

**WESTERN COALFIELDS LIMITED  
(MINIRATNA COMPANY)**

**SIX MONTHLY ENVIRONMENTAL  
COMPLIANCE REPORT  
(From 01/04/2022 to 30/09/2022)**

*IN RESPECT OF*

**MURPAR UNDER GROUND  
PROJECT**

**MURPAR SUB AREA  
UMRER AREA**

## Compliance of Environmental Clearance conditions in respect of Murpar UG Project of WCL as on 30/09/2022

Ref: MOEF Environment Clearance Letter No. J-11015/25/2001-IA. II (M) dated  
23/01/2018 and Amendment in EC vide Letter no: J-11015/25/2001-IA.II (M) dated  
17.07.2018

### A. Specific Conditions:

S.No	Compliance Condition	Status
i.	The project proponent shall obtain consent to establish from the Maharashtra pollution control board for the proposed capacity of 0.28 MTPA prior to commencement of the production.	<p><b>Complied.</b> Environmental Clearance was secured from MoEF&amp; CC vide its letter no. J-11015/25/2001-1A. II (M) dated 23/01/2018 for capacity of 0.28 MTPA and Amendment in EC vide Letter no: J-11015/25/2001-IA.II(M) dated 17.07.2018 (Copy enclosed as Annexure: I).</p> <p>Consent to Establish was obtained from the Maharashtra Pollution Control Board for the enhanced capacity of 0.28 MTPA vide consent no. BO/ JD (APC)/ TB-2/UAN No-38469/R/CC-1901002000 dtd.28.01.2019 (Copy of CTE and Minutes of 6<sup>th</sup> CC meeting enclosed as Annexure-II).</p> <p>Consent to Operate for the same was obtained from MPCB vide letter no BO/ JD (APC)/ TB-2/UAN No-38469/ R/ CC1901001995 dated 28/01/2019 and consent was renewed on 22/07/2022 vide letter No. Format1.0/APAE Section/ UAN No.0000124453/ CO/ 2207001172 which is valid up to 31/12/2024. (Copy enclosed as Annexure: III).</p>
ii.	Transportation of coal from face to surface shall be carried out through conveyor belt and then to TPP through tarpaulin covered trucks by road/rail.	<p><b>Not applicable.</b> Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of discontinuation submitted to DGMS.</p> <p>Till 17/08/2022, Coal brought from mine face to surface through conveyor belt installed in the incline. This coal was then loaded on trucks with the help of payloader. All tippers/trucks deployed for coal transportation are covered with tarpaulin while transporting coal.</p>
iii.	Sufficient coal pillars shall be left un-extracted around the air shaft (within the subsidence influence area) to protect from any damage from subsidence, if any.	<p><b>Not applicable.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of discontinuation submitted to DGMS.</p>

iv.	Solid barrier shall be left below the roads falling within the block to avoid any damage to the roads and no depillaring operation shall be carried out.	<b>Not applicable.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of discontinuation submitted to DGMS.
v.	Depression due to subsidence resulting in water accumulating within the low laying areas shall be filled up or drained out by cutting drains	<b>Not applicable.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of discontinuation submitted to DGMS.
vi.	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings should be continued till movement cases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures should be taken to avoid loss of life and materials. Cracks should be effectively plugged with ballast and clay soil/suitable materials.	<b>Not applicable.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of discontinuation submitted to DGMS.
vii.	Garland surface drains (size, gradient and length) around the safety areas such as mine shaft and low laying areas and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rain fall and maximum discharge in the area adjoining the mine sites. Sump capacity should also provide adequate retention period to allow proper setting of silt material. Sufficient number of pumps of adequate capacity shall be deployed to pump out mine water during peak rain fall.	<b>Complied.</b> Garland surface drains are provided considering adequate safety margin. Water from all the areas (underground) of the mine is collected in underground sump, where sufficient retention time is being provided for the settling of solids. 5 nos of Sumps are provided. The sump capacity is sufficient for mine water more than peak discharge. Water from underground sump is pumped to surface and further treated in MDTP.
viii.	The company shall obtain approval of CGWA for use of groundwater for mining operations, if applicable	<b>Complied.</b> NOC from CGWA has been secured for abstracting / dewatering of Ground Water (NOC No. CGWA/ NOC/ MIN/ ORIG/2022/14563) which is valid up to 14/02/2024. Copy Enclosed as Annexure-IV.
ix.	Mitigative measures to be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient numbers of water sprinklers.	<b>Complied.</b> Strata of Murpar UG mine is watery. The coal coming out from U/G through belt conveyor is fully wet. The only coal loading facility provided is at coal handling plant with 2 nos. of bunkers having 100 tonne capacity each. No crushing and grinding operations are being carried out at the mine site.

		<p>Hence chances of dust pollution are negligible. However, water sprinkling arrangements have been provided consisting of 11 fixed sprinklers and 03 rain guns at coal loading yard and along the coal transportation road.</p> <p>All trucks engaged for coal transportation are covered with tarpaulin.</p>																													
x.	Continues monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	<p><b>Being complied.</b></p> <p>For surveillance of occupational health among workers periodic medical examination is done for every employee once in three years as per statute. Details of IME/PME done in last 8 years is given below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th><th colspan="2">IME/PME</th></tr> <tr> <th>Target</th><th>Achieved</th></tr> </thead> <tbody> <tr><td>2015</td><td>112</td><td>145</td></tr> <tr><td>2016</td><td>120</td><td>128</td></tr> <tr><td>2017</td><td>145</td><td>164</td></tr> <tr><td>2018</td><td>150</td><td>170</td></tr> <tr><td>2019</td><td>108</td><td>114</td></tr> <tr><td>2020</td><td>146</td><td>66</td></tr> <tr><td>2021</td><td>148</td><td>154</td></tr> <tr><td>2022</td><td>94</td><td>103</td></tr> </tbody> </table> <p>Copy of medical examination report certificate is enclosed for reference as Annexure-V.</p>	Year	IME/PME		Target	Achieved	2015	112	145	2016	120	128	2017	145	164	2018	150	170	2019	108	114	2020	146	66	2021	148	154	2022	94	103
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### **B. General Conditions:**

