

A report on the status of compliance of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/287/2010-IA.II(M) dated 08-06-2020 for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha located in Village Tekadi, Tehsil-Parseoni, District Nagpur of Maharashtra State under M/s Western Coalfields Limited -Amendment in Environment Clearance-reg.

4.a	Statutory compliance	Compliance/ Status
i	The project proponent shall obtain Forest Clearance under the provisions of Forest (Conservation) Act, 1986 in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable. No forest land involved in the mine lease area of the project.
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable. There is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 KM boundary of the project.
iii	The project proponent shall prepare a site-specific conservation plan/wildlife management plan and approved by the chief wildlife warden. The recommendations of the approved site-specific conservation plan/wildlife management plan shall be implemented in consultation with the state forest department. The implementation report shall be furnished along with the six-monthly compliances report (in case of the presences of schedule-I species in the study area)	Not applicable for this project. As there is no National Parks, Wildlife Sanctuaries and Eco sensitive zones found in 10 KM boundary of the project.
iv	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981	Complied. Project proponent has obtained Consent to Establish for Kamptee Deep OC Project (2.0 MTPA) vide ref. no.BO/JD (APC)EIC No.NG-

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	<p>and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned state Pollution Control Board/Committee.</p>	<p>5526-11/E/CC-277 dated 03.04.2011.</p> <p>(Copy of same is enclosed) and Consent to Establish for Inder UG to OC Project (1.2 MTPA) is available vide ref no. BO/JD(APC) / TB-2UAN No.-48400 / R / CC-1911000571 dated 15/11/2019.</p> <p>(Annex-1_CTE_Kamptee & Inder UG to OCM)</p> <p>Hence, the separate Consent to Establish is not applicable as there is no expansion from the existing production capacity of both mines i.e., 2+1.2=3.2 MTPA. Although consent to operate and its renewal has been obtained for 3.20 MTPA vide letter dated 18.07.2023 from MPCB which is valid up to 31.03.2024.</p> <p>(Annex-2_CTO Amalgamated Inder Kamptee Deep OCM)</p>
<p>v</p>	<p>The project proponent shall obtain the necessary permission from the central Ground Water Authority.</p>	<p>Complied.</p> <p>No Objection Certificate (NOC) for ground water abstraction has been obtained for Kamptee from Central Ground Water Authority, (CGWA), New Delhi vide NOC no CGWA / NOC / MIN / ORIG / 2019/6014 dated 09.09.2019 and valid up to 08.09.2021 and to Inder UG to OC from Central Ground Water Authority, (CGWA), New Delhi vide NOC no. CGWA/NOC/MIN/ORIG/2019/6012 dated 09.09.2019 and valid up to 08.09.2021. The same has been applied for renewal through online portal of CGWA and is in active stage of consideration at CGWA, New Delhi after getting recommended for approval from CGWB, Nagpur.</p>

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		(Annex-3_NOC & online status from CGWA portal regarding renewal of NOCs)				
vi	Solid/hazardous waste generated in the mines needs to address in accordance to the solid waste management rules, 2016, hazardous & other waste management rules, 2016.	<p>Complied.</p> <p>Overburden extracted during coal evacuation is generated as solid waste which is stacked at earmarked site as per the approved mine plan and as per DGMS guidelines.</p> <p>Further, hazardous waste generated in the mines such as sludge generated from the effluent treatment plant, oil from skimmer, hose pipes, cotton rags and used oil filters are disposed properly as per MPCB guidelines and authorized agency by MPCB named Central Hazardous Waste Treatment and Safe Disposal Facility, Butibori Nagpur in accordance with hazardous & other waste management rules,2016.</p> <p>A copy of the online manifest generated during lifting of the Hazardous waste is attached for ready reference.</p> <p>(Annex-4_Online manifest for Hazardous Waste)</p>				
4. b	Air quality Monitoring and preservation					
i	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of the pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ and NO _x . Location of the station shall be decided based on the meteorological data, topographical features and	<p>Complied.</p> <p>Based on the meteorological data & topographical features, air quality monitoring stations are decided, covering core zone & buffer zones namely:</p> <table border="1"> <tr> <td rowspan="3">Kamptee Deep OC</td> <td>NKCA 1- Sub Station</td> </tr> <tr> <td>NKCA 2- Juni Kamptee village</td> </tr> <tr> <td>NKCA 3- Colony water treatment plant</td> </tr> </table>	Kamptee Deep OC	NKCA 1- Sub Station	NKCA 2- Juni Kamptee village	NKCA 3- Colony water treatment plant
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	<p>environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/ or in consultation with the SPCB. Monitoring of the heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.</p>	<table border="1" data-bbox="719 409 1216 661"> <tr> <td></td> <td>NKCA 4- G.P Office, Kandri village.</td> </tr> <tr> <td rowspan="4">Inder UG to OC</td> <td>NIOA 1- Near pit no.6/ Manager office</td> </tr> <tr> <td>NIOA 2- CMPDI Tekadi camp</td> </tr> <tr> <td>NIOA 3- Colony WTP</td> </tr> <tr> <td>NIOA 4- G.P Office, Kandri</td> </tr> </table> <p>In addition to the above, 01 no. of CAAQMS is in operation at Gondegaon OCM which is in very close near to vicinity of this mine. Moreover, 01 no. more CAAQMS is proposed to be installed in this mine latest by June 2024. CAAQMS at Gondegaon Photo attached.</p> <p>(Annex-5_Geotagged CAAQMS Photo)</p> <p>Environmental Quality parameters including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x are being monitored at four locations on a fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDI. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr has also been carried out through CMPDI.</p> <p>The Routine environmental monitoring reports including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x & Heavy Metal monitoring report are being submitted to Maharashtra pollution control Board along with the six-monthly compliance reports.</p> <p>(Annex-6_Environment Monitoring Report)</p> <p>(Annex-7_Latest Heavy Metal Report)</p>		NKCA 4- G.P Office, Kandri village.	Inder UG to OC	NIOA 1- Near pit no.6/ Manager office	NIOA 2- CMPDI Tekadi camp	NIOA 3- Colony WTP	NIOA 4- G.P Office, Kandri
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ii	<p>The ambient air quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standard notified vide</p>	<p>Complied.</p> <p>Environmental Quality parameters including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x are being monitored at four locations on</p>							

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	<p>under GSR 742 (E) dated 25.09.2000 and amended from time to time by Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, etc. and other monitoring data shall be regularly reported to the Ministry/ Regional Office and to the CPCB/SPCB.</p>	<p>fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDI. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr has also been carried out through CMPDI.</p> <p>The Routine environmental monitoring reports including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NOx & Heavy Metal monitoring report are being submitted to Maharashtra pollution control Board along with the six-monthly EC Compliance reports.</p> <p>(Annex-6_Environment Monitoring Report)</p> <p>(Annex-7_Latest Heavy Metal Report)</p>
<p>iii</p>	<p>Transportation of coal, to the extent permitted by road shall be carried out by covered truck / conveyer. Effective control measures such as regular water / mist sprinkling / rain gun shall be carried out in critical areas prone to air pollution (with higher value of PM₁₀/PM_{2.5}) such as haul road, loading / unloading and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central / State Pollution Control Board.</p>	<p>Complied.</p> <p>At present, the coal is transported to the nearest Thermal Power Plants named TPS Koradi and TPS Khaparkheda via black topped road (BT) and railway siding and all the coal carrying trucks are properly covered by tarpaulin to reduce fugitive dust emission.</p> <p>(Annex-8_Geotagged photo of Coal carrying trucks covered by tarpaulin)</p> <p>Further to eliminate the air pollution due to coal transportation by road, installation of pipe conveyor has been proposed for transportation of coal from mine to thermal power plants.</p> <p>The installation and commissioning of the closed pipe conveyor belt system by MAHAGENCO is in final stage expecting to be completed on or before December 2024 from this mine as the said system has already commissioned in January 2023 from Bhanegaon OCM and September 2023 in</p>

