26 and it will be ensured that no shrubs/bushes shall be planted and only trees of native species will be planted.</p> <p>However, it is to be mentioned here that, at present, PP has planted total 12,500 nos. of plantation with 4 years maintenance by a government agency along the coal transportation roads (10,000 nos.) and safety zone (02,500 nos.) of the mine to arrest the coal dust during Coal transportation.</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>2012-13</td> <td>2,500</td> <td>Plain land near Manager office</td> <td>Mix of medicinal, fruiting, orname</td> </tr> </tbody> </table>	Year	No. of saplings planted	Location	Species planted	2012-13	2,500	Plain land near Manager office	Mix of medicinal, fruiting, orname
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Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

खान प्रबंधक  
Colliery Manager  
आदासा खान



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		2020-21	10,000	Plain land near mine boundary and Coal transportation roads	ntal native species etc.
			12,500		
<b>(h) Public hearing and Human health issues.</b>					
<b>i)</b>	<b>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 &amp; it's RO on six – monthly basis.</b>	<b>Complied.</b> Illumination has been maintained as per new CMR guidelines. Latest illumination report attached.  <b>(Annex-13, Latest illumination report)</b>			
<b>ii)</b>	<b>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's 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.</b>	<b>Complied.</b> 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.  Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.  At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise PME/IME details are attached.  <b>(Annex-5, IME/PME Report)</b>			

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सुनील प्रबोधक  
Colliery Manager  
आदासा खनि सायन

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<p>iii)</p>	<p><b>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.</b></p>	<p><b>Complied.</b></p> <p>Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work. Details for distribution of PPE kit in FY 21-22 is as follows:</p> <table border="1" data-bbox="768 573 1313 1129"> <thead> <tr> <th>Sr. no</th> <th>PPE Equipment</th> <th>Nos. Distributed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Helmet</td> <td>64</td> </tr> <tr> <td>2</td> <td>Masks</td> <td>109</td> </tr> <tr> <td>3</td> <td>Florescent jackets</td> <td>93</td> </tr> <tr> <td>4</td> <td>Life Jackets</td> <td>18</td> </tr> <tr> <td>5</td> <td>Water Bottle</td> <td>132</td> </tr> <tr> <td>6</td> <td>Mining Shoes</td> <td>104</td> </tr> <tr> <td>7</td> <td>Gum Boot</td> <td>96</td> </tr> </tbody> </table> <p>Safety awareness programme &amp; training are conducted regularly for personnel of the project.</p> <p><b>(Annex-31, PPE kit details)</b></p>	Sr. no	PPE Equipment	Nos. Distributed	1	Helmet	64	2	Masks	109	3	Florescent jackets	93	4	Life Jackets	18	5	Water Bottle	132	6	Mining Shoes	104	7	Gum Boot	96
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<p>iv)</p>	<p><b>Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&amp;R policy of the company / State Government / Central</b></p>	<p><b>Complied.</b></p> <p>The issues raised during the public hearing are being properly addressed. Land oustees has being compensated and employment has been given to all the eligible persons as per R&amp;R policy. All the guidelines will be adhered from time to time framed by Government body in future.</p> <p>Details up to March 2024.</p> <p>I. Employment – 70 nos. II. Monetary Compensation given to – 10 nos.</p>																								



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

		<p>III. Land compensation paid - 37.81 crores</p> <p>IV. Land outsees has been compensated as per the norms laid down in the R&amp;R policy of the company.</p> <p>V. Tenancy land compensation- 181 Ha (as per MSGR 2012)- is Rs. 37.81Cr.</p> <p>VI. Land compensation given for 39.87 Ha Govt land -Rs. 12.74 Cr.</p>
<p>v)</p>	<p><b>The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (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.</b></p>	<p><b>PP is consented to comply with the condition.</b></p> <p>At present, habitation and two villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p><b>(Annex- 11, Copy of Plan)</b></p> <p>But, as per the approved mining plan and EIA/EMP of the project, there is a separate provision for rehabilitation and resettlement of both villages in an area of 30.00 ha.</p> <p>Further, and as the mine is recently opened and rehabilitation and resettlement is under process in consultation with local bodies/authorities, which is a time consuming process.</p> <p>The details of rehabilitation and resettlement of both villages in an area of 30.00 ha is attached.</p> <p><b>(Annex-12, Details of rehabilitation and resettlement)</b></p>
<p><b>(i) Corporate Environment Responsibility</b></p>		

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

i)	<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><b>Complied.</b></p> <p>The Coal India Limited Corporate Environment Policy 2023 duly followed by WCL is attached.</p> <p><b>(Annex-32, CIL Corporate Environment Policy 2023)</b></p>
ii)	<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><b>Complied.</b></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), &amp; 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  <a href="http://www.westerncoal.in/index1.php/StaticPage/123">http://www.westerncoal.in/index1.php/StaticPage/123</a>.</p>



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		<b>(Annex-33, Organizational Chart of the Company)</b>
iii)	<b>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.</b>	<p><b>Complied.</b></p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose.</p> <p>A copy of the last three financial year environmental expenditure is attached.</p> <p><b>(Annex-34, Expenditure details)</b></p>
iv)	<b>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</b>	<p><b>PP has consented to condition.</b></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><b>(Annex-35, Internal monitoring of EC Compliance, Inspection Summary)</b></p> <p>Since, EC for this mine has been accorded in Feb 2020 and accordingly mine is eligible for third party environment audit after February 2023, which has been done by NEERI, Nagpur on dated</p>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