Sl.No	Compliance Condition	Status
(a)	<b>Mining</b>	
i.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there– under as applicable	<p><b>Agreed.</b></p> <p>Mining is being carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there– under as applicable</p>
ii.	No change in mining method i.e UG to OC, Calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	<p><b>Agreed.</b></p> <p>Murpar Mine is an Under Ground mine and method of mining is Semi-mechanised Board &amp; Pillar method. There has been no change in scope of work and production programme beyond EC.</p> <p>No change in technology, mining method, calendar programme and scope of working will be made without prior approval of the MOEF&amp;CC.</p>
iii.	Mining shall be carried out as per the approved mining plan (Including mine closure plan) abiding by mining laws related to	<p><b>Agreed.</b></p> <p>Mining is carried out as per the provisions outlined in approved mining plan. All the precautions that have been laid in CMR, 1957 under the Mines Act, 1952 and the conditions</p>

	coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	imposed by DGMS on various operations are being followed strictly without any deviation.
iv.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standard.	<p><b>Complied.</b> Adequate ventilation and lighting arrangements are provided in mine locations to meet DGMS standards. Lighting arrangements are monitored regularly by lux meter.</p> <p>Details of Underground ventilation is demarcated in plan and enclosed as Plate-I.</p>
v.	No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian forest act, 1927.	<p><b>Complied.</b> FC has been obtained for 680.78 ha of forest land vide F.no.8-35/2000-FC dated 01/06/2001. Total 248 ha of forest land is involved in existing Murpar UG mine. There is no additional forest land required in Phase -I of Murpar Expansion UG Mine. (Copy of FC enclosed as Annexure- VI).</p> <p>Surface plan of Murpar UG is enclosed as plate-II.</p>
<b>(b)</b>	<b>Land Management and Water Conservation</b>	
i.	Digital survey of the 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 shall be submitted to Ministry of Environment, Forest and Climate Change/ Regional Office (RO).	<p><b>Complied.</b> Digital mapping of the entire coalfield based on satellite data is done regularly once in 3 years and the same is submitted Ministry of Environment, Forest and Climate Change on regular basis.</p> <p>Report on Land Use/Vegetation cover mapping of Bandar Coalfield based on Satellite data is enclosed as annexure and same is uploaded on Company's website (<a href="http://www.westerncoal.in/sites/default/files/userfiles/BANDER_CF_2019.pdf">http://www.westerncoal.in/sites/default/files/userfiles/BANDER_CF_2019.pdf</a>). Copy enclosed as Annexure-VII.</p>
ii.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/ rivulet/ pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned	<p><b>Complied.</b> The surface drainage plan considering the presence of water bodies is prepared and implemented.</p> <p>In Murpar UG mine, no danger from surface inrush of water. no embankment is needed because there is only one seasonal nallah (Khurda nallah) which is about 3 km away from the incline mouth. HFL of Khurda nallah is 244.886 m. RL of the inclines are 255.789 m and 255.410. RL of air shaft is 255.405. All provision regarding inrush of surface water stipulated in Coal Mines Regulations 2017 have been complied.</p> <p>Surface drainage plan is enclosed as Plate-III.</p>

	State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.	
iii.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparations of Mine Closure Plan, issued by the Ministry of Coal dated 27 <sup>th</sup> August, 2009 and subsequent amendments.	<p><b>Agreed.</b> The land after mining will be reclaimed as per the Mine Closure Plan which is approved by WCL Board and included along with EMP.</p> <p>Mine Closure Plan was approved by the WCL Board on 10/11/2017 and an Escrow account have been opened with A/c no. 08973161002614 at the Oriental Bank of Commerce, Jaripataka Branch, Nagpur. The total corpus amounts available in the account as on 31/03/2022 is 2,93,27,590.3 INR (Including Principal and interest). Copy of approved mine closure plan is enclosed as Annexure-VIII.</p>
iv.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.	<p><b>Not applicable.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of discontinuation submitted to DGMS.</p>
v.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continues monitoring & implementation of mitigation measures be carried out.	Noted for compliance.
vi.	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	<p><b>Being complied.</b> During monsoon, inspection of the mine lease area is being carried out regularly.</p>