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	<p>Singhori also for major portion of coal transportation by conveyor system for transportation of the coal from said coal mines pit to the Thermal Power Plants named TPS Khaparkheda and TPS Koradi of the MAHAGENCO and expected to be completed by Dec.2024 for the said mine. The system is installed by MAHAGENCO by capitalizing about amount of Rs. 491 Cr. intended for transportation of coal from 4 nos. of mine pits of opencast coal mines under command range of Nagpur Area namely Amalgamated Inder Kamptee Deep OCM, Gondegaon OCM, Bhanegaon OCM and Singhori OCM with a total conveyor length of about 17 km leading to shifting of the majority of the existing coal transportation from trucks (by road) to through closed pipe conveyor belt system which will contribute in the reduction of the fugitive dust generation during mineral transportation, saving of the fossil fuel used during the coal transportation directly effecting the environment and national economy. Indirectly, it will also reduce the stress on fossil fuel (diesel), reduction in disease caused due to the fugitive emission, road accidents/ traffic and carbon emission.</p> <p>(Annex-9_Geotagged photos closed pipe conveyor system)</p> <p>The following air pollution control measures are in place to mitigate air pollution due to mining activities; coal transportation and allied activities are placed below:</p> <p>Existing PCM:</p> <ul style="list-style-type: none"> • 6 nos. of Fixed Water Sprinklers have been installed and are in operation near to coal stock yard to the weigh bridge to suppress the fugitive dust. • 6 nos. of mist canon trolley mounted
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		<p>system type for dust suppression has deployed on CHP.</p> <ul style="list-style-type: none"> • 3 nos. of the mobile water tanker having a capacity of 28 kl, 12 kl and 06 kl are deployed for the water spraying regarding effective dust suppression on coal transportation roads, haul road & near coal stock yard. • All Coal Carrying trucks are being properly covered by Tarpaulin to minimize the fugitive dust emission (arise due to coal spillage) and trucks are being monitored through via CCTVs cameras & GPS system for the compliance. • To minimize the dust generation during coal transportation the roads has been black topped. • Road Sweeping is done by manual mean on as and when required basis. • Brooming machine has been deployed for cleaning of the coal. • The mine is operated under HoE (Hire of Equipment). All the operating vehicles are having valid PUC certificates. HEMMs are serviced, washed and other maintenance works are carried out at authorized service centers outside project area. ETP of 100 KLD is in operation for reuse and recycle of the water for washing of HEMMs. • To reduce electricity consumption LED lights have been installed in all offices & Tekadi Colony. • To reduce air pollution in colony area, (5 km away from project), all workers have facilitated with LPG cylinders by management. No Coal is issued to workers for domestic purposes. • Tyre wash system has been installed at mine exit point for washing of wheel and arrest coal ash within mine lease area.
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		<p>Proposed PCM:</p> <ul style="list-style-type: none"> Installation and commissioning of CAAQMS-expected to be commissioned by June, 2024. <p>The detailed pollution control measures deployed for dust suppression arrangement at the project are attached.</p> <p>(Annex-10_Existing & proposed Pollution Control Measures)</p> <p>Four number of AAQ monitoring stations have been established for regular monitoring (TPM, PM₁₀, PM_{2.5}, SO₂, NO_x) of the ambient air quality and water also. The monitoring is done by Central Mine Planning and Design Institute, Regional Institute no-IV, Nagpur-A NABL Accredited Lab on fortnight basis. And reports are regularly being submitted to MOEF&CC, New Delhi & Regional Office also.</p> <p>At present, 111,500 nos. of plantations of the native species in area of 27.67 ha has already been done. Density of the plants is kept at 2500 plants per hectare. Moreover, PP has proposed plantation of 100000 nos. in 40 ha land of OB and slope in FY 2024-25.</p> <p>(Annex-11_Geotagged Plantation Photos)</p>
iv	<p>The transportation of the coal shall be carried out as per the provisions and route proposed in the approved Mining Plan. Transportation of coal through the existing road passing through the any village shall be avoided. In case, it is proposed</p>	<p>Complied.</p> <p>The transportation of the coal is carried out as per the provisions and route proposed in the approved Mining Plan. Coal is transported along black topped coal transportation road "bypass road" of 1.8 km (approx.) as per the provisions & route of approved Mining Plan.</p>

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	to construct a "bypass' road, it should be constructed so the impact of sound, dust and accidents are appropriately mitigated	The detailed pollution control measures deployed for dust suppression arrangement at the project are attached. (Annex-10_Existing & proposed Pollution Control Measures)
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.	Complied. As per the present practice, the PUC (Pollution Under Control) Certificate from the authorized pollution testing center is mandatory for all vehicles in the mine premises area and the same will be continued in future also. (Annex-12_Undertaking)
vi	Coal stockpile/ crusher /feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors should be fully covered to avoid air borne dust. Side cladding all along the conveyer gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Complied. CHP in the mine is provided with enclosures, side claddings and mist sprinklers to contain air pollution. A comprehensive mist sprinkler system with mist nozzles is provided for dust suppression for strengthening of air pollution control in crushers, along conveyors belt, transfer points, bunkers at CHP. 06 no. of mist canon/fogger are deployed for suppressive the dust at bunker. (Annex-13_Geotagged Photos Mist Spray System) Additionally, wet drilling is in operation as per DGMS. (Annex-14_Undertaking)
vii	Coal handing plant shall be operated with effective control	Complied.

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	<p>measures viz. bag filters /water or mist sprinkling system etc. to check fugitive dust emission from crushing operations, conveyer system, transfer points etc.</p>	<p>CHP in the mine is provided with enclosures, side claddings and sprinklers to contain air pollution.</p> <p>A comprehensive mist sprinkler system with mist generating nozzles is provided for dust suppression for strengthening of air pollution control in crushers, along conveyors belt, transfer points, bunkers at CHP and additionally 1 mist canon having 100 m throw is provided on each crusher.</p> <p>(Annex-13_Geotagged Photos Mist Spray System & mist canon on crusher)</p>
4 C	Water quality monitoring and preservation	
i	<p>The effluent discharge (mine wastewater, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standards of GSR 742 (E) dated 25.09.2000 and as amended from time to time by Central Pollution Control Board.</p>	<p>Complied.</p> <p>The quality of effluent discharge (mine wastewater, workshop effluent) and mine pumped out water is being monitored fortnightly by CMPDIL, RI-IV, Nagpur and the reports are submitted to RO, MOEF&CC and SPCB regularly. In said mine, two big sump/mine voids have been provided with adequate capacity of 160 million gallons with retention period of 12 hrs. to allow proper settling of silt material before pumping it onto surface sedimentation tanks of 45 m (L) * 25 m (B) * 1 m (D), for further treatment. The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt & dust suppression etc. and the surplus water is discharged into nallah / Kanhan river.</p> <p>(Annex-15_Geotagged Photos of Sedimentation Tank)</p> <p>Water Quality Monitoring Station.</p>

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		<p>1. NKCW-1- Mine discharge. A copy of the last six-month water quality monitoring report of mine discharge is attached.</p> <p>(Annex-6_Environment Monitoring Report)</p> <p>Additionally, a copy of the mine water analysis report (third party) from a MOEF&CC certified agency is attached.</p> <p>(Annex-16_Third Party Water Analysis Report)</p>
ii	<p>The monitoring data shall be uploaded on the company website and displayed at the project site at a suitable location. The circular no. J-20012/1/2006/.1A.11(M) dated 25.09.2000 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.</p>	<p>Complied.</p> <p>Environmental monitoring reports are being uploaded onto company's website regularly at link - http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>Moreover, Environmental monitoring reports are routinely submitted to IRO, MoEF&CC and RO, SPCB/MPCB via six monthly EC compliance status report.</p> <p>(Annex-17_Monitoring Report uploaded on Company's Website)</p> <p>(Annex-21, Email submission of six-monthly EC Compliance Status report)</p>
iii	<p>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</p>	<p>Complied.</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.</p>