आत प्रबंधक 41/46  
Colliery Manager  
आदसा खान सारणी

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

		27.03.2023 in respect of the work order given by the WCL and ATR in respect of the interim report has been submitted and final report received.  <b>(Annex-36, Work order and report)</b>
(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 two 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.	<b>Complied.</b>  Advertisements are published in two Local News Papers:  1) HITVADA (English) dated 08.02.2020 2) PUNYA NAGRI (Marathi) dated 08.02.2020  <b>(Annex-37 &amp; 37.A, Newspaper Advertisement)</b>
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.	<b>Complied.</b>  A copy of the receiving from Gram Panchayat is attached.  <b>(Annex-38, EC receiving from Gram Panchayat)</b>
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.	<b>Complied.</b>  A copy of results of the monitored data has also been uploaded at link: <a href="http://www.westerncoal.in/index1.php/StaticPage/154">4http://www.westerncoal.in/index1.php/StaticPage/154</a>  <b>(Annex-39, EC copy uploaded on Company's website)</b>  Copy of EC has been uploaded on Company website at link- <a href="http://www.westerncoal.in/index1.php/StaticPage/155">http://www.westerncoal.in/index1.php/StaticPage/155</a>



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		(Annex-39.A, Compliance report uploaded on Company's website)
iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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><b>Complied.</b></p> <p>At present, Continuous ambient air quality monitoring station has been established in the core zone and further commissioning of another station in the buffer zone for monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> is likely to be completed latest by June 2024 as CAAQMS have been received and installation is under progress. Both monitoring stations has been established as per the location finalised/in consultation with the State Pollution Control Board. CAAQMS data is in the public domain on the following link <a href="http://www.westerncoal.in/index1.php/StaticPage/153">http://www.westerncoal.in/index1.php/StaticPage/153</a>.</p> <p><b>(Annex-16, CAAQMS photos)</b></p>
v)	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 and Climate at environment clearance portal.	<p><b>Complied.</b></p> <p>Timely submitted report covering letter and emails are enclosed.</p> <p><b>(Annex-40, Email copy with APCC letter)</b></p>
vi)	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. 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.	<p><b>PP is consented to comply with the condition.</b></p> <p>At present, habitation and two villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p><b>(Annex- 11, Copy of Plan)</b></p> <p>But, as per the approved mining plan and EIA/EMP of the project, there is a separate provision for rehabilitation</p>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

खाद्य प्रबंधक  
Colliery Manager  
आदारी खान रावने

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

		<p>and resettlement of both villages in an area of 30.00 ha.</p> <p>Further, and as the mine is recently opened and rehabilitation and resettlement is under process in consultation with local bodies/authorities, which is a time consuming process.</p> <p>The details of rehabilitation and resettlement of both villages in an area of 30.00 ha is attached.</p> <p><b>(Annex-12, Details of rehabilitation and resettlement)</b></p>
vii)	<p><b>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</b></p>	<p><b>Complied.</b></p> <p>The Environmental Statement for each financial year is filled online in Form-V before 30<sup>th</sup>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><b>(Annex-42, Environment statement).</b></p> <p>The audit statement is also uploaded on company website at link- <a href="http://www.westerncoal.in/index1.php/StaticPage/265">http://www.westerncoal.in/index1.php/StaticPage/265</a></p> <p><b>(Annex-41, Statement uploaded on Company's website).</b></p>
viii)	<p><b>The project authorities shall inform to the Regional Office of the</b></p>	<p><b>Complied.</b></p>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

खास प्रबंधक  
Colliery Manager  
आदासा खानसाज



A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

	<b>MOEFCC regarding commencement of mining operations.</b>	PP informed to the IRO, MoEF&CC, Nagpur with the submission of Six-monthly report regarding commencement of project.
ix)	<b>The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.</b>	<b>Complied.</b> Consent to Establish and Operate has been obtained from Maharashtra Pollution Control Board, Mumbai by PP and attached as <b>(Annex-1.A, CTO)</b> <b>(Annex-1.B, CTE)</b>
x)	<b>The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.</b>	<b>PP is consented to comply with this condition.</b>
xi)	<b>No further expansion or modifications in the plant shall be carried out without prior approval of the-Ministry of Environment, Forests and Climate Change</b>	<b>PP is consented to comply with this condition.</b>
xii)	<b>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.</b>	<b>PP is consented to comply with this condition.</b>
xiii)	<b>The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</b>	<b>PP is consented to comply with this condition.</b>
xiv)	<b>The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a</b>	<b>PP is consented to comply with this condition.</b>

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.

रवि प्रद्वंधक  
Colliery Manager  
आदासा खान साइट  
Mining Section

A report on the status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/387/2015-IA. II(M) Pt. dated 03.02.2020 for Adasa Underground to Opencast mine with expansion production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra State under M/s Western Coalfields Limited, Nagpur Area-reg.

	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 there qui site data/information/monitoring reports.	PP is consented to comply with this 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 Transboundary 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 is consented to comply with this condition.

Submitted for kind consideration, please.

  
(S. N Prasad)

Dy. G.M. (Mining)/ Mine Manager,  
Adasa Underground to Opencast Coal Mine  
Project under Saoner Sub Area,  
M/s Western Coalfields Limited,  
Nagpur Area, Nagpur

  
(Mithilesh Kumar Singh)

Dy. General Manager (Mining)/ Sub Area Manager,  
Saoner Sub Area, M/s. Western Coalfields Limited,  
Nagpur Area-Nagpur

Environment Clearance Compliance status report for Adasa Underground to Opencast mine with expansion of production capacity from 0.50 MTPA to 1.50 MTPA (Normative) & 1.85 MTPA (peak) and increase in land area from 221 ha to 594.41 ha located in Adasa village, Nagpur district in Maharashtra.