vii.	Native tree species be selected and planted over areas affected by subsidence.	Noted for compliance.																																									
(c)	<b>Emissions, Effluents, and Waste Disposal</b>																																										
i.	Transporting of coal, to the extent permitted by road, shall be carried out by covered trucks/ conveyors. Effective control measures such as regular water sprinkling/ rain gun/ mist sprinkling etc. shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/ State Pollution Control Board.	<p><b>Being complied.</b></p> <p>This is an underground mine, coal extraction operations are carrying out below ground. Coal coming out of the mine through conveyor belt is wet.</p> <p>Only source of fugitive dust emission is coal transportation at surface which is being controlled through 11 Nos. fixed water sprinklers from weigh bridge to SAM office and 03 Nos. rain guns at coal stock yard.</p> <p>Four nos. of ambient air quality monitoring stations have been established in consultation with MPCB Officials. considering meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows:</p> <ul style="list-style-type: none"><li>• Near Pit Office</li><li>• Near Magazine Building</li><li>• Colony</li><li>• Murpar Village</li></ul> <p>Maximum and minimum concentration of parameters (SPM, PM10, NOX, SOX and PM2.5) as per Environmental monitoring report (from April 22 to Sep'22) is as follows:</p> <table><tr><th rowspan="2">Parameters</th><th rowspan="2">Permissible limit</th><th colspan="2">Concentration (24 hourly values in µg/m<sup>3</sup>)</th></tr><tr><th>Min</th><th>Max</th></tr><tr><td rowspan="2">SPM</td><td>600</td><td>221</td><td>317</td></tr><tr><td>-</td><td>104</td><td>167</td></tr><tr><td rowspan="2">PM<sub>10</sub></td><td>300</td><td>143</td><td>218</td></tr><tr><td>100</td><td>56</td><td>89</td></tr><tr><td rowspan="2">PM<sub>2.5</sub></td><td>-</td><td>32</td><td>62</td></tr><tr><td>60</td><td>18</td><td>36</td></tr><tr><td rowspan="2">NO<sub>x</sub></td><td>120</td><td>11</td><td>26</td></tr><tr><td>80</td><td>11</td><td>15</td></tr><tr><td rowspan="2">SO<sub>x</sub></td><td>120</td><td>BDL</td><td>14</td></tr><tr><td>80</td><td colspan="2">BDL</td></tr></table> <p>The monitoring of ambient air quality in the mine area is carried out fortnightly basis &amp; reports are submitted regularly to MoEF &amp; CC. Copy of the monitoring report is enclosed as Annexure-IX.</p>	Parameters	Permissible limit	Concentration (24 hourly values in µg/m <sup>3</sup> )		Min	Max	SPM	600	221	317	-	104	167	PM <sub>10</sub>	300	143	218	100	56	89	PM <sub>2.5</sub>	-	32	62	60	18	36	NO <sub>x</sub>	120	11	26	80	11	15	SO <sub>x</sub>	120	BDL	14	80	BDL	
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ii.	Major approach roads shall be black topped and properly maintained.	<b>Complied.</b>  The entire length of 7.5 Kms. of Coal transportation roads has been already black topped.
iii.	Greenbelt, consisting of three-tier plantation, of width not less than 7.5m, shall be developed all along the mine lease area in a phased manner. The green belt comprising of a mix of native species shall be developed all along the major approach roads/ coal transportation roads.	<b>Complied.</b> WCL, Murpar project has deposited Rs. 77,74,068/- on 25.10.2012 for gap plantation and cattle proof trench to Bramhapuri Forest Division. Tree plantation 61125 Nos. on 75.00 ha. Vacant land (condition 2-c of Forest Clearance no. 8-35/2000-FC, dt. 01.06.2001) (gap plantation in forest) has been done by forest department.
iv.	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed and construct a bypass road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.	<b>Complied.</b>  The transportation of coal is being carried out as per the provisions and route proposed in the approved mining plan.
v.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining "PUC" certificate from the authorized pollution testing centers.	<b>Complied.</b> PUC certificates are obtained for the vehicles engaged in mining and allied activities. (Copy of PUC certificate is enclosed for reference as Annexure- X)
vi.	Coal stock pile/ coal crusher/ feeder breaker, transfer points shall invariably be provide with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust.	<b>Complied.</b> Strata of Murpar UG mine is watery. The coal coming out from U/G through belt conveyor is fully wet. The only coal loading facility provided with 2 nos. of bunkers having 100 tonne capacity each. No crushing and grinding operations are being carried out at the mine site. Hence chances of dust pollution are negligible. However, water sprinkling arrangements have been provided consisting of 11 fixed sprinklers and 03 rain guns at coal loading yard and along the coal transportation road.
vii.	Coal Handling Plant shall be operated with measures viz. bag filters/ water or mist sprinkling system etc. to control fugitive emissions from crushing operations, conveyor system, transfer points, etc.	<b>Complied.</b> Mine is having only coal loading facility with 2 bunkers of 100 Tonne capacity each. No crushing operations are being carried out. Water sprinkling arrangements have been provided consisting of 11 fixed sprinklers and 03 rain guns at coal loading yard and along the coal transportation road.