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	<p>monitoring of ground water level shall be carried four times in a year pre- monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year and the data thus collected shall be sent regularly to Ministry of Environment, Forest and Climate Change /Regional Office.</p>	<p>A copy of the ground water monitoring report from a MOEF&CC certified agency is attached. (Annex-19, Groundwater monitoring report)</p> <p>Additionally, two nos. of the piezometers are fitted with Digital Water Level recorders with and without telemetry system (deep and shallow) in operation to monitor the impact of mining on ground water level in core zone. At present, piezometer (shallow) needs well development and suitable action is in progress. (Annex-18_Photos of Piezometer)</p> <p>Moreover, quality of ground water is being monitored by NABL accredited lab on fortnightly basis. A copy of the report is attached and is regularly submitted to IRO, MOEF&CC and MPCB Office through Six Monthly EC Compliance Status report. (Annex-6_Environment Monitoring Report)</p> <p>(Annex-21_Email submission of six-monthly EC Compliance Status report)</p>
<p>iv</p>	<p>Monitoring of water quality upstream and downstream of water bodies shall be carried out once in 6 months and record of monitoring data shall be maintained and submitted to Ministry of Environment, Forest and Climate Change /Regional Office.</p>	<p>Complied.</p> <p>Kanhan River passes near to the project through the western direction of the mine. Monitoring of water quality in the upstream and downstream of Kanhan River is being done bi-annually. Latest report attached. (Annex-20_Upstream Downstream Report)</p> <p>Analysis reports are being submitted to IRO, MOEF&CC and SPCB on a regular basis. (Annex-21_Email submission of six-monthly EC Compliance Status report)</p>

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v	<p>Ground water, excluding mine water shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.</p>	<p>Complied.</p> <p>It is submitted that no ground water, other than pumped water from mine is being used for meeting the industrial demand viz. dust suppression, plantation etc. No ground water is used for extraction of coal or evacuation of OB/Soil is being used for mining operation. The mine discharge water after internal usage is being supplied to local populace for irrigation & domestic purposes thereby decreasing dependency on river water & groundwater. Additionally, a copy of the MOU signed between WCL and Vidarbha Irrigation Development Corporation (VIDC) for utilization of the surplus water is attached.</p> <p>(Annex-22_MOU between WCL & VIDC)</p> <p>Water conservation measures implemented in project for conservation and augmentation of ground water resources are attached.</p> <p>(Annex-23_Photos of Rainwater Harvesting)</p> <p>Additionally, out of total land of 857.60 ha, only 378.98 Ha is in use for excavation 260.56 ha for OB dumping, 28.00ha for embankment and 72.00 ha for colony, roads infrastructure which comes to about 80% of the total land. The remaining land of 140 Ha is still untouched and serving as a water recharge structures.</p> <p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly interval. Reports attached.</p> <p>(Annex-19_Groundwater Monitoring Report)</p>
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vi	<p>Catch/garland drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated /compacted and accumulation of water over dumps shall be avoided by adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly desilted particularly before onset of monsoon and maintained properly. Sump capacity should also provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression measures and green belt development. Dimension of the retaining wall constructed if any at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of the native species to be made between toe of the dump and adjacent field/habitation/water bodies.</p>	<p>Complied.</p> <p>To arrest the silt, catch drains of size 1850 m (L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains & sedimentation ponds are de-silted periodically & maintained properly especially onset of monsoon.</p> <p>Further, two nos. of Garland drain having size 7000 m (L) and 3500 m having width of 20 (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site. Embankment of dimensions 650m x 20m x 3m with stone pitching on the rivers side is provided. Also, HFL level is 279.035 m. Top RL of embankment is 283.50 m.</p> <p>(Annex-24_Photos of catch drains and garland drains)</p> <p>The accumulated water after proper settling of silt material is reused internally. For collection and treatment of strata water seepage, cross drains are construction for directing the strata seepage towards mine sump at quarry floor area. In said OCM, a sump has been provided with adequate capacity of 90 million gallons with retention period of 12 hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of supernatant is pumped to surface sedimentation tank for further treatment of the supernatant.</p> <p>The treated mine pumped out water is being</p>
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		<p>utilized within the mine premises for maintenance of greenbelt & dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>At present, 101,500 nos. of plantations of the native species in area of 27.67 ha has already been done. Density of the plants is kept at 2500. plants per hectare. Moreover, PP has proposed plantation of 100000 nos. in 40 ha land of OB and slope in FY 2024-25.</p> <p>(Annex-11_Geotagged Plantation Photos)</p> <p>The plantation programmed has been carried out by State expert agency MPRVVN with maintenance of 4 years after the year of plantation. A copy of the MOU signed between WCL and MPRVVN is attached.</p> <p>(Annex-25_MOU with MPRVVN)</p>
vii	<p>Adequate ground water recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby villages in case the village wells go dry due to dewatering of mine.</p>	<p>Complied.</p> <p>Adequate ground Water conservation measures have been implemented in project for conservation and augmentation of ground water resources, details are attached with Geotagged photos.</p> <p>(Annex-23_Photos of Rainwater Harvesting)</p> <p>Additionally, out of total land of 857.60 ha, only 378.98 Ha is in use for excavation 260.56 ha for OB dumping, 28.00 ha for embankment and 72.00 ha for colony, roads infrastructure which comes to about 80% of the total land. The remaining land of 140 Ha is still untouched and serving as a water recharge structures.</p>

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		<p>The level of the ground water and the wells in buffer zone is being monitored continually round the year at quarterly interval. Reports attached.</p> <p>(Annex-19_Groundwater Monitoring Report)</p> <p>Additionally, a natural pond is provided near sedimentation Pond, working as a groundwater recharging pond. Moreover, WCL has signed a MoU with Maharashtra Govt. to provide 10.76 million M³/ year water from the OC mines to Thermal Power Plants and Signed an MoU with VIDC (Vidarbha Irrigation Development Corporation) for providing water 29.17 million M³/year for irrigation purposes from the mines of Nagpur Area of WCL.</p> <p>Also, Noticing the scarcity of drinking water at Pipri, Kanhan and part of Shivora village under Parseoni Tehsil, WCL has laid pipeline to carry the mine water discharge from the settling tank to the kanhan village, for the supply of drinking water to these areas. Raw water is stored in the ground reservoir from where it is filtered through a pressure filter plant of 10,000 gph capacity. This filtered water is stored in a clear water tank which pours to the overhead tank which is having a capacity of 3.00 Lakh liters.</p> <p>(Annex-26_Kamptee to Kanhan Project)</p>
viii	<p>Industrial wastewater generated from CHP, workshop and other wastewater shall be properly collected and treated so as to conform to the standards prescribed under Environment Protection Act 1986 and the</p>	<p>Complied.</p> <p>One no. of ETP with Oil & grease trap of 100 KLD capacity is in operation for treatment of effluent from workshop and treated water from the ETP is reused for washing of heavy vehicles.</p>

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	<p>rules made there under and as amended from time to time. Adequate ETP/STP needs to be provided.</p>	<p>(Annex-27_ETP photo with details and flow diagram)</p> <p>Regarding STP, presently the existing colony has been provided with septic tank followed by soak pit and proposal for installation of STP is under approval and will be commissioned latest by December, 2024.</p>
<p>ix</p>	<p>The water pumped out from mine after siltation shall be utilized for industrial purpose viz, watering the mine area, roads, greenbelt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>Complied.</p> <p>To arrest the silt, catch drains of size 1850 m (L) x 21 m (W) x 03 m (D) has been constructed around the OB dump and quarry to arrest flow of silt and sediments into natural water course. The drains & sedimentation ponds are desilted periodically & maintained properly especially onset of monsoon.</p> <p>Further, two nos. of Garland drain having size 7000 m (L) and 3500 m having width of 20 (W) x 3 m (D) has also been provided around the dump has been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site. Embankment of dimensions 650m x 20m x 3m with stone pitching on the rivers side is provided. Also, HFL level is 279.035 m. Top RL of embankment is 283.50 m.</p> <p>The accumulated water after proper settling of silt material is reused internally.</p> <p>For collection and treatment of strata water seepage, cross drains are construction for directing the strata seepage towards mine sump at quarry floor area. In said OCM, a sump has been provided with adequate</p>

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		<p>capacity of 90 million gallons with retention period of 12 hrs to allow proper settling of silt material before pumping it onto surface sedimentation tanks of supernatant is pumped to surface sedimentation tank of size 45X25X1 mtrs for further treatment of the supernatant.</p> <p>The treated mine pumped out water is being utilized within the mine premises for maintenance of greenbelt & dust suppression etc. and the surplus water is discharged into nallah/Kanhan river.</p> <p>(Annex-24, Photos of catch drains and garland drains)</p>
x	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river /rivulet/pond/lake etc., shall be prepared and implemented by 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.</p>	<p>Not applicable.</p> <p>There are no surface water bodies like river/pond/lake in the project area for diversion of natural water courses as per approved Mining Plan. Adjacent to the mine in the western direction, Kanhan River flows. The mining activities are being carried out by maintaining safe distance of around 1.2 Km from the river. A copy of the mine plan showing river is attached.</p> <p>(Annex-28_Mine Plan Showing River)</p> <p>Embankment has been constructed to prevent any danger against in rush of surface water into the mine after approval of Mining Plan and permission of DGMS. DGMS permission attached.</p> <p>(Annex-29_DGMS permission)</p>
xi	The project proponent shall take	Complied.

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	<p>all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation/water resource department in the state government</p>	<p>In view of the mining potential of the area and the prevailing environmental concerns, a study related to the carrying capacity of riverine eco system of Kanhan river was carried out for Gondegaon OCM (mine in close vicinity and on kanhan river) by CMPDI to assess impacts on the environmental components. It was observed that four coal mines (covering this mine), Singhori OCM, Bhanegaon OCM and Gondegaon OCM (WCL) and two thermal power plants (MAHAGENCO) were also existed along Kanhan river basin, and it was concluded in the study that the riverine ecosystem in the study area is having enough carrying capacity, both in terms of supportive and assimilative capacity, to support the development and ecosystem of the area, which eliminates the need of riverine/riparian ecosystem conservation and management plan and its implementation in consultation with the irrigation/water resource department in the state government.</p> <p>(Annex-30_Report on Riverine Study)</p> <p>River passes about 1.2 km away from the project through western direction of the mine. Precautionary measures are taken to ensure riverine / riparian ecosystem in and around the coal mine.</p> <p>Additionally, monitoring of water quality in the upstream and downstream of Kanhan River is being done bi-annually and analysis reports are being submitted to IRO, MOEF&CC and SPCB on regular basis. Monitoring reports are enclosed.</p> <p>(Annex-6_Environment Monitoring Report) (Annex-16_Third Party Water Analysis Report)</p>
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4.d	Noise and Vibration Monitoring and Prevention	
i	<p>Adequate measures shall be taken for control of noise levels below 85 dBA(A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with personal protective equipment (PPE) like ear plugs/muffs in conformity with prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.</p>	<p>Complied.</p> <p>Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc. are being provided with PPE like Ear plugs/ muffs etc. with personal protective equipments. Regular awareness programme for training and retraining of workers are also conducted in vocational training center. Details of VTC training are attached. (Annex-31_VTC training details)</p>
ii	<p>Controlled blasting techniques should be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by DGMS.</p>	<p>Complied.</p> <p>Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as permitted by DGMS is being adopted.</p> <p>Copy of the permission from DGMS along with undertaking attached. (Annex-29_DGMS permission) (Annex-32_Undertaking)</p>
iii	<p>The noise level survey shall be carried out and per the prescribed guidelines to assess noise exposure of the workman at vulnerable points in the mine premises and report in this</p>	<p>Complied.</p> <p>Controlled blasting techniques with use of delay detonators are practiced during daytime to control ground vibration and to arrest the fly rocks. The controlled Blasting Technique as</p>

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	<p>regard shall be submitted to the ministry of /RO on six monthly basis.</p>	<p>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-33, Blasting Report).</p> <p>Noise level monitoring is carried out regularly on fortnightly basis at different locations covering core & buffer zones and the reports are submitted to IRO, MOEF&CC on regular basis.</p> <p>The monitoring stations are as below:</p> <ol style="list-style-type: none"> 1. NKCEN-1- Coal Handling Plant. 2. NKCEN-2- Colony (Kamptee). <p>(Annex-6_Environment Monitoring Report)</p>
e	Mining Plan	
i	<p>Mining shall be carried out under strict adherence to the provisions of mines act 1952 and subordinate legislations made there-under as applicable.</p>	<p>Complied.</p> <p>Mining operations are being carried out and continue to be carried out as per provision of Mine Act, 1952 and no deviation is being made during operations. Copy of the undertaking is attached.</p> <p>(Annex-34_Undertaking)</p>
ii	<p>Mining shall be carried out as per the provisions outlined in approved Mining Plan (including Mine Closure Plan) abiding by Mining laws related to the coal mining and the relevant circulars issued by Directorate General</p>	<p>Complied.</p> <p>Mining operations are being carried out as per mining plan by abiding all the mining rules and DGMS guidelines issued time to time and will continue to be carried out accordingly.</p>

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	Mines Safety (DGMS).	(Annex-35_Undertaking)
iii	No mining shall be carried out in the forest land without obtaining forestry clearance as per Forest (Conservation) Act, 1980 and adhering to The Schedule Tribes and other Traditional Forest Dwellers (Recognitions of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	<p>Not applicable.</p> <p>There is no forest land involved in the project.</p>
iv	Efforts should be made to reduce energy consumption by conservation, efficiency, improvements, and use of renewable energy.	<p>Complied.</p> <p>All efforts are being made to reduce energy and fuel consumption by energy conservation & making improvement in efficiency and use of renewable energy such as:</p> <p>(i) A rooftop solar system of 80 KW has been installed at Nagpur Area HQ office building & residential buildings.</p> <p>(ii) Additionally, a solar power plant of 70 KW is installed at Bhanegaon Singhori Sub Area Manager Office near Singhori OCM.</p> <p>(iii) For improvement in energy efficiency, all light bulbs are replaced by LED bulbs.</p> <p>(Annex-36_Solar Plant Photos)</p> <p>Details are as below:</p> <ol style="list-style-type: none"> 1) Procurement and deployments of the energy efficient equipments (based upon their star ratings) used in the coal mining operation such as mine pumps utilised for dewatering. 2) Time to time calibrations of the power consuming equipments to make them more energy efficient.