viii.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any change of mine inundation.	There are no major channels around the project area.													
ix.	Garland drains (of suitable size, gradient and length) around the critical areas i.e mine shaft and low lying areas, shall be designed keeping at least 50% safely margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate	<b>Complied.</b> Garland surface drains are provided considering adequate safety margin. Water from all the areas (underground) of the mine is collected in underground sump, where sufficient retention time is being provided for the settling of solids. 5 nos of Sumps are provided. The sump capacity is sufficient for mine water more than peak discharge. Water from underground sump is pumped to surface and further treated in MDTP.													
x.	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.	<b>Complied.</b> Mine discharge water is treated through Mine Discharge Treatment Plant (MDTP) of 5.0 MLD capacity. Treated water is supplied for agricultural purpose and balance water goes to Murpar village pond which is used by villagers. A part of this treated water is recycled & reused within the mine for dust suppression and gardening etc. 02 Nos of Sedimentation tanks are also provided in mine premises to treat the mine discharge water.													
xi.	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under Environment (Protection) Act, 1986 and the rules made there under, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.	<b>Being complied.</b> In this UG mine, industrial wastewater comprises of only water from the strata which is pumped out. Pumped out mine water is treated through MDTP of 5.0 MLD capacity and 02 nos of sedimentation tanks situated in mine premises. The quality of mine pumped out water is monitored fortnightly basis as per GSR 742(E) of dated 25-05-2000. Maximum and minimum concentration of Water parameters as per Environmental monitoring report (from April '21 to Sep' 22) is as follows:													
		<table><tr><th rowspan="2">Parameters</th><th colspan="3">Concentration (mg/L)</th></tr><tr><th>Permissible Limit</th><th>Min</th><th>Max</th></tr><tr><td>pH</td><td>5.5 to 9.0</td><td>7.52</td><td>8.06</td></tr></table>			Parameters	Concentration (mg/L)			Permissible Limit	Min	Max	pH	5.5 to 9.0	7.52	8.06
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xii.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	Mine discharge water is treated through Mine Discharge Treatment Plant (MDTP) of 5.0 MLD capacity. Treated water is supplied for agricultural purpose and balance water goes to Murpar village pond which is used by villagers.																								
(d)	<b>Illumination, Noise &amp; Vibration Control</b>																									
i.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	<b>Complied.</b> Adequate lighting arrangements are provided in mine locations to meet DGMS standards. These are monitored regularly by lux meter.																								
ii.	Adequate measures shall be taken for control of noise levels below 85 dB (A) in the work environment. Workers engaged in underground mining operations, operation of HEMM, etc. shall be provided with personal protective equipments (PPE) like ear plugs/ muffs in conformity with the prescribed norms/ guidelines in this regard. Progress in usage of such accessories to be monitored. Adequate awareness programme for users to be conducted.	<b>Being complied.</b> Noise pollution control measures are being implemented. Personnel working in operating mine are being provided with PPE like Ear plugs/ muffs. <table><tr><th>Year</th><th>Ear Plugs/muffs issued</th></tr><tr><td>2015</td><td>80</td></tr><tr><td>2016</td><td>25</td></tr><tr><td>2017</td><td>50</td></tr><tr><td>2018</td><td>-</td></tr><tr><td>2019</td><td>100</td></tr><tr><td>2020</td><td>-</td></tr><tr><td>2021</td><td>25</td></tr><tr><td>2022</td><td>28</td></tr></table>		Year	Ear Plugs/muffs issued	2015	80	2016	25	2017	50	2018	-	2019	100	2020	-	2021	25	2022	28					
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iii.	The noise level survey shall be carried out as per prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises and report on the same shall be submitted to this Ministry/ RO on six-monthly basis.	<b>Being complied.</b> Noise level monitoring station is established at Murpar Colony and Near Fan House. Day time & night time noise level data are monitored fortnightly by CMPDIL as per Env. (protection) Amendment Rule,2000. Report of the same is being submitted to MoEF&CC on six-monthly basis. Noise level, as per Environmental monitoring report (from April '22 to Sep'22) is as follows: <table><tr><th rowspan="2">Time</th><th colspan="3">Noise Level in dB(A)</th></tr><tr><th>Permissible Limit</th><th>Min</th><th>Max</th></tr><tr><td colspan="4">Fan House</td></tr><tr><td>Day Time</td><td>75</td><td>68.9</td><td>72.3</td></tr><tr><td>Night Time</td><td>70</td><td>67.4</td><td>71.8</td></tr><tr><td colspan="4">Colony</td></tr></table>		Time	Noise Level in dB(A)			Permissible Limit	Min	Max	Fan House				Day Time	75	68.9	72.3	Night Time	70	67.4	71.8	Colony			
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Day Time	55	42.2	44.4							
Night Time	45	41.3	43.6							
(e)	<b>Occupational Health &amp; Safety</b>									
i.	<p>The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any.</p>	<p><b>Being complied.</b></p> <p>Periodical Medical Examination (PME) is carried out compulsorily for each employee once in three year with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.</p> <p>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.</p> <p>In case some abnormality is detected during the course of the above examination further investigations are carried out as required.</p> <p>When a person is diagnosed with a certain disease, he/ she is referred to the concerned specialist for confirmation and initiation of treatment.</p> <p>If, on radiological examination, a person is suspected to be having Coal Worker's Pneumoconiosis he is referred to WCL Pneumoconiosis Board. There is a team of specialist trained in Pneumoconiosis, examine him and comes to a conclusion as to whether he suffers from Coal Worker's Pneumoconiosis or not, compensation to be paid and his fitness for continuing his job. In suitable cases, as per the recommendation of the Apex Medical Board, there is provision for change of job.</p> <p>Various national and International Days are observed to increase awareness and educate general population (e.g. No Tobacco Day/ No Smoking Day, World AIDS day, World Breast Feeding Week etc.).</p> <p>Regular Family Welfare (L.T.T.) Camps organized with the help of State Govt. Full Co-operation is extended to State Govt. for Pulse Polio immunization. Medical facilities are being extended to non-employees in all sorts of acute emergencies.</p> <p>The details of the set up at Umrer Area Hospital are as follows:</p> <ul style="list-style-type: none"><li>•Periodical Medical Examination (PME) Centres: 1 (Occupational Health Centres)</li><li>•No. of Doctor engaged in Periodical Medical Examination: 3</li><li>•No. of Doctor trained in Periodical Medical Examination: 2</li><li>•No. of X-Ray machines (500 mA): 1</li><li>•No. of Audiometer units: 1</li><li>•No. of Spirometer units: 1</li><li>•No. of pathology Labs: 1</li></ul>								