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		<p>3) Monitor power quality and reliability to improve stability and minimize unplanned downtime.</p> <p>4) Promoting the benefits of energy efficiency.</p> <p>5) Energy audits conducted once every few years by external consultants.</p> <p>6) Switching to LED bulbs in the mass tower.</p>
f	Land Reclamation	
i	<p>Digital survey of the entire lease hold area/core zone using Satellite Remote Sensing Survey shall be carried out regularly in three years for monitoring land use pattern and report in 1:50000 scales shall be submitted to Ministry of Environment, Forest and Climate Change/Regional Office (RO).</p>	<p>Complied.</p> <p>Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey is carried out once in three years. Latest survey report submitted is attached.</p> <p>(Annex-37_Satellite Monitoring Report)</p> <p>The reports are submitted to Integrated Regional Office of Ministry of Environment, Forest and Climate Change and the same are uploaded onto the company's website link-</p> <p>http://www.westerncoal.in/index1.php/StaticPage/155.</p> <p>(Annex-38_EC compliance report uploaded on Company's website)</p>
ii	<p>Final mine void depth should be preferably as per the approved Mine Closure Plan, and in case it exceeds 40 m adequate engineering intervention shall be provided for sustenance of aquatic life therein. The remaining area should be back filled and covered with thick and alive</p>	<p>PP has consented to condition.</p> <p>The progress of mining activities is being carried out as per approved mining plan. The Mine Closure Plan is an integral part of the approved Mining Plan. The post mining land use will be as per approved reports. As per the approved mining plan, mine closure plan and Addendum EIA/EMP, total final</p>

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parsoni, District Nagpur (Maharashtra).

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	<p>topsoil. Post Mining land be rendered usable for agricultural /forestry purposes and shall be handed over to the respective State Government as specifies in the guidelines for Preparations of Mine Closure Plan issued by the Ministry of Coal dated 27-08-2009 and subsequent amendments.</p>	<p>mine void would be in 96.50 ha with depth of 150 m against the total quarry area is 650.49 ha. The Project has seven nos. of dumps.</p> <p>Dump No. 4 - Above GL 60.00 m Dump no 4A - Above GL 60.00 m Dump No.8 - Above GL 47.00 m Dump No. 1 - Above GL 26.00 m Dump No. 9 - Above GL 20.00 m Dump No. 9A - Above GL 20.00 m Dump No. 10 - Above GL 28.00 m</p> <p>The land after completion of all closure activities and re-imburement of corpus deposited appropriate action for handling over the land will be taken. A mine closure plan was approved by the WCL Board along with opening of account no. 323203800000468 at Union bank, Gandhibagh Nagpur. The total fund available in account as on date is Rs. 8,65,22,187 as on 31.03.2024.</p> <p>(Annex-39_Escrow Account Statement)</p> <p>Post Mining land will be made usable for agricultural / forestry purposes and shall be handed over to the respective State Government as per the Final Mine Closure Plan. Till date, there is no backfilling.</p> <p>Final mine void depth will be as per the approved mining plan, mine closure plan and Addendum EIA/EMP, total quarry area is 379.98 Ha, out of which 119 Ha will be backfilled with plantation. Final land use plan will include for land reclamation wherever possible and for hydro reclamation wherever feasible ensuring zeros mine void at the end of the mine.</p>
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		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.
iii	The entire excavated area, backfilling, external OB dumping (including topsoil) and afforestation plan shall be in conformity with the "during mining" & post mining" land use pattern, which is an integral part of the approved Mining plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-à-vis the post mining land use pattern shall be submitted to the Ministry of Environment, Forest & Climate Change/ RO.	<p>PP has consented with condition as it will be fulfilled with due course of time i.e., after mine closing.</p> <p>PP will ensure that all the mining operations are being executed according to the approved mining plan and addendum EIA-EMP and will be continued till life of the mine.</p> <p>PP is ensuring submission of the Progressive compliance status report biannually as instructed as far as compliance status w.r.t the post mining land use pattern is concerned, PP will ensure for submission of the compliance status report to the Ministry of Environment, Forest & Climate Change/ Regional Office on six monthly basis with due course of time.</p> <p>Six monthly EC compliance is regularly submitted to Ministry of Environment, Forest & Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p>(Annex-21_Email submission of six monthly EC Compliance Status report)</p>
iv	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause(i)	<p>PP has consented to condition.</p> <p>PP has noted for compliance with due</p>

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<p>and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804(E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.</p>	<p>course of time during closure of mine.</p> <p>Stowing is not applicable in Opencast coal mines.</p> <p>Six monthly EC compliance status report is regularly submitted to Ministry of Environment, Forest & Climate Change, Regional Office, Nagpur which comprises data sheet with data excavated area, backfilling, external OB dump including topsoil and afforestation data.</p> <p>(Annex-21_Email submission of six monthly EC Compliance Status report)</p>
<p>v 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 it shall not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface runoff. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforest rated in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and</p>	<p>PP has consented to condition.</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. Further, the excavated area will be backfilled with due in line with the approved Mine Closure Plan. Reports are being submitted to the said office regularly and on time. The surface layout plan showing OB & Topsoil dumps is enclosed.</p> <p>(Annex-40_Surface Layout Plan)</p> <p>Noted for compliance.</p> <p>Topsoil is stacked separately in an earmarked area and later used for land reclamation and plantation purpose.</p> <p>Details of Topsoil quantity attached as Annex-40-A.</p> <p>As per the approved mining plan, following are the OB dumps including topsoil dump in the project area.</p>

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parsoni, District Nagpur (Maharashtra).

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	Climate Change/Regional Office.	<ul style="list-style-type: none"> • Internal Dump (Beside running quarry) • Internal Dump (Old quarry) • External Dump (Near South side) • External Dump (Near Coal Stock) • Dump no 4-4A • Dump no. 8-8A • BC Dump(7) • Old OB dump no.1 <p>The topsoil will be used for land reclamation and plantation purpose. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface runoff. The other overburden dumps shall be vegetated with native flora species as per the project report.</p> <p>The excavated area will be backfilled and afforest rated in line with the approved Mine Closure Plan only. Status of Land reclamation report is submitted along with six monthly compliance report.</p>
vi	The Project Proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent shall implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	Not applicable on as any grazing land is not involved in the project area.
4.g	Green Belt	
i	The project proponent shall take all precautionary measures during mining operation for conservation	Not Applicable on project as no endangered/endemic flora/fauna has spotted, so far.

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parseoni, District Nagpur (Maharashtra).

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	and protection of endangered flora/fauna, if any, spotted in the study area. Action plan in this regard if any shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	
ii	Green belt consisting of 3 tier plantations of width not less than 7.5 m shall be developed all along the mine lease area in a phased manner. The green belt comprising a mix of native species shall be developed all along the major approach/coal transportation roads.	<p>Complied.</p> <p>At present, 1,11,500 nos. of plantations of the native species in area of 27.67 ha has already been done. Density of the plants is kept at 2500 plants per hectare. PP has done plantation of 20,500 nos. in 7 ha land of OB in FY 2023-24, geo-tagged photos attached. Proposed plantation in 40 ha of land in FY 2024-25 is about 100000 nos.</p> <p>The following native species are planted: Ganga Imli, Amla, Neem, Karang, Pipal, kachnar, Acasia, Sisoo, peltform, Raintree, Safedsiras, Gulmohar, Casia, Saptparni, etc and project authority is committed for further rest of the plantation as per EMP in the succeeding years.</p> <p>(Annex-11_Geotagged Plantation Photos)</p>
4.h	Public hearing and Human health issues	
i	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. Report on the same shall be submitted to this ministry and its RO on six monthly basis.	<p>Complied.</p> <p>Illumination has been maintained as per new CMR guidelines. Latest illumination report attached.</p> <p>(Annex-41, Illumination Report)</p>