		<ul style="list-style-type: none"><li>•No. of X-Ray Technicians: 1</li><li>•No. of Laboratory Technicians: 3</li><li>•No of ECG Technicians:2</li></ul> <p>As per the Statute/ DGMS guidelines, all the workers are examined once in 3 years.</p> <p>As seen from the above details that Area Hospital, Umrer Area, WCL is having all the infrastructural facilities to comply fully all the statutory obligations regarding occupational health survey of all its employees.</p> <p>Details of IME/PME done in last 8 years is given below:</p> <table><tr><th rowspan="2">Year</th><th colspan="2">IME/PME</th></tr><tr><th>Target</th><th>Achieved</th></tr><tr><td>2015</td><td>112</td><td>145</td></tr><tr><td>2016</td><td>120</td><td>128</td></tr><tr><td>2017</td><td>145</td><td>164</td></tr><tr><td>2018</td><td>150</td><td>170</td></tr><tr><td>2019</td><td>108</td><td>114</td></tr><tr><td>2020</td><td>146</td><td>66</td></tr><tr><td>2021</td><td>148</td><td>97</td></tr><tr><td>2022</td><td>94</td><td>103</td></tr></table> <p>Copy of medical examination report is enclosed as Annexure-V.</p>	Year	IME/PME		Target	Achieved	2015	112	145	2016	120	128	2017	145	164	2018	150	170	2019	108	114	2020	146	66	2021	148	97	2022	94	103																												
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ii.	Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	<p><b>Being complied.</b></p> <p>Persons exposed to dusty areas are provided with protective gears like dust masks with goggles.</p> <p>Numbers of dust masks with goggles issued in last 8 years are given below:</p> <table><tr><th>Year</th><th>Dust Mask issued</th><th>Safety Goggles issued</th></tr><tr><td>2022</td><td>34</td><td>12</td></tr><tr><td>2021</td><td>27</td><td>12</td></tr><tr><td>2020</td><td>750</td><td>06</td></tr><tr><td>2019</td><td>50</td><td>10</td></tr><tr><td>2018</td><td>150</td><td>04</td></tr><tr><td>2017</td><td>50</td><td>10</td></tr><tr><td>2016</td><td>25</td><td>-</td></tr><tr><td>2015</td><td>40</td><td>-</td></tr></table> <p>As per statute all personnel working in mines are given training for safety and health aspects.</p> <p>Number of persons given training in last 8 years are given below:</p> <p>(VTR: Vocational Training Rule)</p> <table><tr><th>Year</th><th>Refresher</th><th>VTR-12</th><th>VTR-13</th><th>VTR-17</th><th>Special Training</th></tr><tr><td>2015</td><td>83</td><td>6</td><td>7</td><td>10</td><td>37</td></tr><tr><td>2016</td><td>91</td><td>8</td><td>5</td><td>11</td><td>10</td></tr><tr><td>2017</td><td>86</td><td>6</td><td>5</td><td>11</td><td>15</td></tr><tr><td>2018</td><td>85</td><td>15</td><td>15</td><td>6</td><td>11</td></tr></table>	Year	Dust Mask issued	Safety Goggles issued	2022	34	12	2021	27	12	2020	750	06	2019	50	10	2018	150	04	2017	50	10	2016	25	-	2015	40	-	Year	Refresher	VTR-12	VTR-13	VTR-17	Special Training	2015	83	6	7	10	37	2016	91	8	5	11	10	2017	86	6	5	11	15	2018	85	15	15	6	11
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iii.	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.	<p><b>Being complied.</b> Skill training as per safety norms specified by DGMS is given to all workmen to ensure high safety standards in mines. Number of persons given training in last 8 years are given below:</p> <p>(VTR: Vocational Training Rule)</p> <table><tr><th>Year</th><th>Refresher Training</th><th>VTR -12</th><th>VTR-13</th><th>VTR-17</th><th>Special Training</th></tr><tr><td>2015</td><td>83</td><td>6</td><td>7</td><td>10</td><td>37</td></tr><tr><td>2016</td><td>91</td><td>8</td><td>5</td><td>11</td><td>10</td></tr><tr><td>2017</td><td>86</td><td>6</td><td>5</td><td>11</td><td>15</td></tr><tr><td>2018</td><td>85</td><td>15</td><td>15</td><td>6</td><td>11</td></tr><tr><td>2019</td><td>114</td><td>8</td><td>11</td><td>11</td><td>35</td></tr><tr><td>2020</td><td>63</td><td>7</td><td>6</td><td>11</td><td>8</td></tr><tr><td>2021</td><td>78</td><td>08</td><td>12</td><td>18</td><td>17</td></tr><tr><td>2022</td><td>58</td><td>09</td><td>12</td><td>16</td><td>07</td></tr></table> <p>Certificates of Training are enclosed for reference as Annexure-XI.</p>	Year	Refresher Training	VTR -12	VTR-13	VTR-17	Special Training	2015	83	6	7	10	37	2016	91	8	5	11	10	2017	86	6	5	11	15	2018	85	15	15	6	11	2019	114	8	11	11	35	2020	63	7	6	11	8	2021	78	08	12	18	17	2022	58	09	12	16	07
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iv.	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	<p><b>Complied.</b> Drinking water facilities are provided at suitable points for all the persons employed. Periodic testing is done for the same. Copy of test report is attached as Annexure: XII.</p>																																																						
A	<b>Ecosystem and Biodiversity conservation</b>																																																							
i.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. Action plan, in this regard, if any shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	<p><b>Agreed.</b> As our mining activities are mainly confined to below ground, so practically there are no disturbances at the surface, however Project authority would be taking proper measure if required for conservation and protection of endangered flora/fauna, as per suggestions of local forest officials.</p>																																																						
(g)	<b>Public Hearing, R&amp;R &amp; CSR</b>																																																							
i.	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall	<p><b>Complied.</b> All the tasks as per the Action Plan submitted during the Public Hearing are complied with. 21 Nos. of land oustees have been fully compensated as per</p>																																																						

	undertake all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land oustees shall be compensated as per the norms laid out R&R Policy of the Company/ or the National R&R Policy/R&R Policy of the State Government, as applicable.	the norms laid out R&R Policy of the Company/ or the National R&R Policy/R&R Policy of the State Government. No. of Jobs given to 21 persons and Rs. 8,97,043.25 paid to land losers. ATR of Public hearing is enclosed as annexure-XIII.																										
ii.	The project proponent shall ensure that the expenditure towards, the socio-economic development in and around the mine, in every financial year is incurred in pursuance of the Corporate Social Responsibility as provisioned under Section 135 of the Components Act,2013.	<p><b>Being complied.</b></p> <p>The activities undertaken for the specific villages adopted under CSR are displayed on the company website and are updated accordingly.</p> <p>In every year area-wise detailed CSR plan is prepared after due consultation with local beneficiaries. Umrer Area has spent the following under CSR in last 12 years:</p> <table> <tr> <th>Year</th> <th>Rs. in lakhs</th> </tr> <tr><td>2021-22</td><td>46.84</td></tr> <tr><td>2020-21</td><td>53.17</td></tr> <tr><td>2019-20</td><td>64.80</td></tr> <tr><td>2018-19</td><td>12.01</td></tr> <tr><td>2017-18</td><td>15.84</td></tr> <tr><td>2016-17</td><td>6.09</td></tr> <tr><td>2015-16</td><td>8.46</td></tr> <tr><td>2014-15</td><td>39.98</td></tr> <tr><td>2013-14</td><td>216.88</td></tr> <tr><td>2012-13</td><td>152.98</td></tr> <tr><td>2011-12</td><td>85.80</td></tr> <tr><td>2010-11</td><td>49.59</td></tr> </table> <p>*CSR funds for the year 2015-16 and 2016-17 were diverted to Swaccha Bharat Abhiyan.</p> <p>The activities broadly include:</p> <ul style="list-style-type: none"> <li>• Construction of WBM and CC road at nearby villages</li> <li>• Construction of Well and Storage arrangement and pipe line for providing drinking water</li> <li>• Installation of RO plant at nearby villages and ZP schools.</li> <li>• Construction of Green Haat at village</li> <li>• Construction of Compound wall at ZP Schools.</li> <li>• Skill development training for nearby villagers.</li> </ul> <p>*CSR funds for the year 2015-16 and 2016-17 were diverted to Swaccha Bharat Abhiyan. Details Enclosed as Annexure-XIV.</p>	Year	Rs. in lakhs	2021-22	46.84	2020-21	53.17	2019-20	64.80	2018-19	12.01	2017-18	15.84	2016-17	6.09	2015-16	8.46	2014-15	39.98	2013-14	216.88	2012-13	152.98	2011-12	85.80	2010-11	49.59
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iii.	The project proponent shall	<b>Not applicable.</b>																										

	follow the mitigation measures provided in the Ministries OM No.Z-11013/5712014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	There is no village in the mine lease area or surrounded by the mine lease area. Nearest village i.e. Murpar village is approx. 1600 m away from the mine boundary.
iv.	The Project Proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent shall implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	<b>Not applicable.</b> There is no grazing land in the core zone of the project. So, there is no necessity of making alternate arrangement for livestock grazing.
<b>(h)</b>	<b>Corporate Environment Responsibility</b>	
i.	The Company shall have a well laid down Environment Policy duly approved by the Board of Directors. The Environment Policy should prescribe for standard operating procedures to have proper checks & balances and to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. The company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large.	<b>Complied.</b> Coal India Limited has framed an Environment Policy which is being complied with in all the mines. To deal with environmental issues and for ensuring compliance with environmental clearance conditions, At corporate level (at HQ), there is a fully fledged Environment Department which is headed by General Manager (Env.) with a multi-disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Tech), who is nominated owner of the company.  At Area level, the Environmental management cell is headed by Area General Manager, Umrer Area, assisted by Area Nodal Officer (Environment) Umrer Area, Project Officer/Sub Area Manager, Umrer Sub Area, Staff Officer (Civil), Umrer Area.  At Project level, it is headed by Sub-Area Manager, Umrer Sub Area and assisted by Mine Manager/Safety Officer, Umrer Sub Area, Survey Officer, Umrer Sub Area and Nodal Officer (Environment) of the project
ii.	The hierarchical system or Administrative Order of the company to deal with environmental issues and for	<b>Complied.</b> The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions is

	ensuring compliance with the environmental clearance conditions should be displayed on website of the Company.	displayed on company website <a href="http://www.westerncoal.in">www.westerncoal.in</a> .												
iii.	A separate environmental management cell, both at the project level and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	<p><b>Complied.</b></p> <p>The Environmental Management cell at corporate level is headed by GM (Env) and assisted by a multidisciplinary team of qualified and trained engineers under the control of Director (Tech.)</p> <p>At Area level, the cell is headed by Area General Manager, Umrer Area, assisted by Area Nodal Officer (Environment) Umrer Area, Project Officer/Sub Area Manager, Umrer Sub Area, Staff Officer (Civil), Umrer Area.</p> <p>At Project level, it is headed by Sub-Area Manager, Umrer Sub Area and assisted by Mine Manager/Safety Officer, Umrer Sub Area, Survey Officer, Umrer Sub Area and Nodal Officer (Environment) of the project.</p>												
iv.	Action plan for implementing the EMP and environmental clearance conditions shall be prepared and duly approved by the competent authority. Year-wise funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.	<p><b>Agreed.</b></p> <p>The funds earmarked for environment will not be diverted for other works. Expenditure incurred for major environmental management and monitoring works are given below:</p> <table border="1"> <thead> <tr> <th>Year</th><th>Name of work</th><th>Expenditure (Rs.)</th></tr> </thead> <tbody> <tr> <td>2016-17</td><td>Construction of 02 nos of sedimentation tanks for Murpar ug project</td><td>750206.00</td></tr> <tr> <td>2014-15</td><td>Providing and fixing 03 nos of rain guns at Coal Stock Yard of Murpar area</td><td>170742.00</td></tr> <tr> <td>2013-14</td><td>Dust suppression system (Fixed sprinklers) for coal transportation road from weigh bridge to sub area office</td><td>291166.00</td></tr> </tbody> </table>	Year	Name of work	Expenditure (Rs.)	2016-17	Construction of 02 nos of sedimentation tanks for Murpar ug project	750206.00	2014-15	Providing and fixing 03 nos of rain guns at Coal Stock Yard of Murpar area	170742.00	2013-14	Dust suppression system (Fixed sprinklers) for coal transportation road from weigh bridge to sub area office	291166.00
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v.	Self Environmental Audit shall be conducted annually. Every three years, a third party environmental audit shall be carried out for assessing the environmental performance.	<p><b>Complied.</b></p> <p>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 being put up to the subsidiary level apex committee which has been constituted under the chairmanship of Director (Technical), WCL.</p> <p>Every three years the third party assessment of EC compliance will be carried out.</p> <p>At present, third part assessment of EC compliance has been</p>												