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ii	<p>The Project Proponent shall undertake an Occupational Health Survey for initial and Regular Periodical medical examination of the workers engaged in the Project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides being regular periodic checkup, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupation disease and hearing impairment, if any, as amended time to time.</p>	<p>Complied.</p> <p>Personal working in dusty areas is provided with dust masks. Periodical health check-up of mine workers is carried out once in 5 years with the purpose of detecting occupational diseases & hearing impairment. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 45 years are subjected to periodic medical examination at three years interval.</p> <p>Area Hospitals such as J N Hospital and Walni Hospital is having 50*2 total 100 nos. of bedding capacity.</p> <p>At present, since opening no such occupational diseases and or hearing impairment has been recorded. Year wise PME/IME details are attached.</p> <p>(Annex-42_IME & PME Report)</p>
	<p>Personnel (including outsourcing employee) working in dusty areas should wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects</p>	<p>Complied.</p> <p>Personnel working (including outsourcing employee) in dusty areas provided with protective respiratory devices and advised to wear the same during the work. Details for distribution of PPE kit in FY 2023-24 are attached.</p> <p>Safety awareness programme & training are conducted regularly for personnel of the project and safety inspection by the inter area official is done, periodically. Photo attached.</p> <p>(Annex-43_PPE Kit details)</p>

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iv	<p>Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks and measures as per the Action Plan submitted with budgetary provisions during the Public Hearing. Land oustees should be compensated as per the norms laid out in the R&R Policy of the Company/ State Government/Central Government as applicable.</p>	<p>Complied.</p> <p>The issues raised during the public hearing are being properly addressed. Land outsees has being compensated and employment has been given to all the eligible persons as per R&R policy. All the guidelines will be adhered to from time to time framed by Government body in future.</p> <p>(Annex-44, Employment, monetary compensation and land compensation details)</p>
v	<p>The project proponent shall follow the mitigation measures provided in this Ministries Office Memorandum No.Z-11013/57/2014-IA.I1 (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".</p>	<p>Not applicable on current mine lease area and PP consented to the condition in future, if required.</p> <p>No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p>(Annex-28_Mine Plan Showing River)</p>
4.i	<p>Corporate Environment Responsibility</p>	
i	<p>Project proponent shall comply with the provisions contained in this Ministry's OM vide F.NO.22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.</p>	<p>Not applicable.</p> <p>It is to be mentioned here that Amalgamation of Kamptee Deep OC mine does not involve any additional capital investment and accordingly, kind attention is hereby invited towards to refer to condition no 6(IX) of OM dated 01.05.2018 which state that "CER is not applicable in name</p>

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		<p>change, transfer and amendment involving no additional project investment. In case of amendment in EC involving additional expenditure, CER will be applicable only on the additional expenditure as per column-IV of the table given in para 6(II) above".</p> <p>(Annex-45_CER_1st May 2018)</p>
ii	<p>The Company should have a well laid down Environment Policy approved by the Board of Directors. The Environment Policy should prescribe for standard operating process/procedures to bring into focus any infringements /deviation/violation of the environmental or forest norms/conditions also, the company shall have a defined system of reporting non-compliances/violations of environmental norms to the Board of Directors and/or shareholders /stakeholders.</p>	<p>Complied.</p> <p>Environment Policy, 2021 approved by the Board of Directors of Coal India Limited prescribing for standard operating process / procedures to bring into focus any infringements / deviation / violation of the environmental or forest norms / conditions and duly followed by WCL is attached.</p> <p>(Annex-45.A_Environment Policy)</p> <p>The company is having a defined system of reporting non-compliances / violations of environmental norms to the Board of Directors and / or shareholders / stakeholders.</p> <p>(Annex-46_Hierarchal Chart of the Company)</p>
iii	<p>A separate environmental management cell both at project and company head quarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.</p>	<p>Complied.</p> <p>A three-tier environment management set up exists in WCL and detailed below:</p> <p>At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level - Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer</p>

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		<p>(Environment) of Environment discipline.</p> <p>At Unit Level-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123 is attached.</p> <p>(Annex-46.A, Organizational Chart of the Company displayed at company's website)</p>
iv	<p>Action plan for implementing EMP conditions shall be prepared and duly approved by competent authority. The year-wise funds earmarked for environmental protection measures should be kept in separate account and not be diverted for other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with six monthly compliance report.</p>	<p>Complied.</p> <p>For implementation of the EMP's conditions, WCL has established a three-tier environment management set up in the company for ensuring timely action to safeguard compliance, details are as follows:</p> <p>HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>Area level - Area General Manager heads the Environment Department assisted by GM (Oprn), & Area Nodal Officer (Environment) of Environment discipline.</p> <p>Unit Level-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123</p>

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		<p>icPage/123 attached.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is shown in every six-monthly compliance report sent to MOEF&CC.</p> <p>(Annex-47, Undertaking) A copy of the last three financial year environmental expenditure as on till 31/03/2024 is attached (Capital and revenue nature).</p> <p>(Annex-48, Expenditure Details).</p> <p>Further, year wise progress of implementation of action plan w.r.t the conditions stipulated in the EC is being reported to the Ministry/Regional Office in the form of EC Compliance status report, twice in a year. Last compliance status report was submitted on Nov. 2023 for the period of 01.04.2023 to 30.09.2023.</p>
v	<p>Self-environment audit shall be conducted annually. Even three years third party environment audit shall be carried out.</p>	<p>Complied.</p> <p>Self-internal environmental audit system has been setup in the company. Inter-area inspection to review compliance status is being done on periodically basis. The report of the inspection is put up to the subsidiary level apex committee which has been constituted under the chairmanship of Director (Technical), WCL. Mechanism for internal monitoring of EC compliance is enclosed.</p> <p>(Annex-49_Inter Area Inspection Order)</p> <p>Since, EC for this mine has been accorded in</p>

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		<p>June 2020 and accordingly mine is eligible for third party environment audit after June 2023, which will be ensured very shortly through agency like ICFRI / NEERI / IIT or any other agency identified by the Ministry. A copy of such practice in WCL for other mine is attached.</p> <p>(Annex-50_Third party inspection report for Bhanegaon OCM)</p>
4.j	Miscellaneous	
i	<p>The project proponent shall make public the environment clearance granted for their project along with the environment 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 be also displayed in the project proponent website permanently.</p>	<p>Complied. PP has given advertisement in two newspapers. Advertisements are published in two Local News Papers: 1) HITVADA (English) dated 13.06.2020. 2) SAKAL (Marathi) dated 13.06.2020. (Annex-51_Newspaper Advertisement)</p> <p>Complied. A copy of the Environment clearance letter is displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p>
ii	<p>The copies of Environment clearance letter shall be submitted by the project proponent to the heads of local bodies, Panchayat 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.</p>	<p>Complied. A copy of the receiving from Gram Panchayat is attached. (Annex-52_Copy of Gram Panchayat)</p>
iii	<p>The project proponent shall upload the status of compliance of</p>	<p>Complied.</p>