		undertaken through CSIR-NEERI (Expert Agency identified by Ministry). The inspection has been carried out by CSIR-NEERI for assessment of EC compliance on 16.01.2021.
<b>(i)</b>	<b>Statutory Obligations</b>	
i.	Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law, from time to time, and as applicable to this project.	Noted
ii.	This Environmental Clearance is subject to obtaining wildlife Clearance, if applicable from the Standing Committee of National Board for Wildlife, as applicable to the project.	<b>Agreed.</b> As per gazette notification No: 2973 dated 11/09/2019 Murpar ug mine comes within the eco sensitive zone. Application for wildlife clearance is submitted to NBWL which is under process.
iii.	The Project Proponent shall obtain Consent to Establish/Operate under the Air (Prevention & Control Of Pollution) Act, 1981 and water (Prevention & Control Of Pollution) Act, 1974.	<b>Complied.</b> Consent to Establish was obtained from the Maharashtra Pollution Control Board for the enhanced capacity of 0.28 MTPA vide consent no. BO/ JD (APC)/ TB-2/UAN No-38469/R/CC-1901002000 dtd.28.01.2019 (Copy of CTE and Minutes of 6 <sup>th</sup> CC meeting enclosed as Annexure-II).  Consent to Operate for the same was obtained from MPCB vide letter no BO/ JD (APC)/ TB-2UAN No-38469/R/CC1901001995 dated 28/01/2019 and consent was renewed on 22/07/2022 vide letter No. Format1.0/APAE Section/ UAN No.0000124453/CO/2207001172 which is valid up to 31/12/2024. (Copy enclosed as Annexure: III).
iv.	The project proponent shall obtain necessary permission of the Central Ground Water Authority (CGWA).	<b>Complied.</b> NOC from CGWA has been secured for abstracting / dewatering of Ground Water (NOC No. CGWA/ NOC/ MIN/ ORIG/2022/14563) which is valid up to 14/02/2024. Copy Enclosed as Annexure-IV.
<b>(j)</b>	<b>Monitoring of Project</b>	
i.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO <sub>2</sub> , and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmental and ecologically sensitive receptors in consultation with the State	<b>Being complied.</b> Four nos. of ambient air quality monitoring stations have been established in consultation with MPCB Officials. considering meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows: <ul style="list-style-type: none"> <li>• Near Pit Office</li> <li>• Near Magazine Building</li> <li>• Colony</li> <li>• Murpar Village</li> </ul> Maximum and minimum concentration of parameters (SPM, PM <sub>10</sub> , NO <sub>x</sub> , SO <sub>x</sub> and PM <sub>2.5</sub> ) as per Environmental monitoring report (from

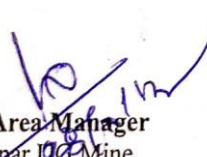
	<p>Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB.</p>	<p>April '22 to Sep'22) is as follows:</p> <table><tr><th rowspan="2">Parameters</th><th rowspan="2">Permissible limit</th><th colspan="2">Concentration (24 hourly values in <math>\mu\text{g}/\text{m}^3</math>)</th></tr><tr><th>Min</th><th>Max</th></tr><tr><td rowspan="2">SPM</td><td>600</td><td>221</td><td>317</td></tr><tr><td>-</td><td>104</td><td>167</td></tr><tr><td rowspan="2">PM<sub>10</sub></td><td>300</td><td>143</td><td>218</td></tr><tr><td>100</td><td>56</td><td>89</td></tr><tr><td rowspan="2">PM<sub>2.5</sub></td><td>-</td><td>32</td><td>62</td></tr><tr><td>60</td><td>18</td><td>36</td></tr><tr><td rowspan="2">NO<sub>x</sub></td><td>120</td><td>11</td><td>26</td></tr><tr><td>80</td><td>11</td><td>15</td></tr><tr><td rowspan="2">SO<sub>x</sub></td><td>120</td><td>BDL</td><td>14</td></tr><tr><td>80</td><td colspan="2">BDL</td></tr></table> <p>The monitoring of ambient air quality in the mine area is carried out fortnightly basis &amp; reports are submitted regularly to MoEF &amp; CC. Copy of the monitoring report is enclosed as Annexure-IX.</p> <p>Monitoring of heavy metals is being carried out once in six months by CMPDIL. Copy of heavy metal monitoring report is enclosed as Annexure – XV.</p>	Parameters	Permissible limit	Concentration (24 hourly values in $\mu\text{g}/\text{m}^3$ )		Min	Max	SPM	600	221	317	-	104	167	PM <sub>10</sub>	300	143	218	100	56	89	PM <sub>2.5</sub>	-	32	62	60	18	36	NO <sub>x</sub>	120	11	26	80	11	15	SO <sub>x</sub>	120	BDL	14	80	BDL	
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NO <sub>x</sub>	120	11	26																																								
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SO <sub>x</sub>	120	BDL	14																																								
	80	BDL																																									
ii.	<p>The Air Quality Monitoring in the core zone shall be carried out to ensure compliance of the coal industry standards noted vide GSR 742(E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/ Regional Office and to CPCB/SPCB</p>	<p><b>Being complied.</b></p> <p>Ambient air quality and mine pumped out water quality are monitored as per Environment (Protection) Amendment Rule 2000 &amp; quarterly reports are submitted to MOEF &amp; CC Nagpur &amp; Maharashtra Pollution Control Board. Reports enclosed as Annexure-IX and Annexure – XV.</p>																																									
iii.	<p>Effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standard notified vide GSR 742(E) dated 25.9.2000 and as amended from time to time by the Central</p>	<p><b>Being complied.</b></p> <p>The quality of mine pumped out water is monitored fortnightly basis as per GSR 742(E) of dated 25-05-2000. Reports enclosed as Annexure-IX</p>																																									


	Pollution Control Board.	
iv.	The monitoring data shall be updated on the company's website and displayed at the project site. The circular No: J-20012/1/2006-IA.1I (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><b>Being complied.</b> Monitoring data is being regularly uploaded at WCL official website <a href="http://www.westerncoal.in">www.westerncoal.in</a>. Monitoring reports are sent to MoEF&amp;CC on regular basis.</p> <p>Reports enclosed as Annexure-IX.</p>
v.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells/constructing new piezometers during the mining operation. The monitoring of groundwater shall be carried out four times in a year i.e, pre-monsoon, monsoon, post-monsoon and winter and the ground water quality shall be monitored once in a year and data thus collected shall be sent regularly to Ministry of Environment, Forest and Climate Change / Regional Office.	<p><b>Being complied.</b> Regular monitoring of ground water level &amp; quality in dug wells has been carried out by establishing a network of existing wells and the reports have been sent to R.O, MoEF &amp; CC on regular basis. Report of Ground Water Monitoring is enclosed as Annexure-XVI.</p>
vi.	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring date shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change / Regional Office.	<p><b>Not applicable.</b> There are no springs and perennial nallahs flowing in and around the mine lease.</p>
vii.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the Ministry of Environment, Forest and Climate Change/ Regional Office. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to march of the financial years.	<p><b>Complied.</b> Six monthly reports are submitted regularly to Regional office of Ministry of Environment, Forest and Climate Change.</p> <p>The six monthly report for the period from Oct 2022 to March 2022 is submitted to MoEF&amp;CC vide email dated 30/05/2022.</p>
viii.	The Regional Office of this Ministry shall monitor	Noted and agreed.

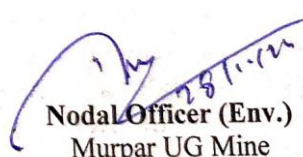
	compliance of the stipulated conditions. The project authorities shall extend full co-operation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	
<b>(k)</b>	<b>Miscellaneous</b>	
i.	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	<p><b>Complied.</b></p> <p>Efforts are being made for the uses of Solar energy and bulbs are replaced by LEDs to reduce energy consumption.</p> <p>01 no of 40 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at AGM Office of Umrer area and 01 no of 12 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at Area Hospital, Umrer Area.</p> <p>Copy of the commissioning report of solar plant is enclosed as Annexure – XVII.</p>
ii.	The project authorities shall inform to the Regional Office regarding commencement of mining operations	Noted and complied.
iii.	A copy of Environment Clearance shall be marked to concern Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional office, District Industry Centre and Collector's office/ Tehsildar Office for information in public domain within 30 days.	<p><b>Complied.</b></p> <p>A copy of Environmental Clearance letter has marked to concerned Panchayat vide letter no. WCL/ SAM/ MUR/ ENVT/ 2018/ 5103, dated 08/02/18.</p> <p>Copy of letter is enclosed as Annexure: XVIII.</p>
iv.	The Environmental Clearance shall be uploaded on the company's website. The, compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.	<p><b>Complied.</b></p> <p>The clearance letter had been uploaded on the company's website to bring the same in the public domain.</p>
v.	The project authorities should advertise at least in two local newspapers widely circulated,	<p><b>Complied.</b></p> <p>Advertisements regarding the issue of Environmental Clearance (Amendment) were given in the following News Papers:</p>

	<p>one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a> and a copy of the same should be forwarded to the Regional Office.</p>	<ul style="list-style-type: none"> <li>• Chandrapur Samachar (Marathi daily, Nagpur) dated 22/07/18</li> <li>• 'The Hitvada (English daily, Nagpur) dated 22/07/18</li> </ul> <p>Copy enclosed as Annexure: XIX.</p>
vi.	<p>The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&amp;CC by e-mail.</p>	<p><b>Complied.</b></p> <p>The environmental statement for each financial year is submitted regularly to the MOEF's Regional Office, Nagpur along with the status of compliance of EC conditions as being practiced in all operating mines.</p> <p>The Audit report for year 2021-22 was submitted online on 27/09/2022. (Annexure-XX).</p>
vii.	<p>The project proponent shall be abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentations to the EAC and in Public Hearing.</p>	<p>Noted &amp; agreed.</p>
viii.	<p>The ministry may stipulate any further condition for environmental protection.</p>	<p>Noted &amp; agreed.</p>
ix.	<p>Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in revocation of this Environmental Clearance and attract action under the provisions of Environmental (Protection) Act, 1986.</p>	<p>Noted &amp; agreed.</p>

x.	The above conditions will be enforced inter-alia, under the provisions of the Water (Preventions & Control of Pollution) Act, 1981, the Environmental (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court and any other Court of Law relating to the subject matter.	Noted & agreed.
xi.	Any appeal against EC shall lie with the National Green Tribunal Act, 2010.	Noted & agreed.

  
**Sub Area Manager**  
Murpar UG Mine  
Murpar Sub Area

  
**Colliery Manager**  
Murpar UG Mine  
Murpar Sub Area

  
**Nodal Officer (Env.)**  
Murpar UG Mine  
Murpar Sub Area