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	<p>the stipulated environment clearance conditions including result of monitored data on their website and update the same on half yearly basis.</p>	<p>Copy of EC has been uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/154</p> <p>(Annex-53_EC uploaded on Company's website)</p> <p>A copy of EC compliance status report has also been uploaded. at link- http://www.westerncoal.in/index1.php/StaticPage/155.</p> <p>(Annex-38_Six monthly uploaded on Company's website)</p>										
<p>iv</p>	<p>The project proponent hall monitors the criteria pollutants namely PM10, SO2, NOx (ambient levels) or criteria sectoral parameters indicated for their projects and display the same at a convenient location for disclosure for the public and put on the website of the company.</p>	<p>Complied.</p> <p>Based on the meteorological data & topographical features, air quality monitoring stations are decided, covering core zone & buffer zones namely:</p> <table border="1" data-bbox="704 1104 1177 1474"> <tr> <td rowspan="4">Kamptee Deep OC</td> <td>Sub Station</td> </tr> <tr> <td>Juni Kamptee village</td> </tr> <tr> <td>Colony water treatment plant</td> </tr> <tr> <td>G.P Office, Kandri village</td> </tr> <tr> <td rowspan="4">Inder UG to OC</td> <td>Near pit no.6/ Manager office</td> </tr> <tr> <td>CMPDI Tekadi camp</td> </tr> <tr> <td>Colony WTP</td> </tr> <tr> <td>G.P Office, Kandri</td> </tr> </table> <p>Environmental Quality parameters including Air quality monitoring of PM₁₀, PM_{2.5}, SO₂ and NO_x are being monitored at four locations on fortnightly basis as per GSR 742 (E) Coal Mine standards through CMPDI. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr is also been carried out through CMPDI.</p>	Kamptee Deep OC	Sub Station	Juni Kamptee village	Colony water treatment plant	G.P Office, Kandri village	Inder UG to OC	Near pit no.6/ Manager office	CMPDI Tekadi camp	Colony WTP	G.P Office, Kandri
Kamptee Deep OC	Sub Station											
	Juni Kamptee village											
	Colony water treatment plant											
	G.P Office, Kandri village											
Inder UG to OC	Near pit no.6/ Manager office											
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	Colony WTP											
	G.P Office, Kandri											

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parsoni, District Nagpur (Maharashtra).

A report on the status of compliance of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no- J-11015/287/2010-IA.II(M) dated 08-06-2020 for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha located in Village Tekadi, Tehsil-Paraseoni, District Nagpur of Maharashtra State under M/s Western Coalfields Limited -Amendment in Environment Clearance-reg.

		<p>The Routine environmental monitoring reports including Air quality monitoring of PM10, PM2.5, SO2 and NOx & Heavy Metal monitoring report are being submitted to Maharashtra pollution control Board along with the six-monthly compliance reports.</p> <p>(Annex-6_Environment Monitoring Report)</p> <p>(Annex-7_Heavy Metal Report)</p>
v	<p>Project proponent shall submit six monthly reports on the status of the implementation of the stipulated environment conditions on the website of Ministry of Environment, Forest and Climate Change at environment clearance portal.</p>	<p>Complied.</p> <p>Reports submitted through emails to MoEF&CC for last two biannual are enclosed i.e for a period of 01.10.2022 to 31.03.2023 and also 01.04.2023 to 30.09.2023.</p> <p>(Annex-21_Email submission of six monthly)</p>
vi	<p>The project proponent shall follow the mitigation measures provided in this Ministries Office Memorandum No. Z-11013/57/2014-IA.I1 (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".</p>	<p>Not applicable on current mine lease area, but PP has consented to condition, if required.</p> <p>No habitation and villages are part of mine lease areas or surrounded by mine lease area. A copy of the mine working plan showing mine lease area is attached.</p> <p>(Annex-28_Mine Plan Showing River)</p> <p>Additionally, mitigation measures as per approved EMP will be implemented for controlling of adverse impact on environment due to mining activities, if required. The details of mitigation measure with special reference to the air pollution have already been detailed in the specific conditions. Attached for ready reference.</p>

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Paraseoni, District Nagpur (Maharashtra).

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		(Annex-10_Existing & proposed Pollution Control Measures)
vii	The project proponent shall submit the Environmental Statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and put on the website of the company.	<p>Complied.</p> <p>The Environmental Statement for each financial year is filled online in Form-V before 30th September of each year for onward submission to Maharashtra Pollution Control Board. Acknowledge receipt for the Environmental Statement for FY 2020-21, FY 21-22 & FY 22-23 is attached.</p> <p>(Annex-54_Environment Audit statement)</p> <p>The audit statement is also uploaded on company website at link- http://www.westerncoal.in/index1.php/StaticPage/265</p> <p>(Annex-55_Audit statement uploaded on Company's website)</p>
viii	The project authorities shall inform to the Regional Office regarding commencement of the mining operations.	<p>Complied.</p> <p>PP informed to the IRO, Nagpur with the submission of Six-monthly report regarding commencement of project.</p>
ix	Project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<p>Complied.</p> <p>Consent to Establish and Operate has been obtained from Maharashtra Pollution Control Board, Mumbai by PP and attached.</p> <p>(Annex-1_CTE_Kamptee and Inder UG to OCM)</p> <p>(Annex-2_CTO Amalgamated Inder Kamptee Deep OCM)</p>

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parseoni, District Nagpur (Maharashtra).

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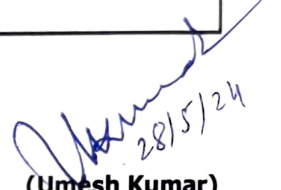
x	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP Report, commitments made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	PP has consented with the condition.
xi	No further expansion or modifications in the plant shall be carried out without prior approval of Ministry of Environment, Forest and Climate Change.	PP has consented with the condition.
xii	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	PP has consented with the condition.
xiii	The ministry may revoke or suspend the clearance, if implement of any of the above conditions is not satisfactory	PP has consented with the condition.
xiv	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	PP has consented with the condition.
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)	PP has consented with the condition.

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parseoni, District Nagpur (Maharashtra).


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	of the Regional Office by furnishing the requisite data/information / monitoring reports.	
xvi	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information / monitoring reports.	PP has consented with the condition.

Submitted for kind consideration please.


28/5/24

(Umesh Kumar)
Project Manager / Mine Manager,
Amalgamated Inder Kamptee Deep OCM,
Kamptee Sub Area, Nagpur Area
Western Coalfield Limited,


(Sharad Kumar Dixit)
Dy. General Manager (Min) / Sub Area Manager,
Kamptee Sub Area, Nagpur Area
Western Coalfield Limited,

EC Compliance Status for Amalgamation of Kamptee Deep of 1.50 (Normative)/2 MTPA (Peak) in ML area 661.65 ha and Inder Opencast Coal Mine Project of 1.20 MTPA in ML area of 463.80 ha of M/s Western Coalfields Limited located in Village Tekadi, Tehsil-Parseoni, District Nagpur (Maharashtra).

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF & CC vide letter no. J-11015/287/2010-IA-11(M) dated 11.05.2015 for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

The monitoring report on the status of compliance of conditions stipulated in Environmental clearance is give under:

SN	Specific Condition	Compliance																				
1.	The Permission for diversion of nallah before commencement of mining in that area from authorised statutory body shall be taken.	Complied. The said permission obtained and copy attached. (Annex-1_Undertaking)																				
2.	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.	Condition not applicable at present but PP has consented with the condition. The condition will be complied with due course of time as activity can only be taken up after ceasing of the mining operations and PP is dedicated to ensuring the compliance in time.																				
i	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	Complied. The production capacity of mine from 2015-19 is restricted within the prescribed limits. The year wise production is given below (after that mine has been Amalgamated with Inder UG to OC): <p style="text-align: right;">(MTPA)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S. N</th> <th>F.Y.</th> <th>EC Capacity</th> <th>Production</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2015-16</td> <td rowspan="5" style="text-align: center;">1.5 to 2 MTPA</td> <td>0.9</td> </tr> <tr> <td>2</td> <td>2016-17</td> <td>0.9</td> </tr> <tr> <td>3</td> <td>2017-18</td> <td>0.5</td> </tr> <tr> <td>4</td> <td>2018-19</td> <td>0.6</td> </tr> <tr> <td>5</td> <td>2019-20</td> <td>0.6</td> </tr> </tbody> </table>	S. N	F.Y.	EC Capacity	Production	1	2015-16	1.5 to 2 MTPA	0.9	2	2016-17	0.9	3	2017-18	0.5	4	2018-19	0.6	5	2019-20	0.6
S. N	F.Y.	EC Capacity	Production																			
1	2015-16	1.5 to 2 MTPA	0.9																			
2	2016-17		0.9																			
3	2017-18		0.5																			
4	2018-19		0.6																			
5	2019-20		0.6																			
ii	The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.	Complied. PP has agreed to abide by this condition.																				
iii	All safety measures shall be taken as per Coal Mining Regulation Act, 1957 & related Circulars.	Complied. PP has taken necessary safety measures																				

EC compliance status for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF & CC vide letter no. J-11015/287/2010-IA-11(M) dated 11.05.2015 for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

		as per DGMS Guidelines. Undertaking attached. (Annex-2_Undertaking)
iv	There shall be zero mine void at the end of the mine.	Not applicable at present but PP is consented with condition with due course of time. The same will be ensured after ceasing of mining operations and as of now, mining activities are in progress. PP has agreed to follow the commitments as per mine closure planning and EMP.
v	The issue of transportation of entire coal from three mines i.e. Gondegaon OC, Inder OC and Kamptee OC by aerial ropeway with MAHAGENCO needs to be expedited.	Complied. As of now, the extracted coal is being transported from coal yards of mines to railway siding by tarpaulin covered trucks. It is further transferred from the railway siding to Thermal Power Stations by railway mode. The Installation and commissioning of the closed pipe conveyer belt from coal mining to thermal power stations of MAHAGENCO is expected to be completed by December, 2024. (Annex-3_Geotagged photos of pipe conveyer system)
vi	Coal transportation in pit by Dumpers, Surface to Siding by Dumpers and loading at siding by Pay loaders.	Complied. Dumpers are used for transferring coal from pit to surface. Loading of coal at railway siding is being carried out by pay loaders after transportation from tarpaulin covered trucks. (Annex-4_Geotagged photos trucks covered by tarpaulin)
vii	The production shall be within the same Mining Lease Area.	Complied. Coal Production is carried out within

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF & CC vide letter no. J-11015/287/2010-IA-11(M) dated 11.05.2015 for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

		mine lease area.
viii	The OB shall be completely re-handled at the end of the mining and will be back filled up to the ground level and covered with about a meter thick top soil and put to use. The land after mining shall be brought back for agriculture purpose.	Complied. It is informed that about 88,32,542.00 m ³ over burden (OB) is removed with about a meter thick top soil is removed till 2019 and used for back filling. Removed top soil about 790000 m ³ is kept as separate dump. PP is agreed to follow the commitments made in EMP at the time of mine closure.
ix	Garland drains be provided.	Complied. Catch/garland drains are provided. Desilting of catch/garland drains are done before monsoon.
x	Appropriate embankment shall be provided along the side of the river/Nallah following near or adjacent to the mine.	Complied. It is submitted that the embankment has been constructed with top width 20m and 4.5m height around mine to withstand the peak water flow and prevent mine inundation. Kanhan river is flowing 1.02 km from the mine boundary. In addition, small nallah is flowing between mine boundary and Kankan river. Embankment and de-siltation has been implemented as mentioned below: 1. Embankment: Embankment has provided along both river and nalla where rainwater discharges from the mine to river. 2. De-siltation: Nallah passing between mine lease area have been desilted and maintained regularly.
xi	The CSR cost should be Rs.5 per Tonnes of Coal produced which should be adjusted as per the	Complied. The fund for CSR is allocated based on

EC compliance status for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

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	<p>annual inflation.</p>	<p>2% of the average net profit of the company for the three immediate preceding financial years or Rs. 2.00 per tonne of coal production of the previous year, whichever is higher. It is submitted that Rs. 206.67 lakh are incurred so far. The amount was spent for infrastructure, social empowerment, water supply etc., In addition to that, activities taken up under CSR (last 10 years) is displayed on the Company's official website. Link is as below: http://www.westerncoal.in/index1.php/StaticPage/147.</p> <p>(10 years CSR related works details on Company website)</p> <p>(Annex-5_CSR activities on Company website)</p> <ul style="list-style-type: none"> • Plantation on barren lands: In addition to the plantation on the mine lease area and river. PP is looking for find out barren lands available from the project location at least 10km radius from the project area where green belt needs to be developed. • Ground water Recharge: By creating and deepening of existing ponds and By rain water harvesting at Transit hostel (in progress) • Awareness Programme: Awareness programme once in a year (on June 5 - world environment day) are done to make awareness among local people on the importance of green belt and rainwater. <p>(Annex-6_WED photos)</p>
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xii	Everybody in the core area should be provide with the mask for protection against fugitive dust emissions.	<p>Complied.</p> <p>Necessary Personal Protective Equipments are provided to the mine workers working in the core area.</p> <p>(Annex-7_Details of PPE kit details)</p>															
xiii	The supervisory staff should be held personally responsible for ensuring compulsory regarding wearing of dust mask in the core area.	<p>Complied.</p> <p>Wearing of the PPEs in the core zone is compulsory for all the workers, staff and executives having exposure in the coal face.</p>															
xiv	People working in the core area should be periodically tested for the lung diseases and the burden of cost on account of working in the coal mine area.	<p>Complied.</p> <p>Total number of employees of this project is 888 (Departmental employees- 770, Contractual employees-118).</p> <p>Initial Medical examination (IME) has carried out during joining period of the workers. Regular health check-up has been done once in a five years for below 45 year age workers and once in a year for above 55 years age workers. The year wise IME and PME of departmental and contractual workers are given below:</p> <table border="1" data-bbox="711 1423 1159 1724"> <thead> <tr> <th>F.Y</th> <th>Target</th> <th>Achievement</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>188</td> <td>169</td> </tr> <tr> <td>2017-18</td> <td>133</td> <td>135</td> </tr> <tr> <td>2018-19</td> <td>226</td> <td>235</td> </tr> <tr> <td>2019 (Up to Aug 2019)</td> <td>171</td> <td>111</td> </tr> </tbody> </table> <p>Monitoring of health check-up of</p>	F.Y	Target	Achievement	2016-17	188	169	2017-18	133	135	2018-19	226	235	2019 (Up to Aug 2019)	171	111
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		employees is found to be low against current employee's strength. Regular health check-up of departmental and contractual employees needs to be increased.
xv	The mining area should be surrounded by green belt having thick closed thick canopy of the tree cover.	Complied. At present, 111,500 nos. of plantations of the native species in area of 27.65 ha has already been done. Density of the plants is kept at 2500 plants per hectare. Moreover, PP has proposed plantation of 100000 nos. in 40 ha land of OB and slope in FY 2024-25. (Annex-11_Geotagged Plantation Photos)
xvi	The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side and stabilized with plantation so as to withstand the peak water flow of and prevent mine inundation.	Complied. Kanhani river is flowing about 1.02 km from the mine boundary and a small nalla is flowing between mine boundary and Kanhani river. Embankment has been constructed with top width 20 m and 4.5 m height around mine to withstand the peak water flow and prevent mine inundation. Further, Embankment, desilting of nallah, garland/catch drains are routine practices.
xvii	There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.	Complied. Backfilling of OB is carried out at the distance of 0.5 km from the Kanhani river. No overflow of OB into the river is ensured. Plantation around the OB has been done. However, concerning agricultural fields and adjoining villages, desilting of the existed Nallah is done before monsoon season.

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xvii i	OB shall be stacked at one earmarked external OB dumpsite(s) only. The ultimate slope of the dump shall not exceed 28. Monitoring and management of existing reclaimed dumpsites shall be submitted to the Ministry of Environment, Forest and Climate Change and its concerned Regional office on yearly basis.	Complied. It is submitted that the two OB dumps with height about 50 m (dump-KD1 & dump-BF2) are being kept at earmarked sites by maintaining slope of sump less than 28 degree as per the study carried out during April 2019 by Department of Mining Engineering, IIT BHU. The reports are regularly submitted to IRO, MOEF&CC, Nagpur. (Annex-8_Email to IRO, MoEF&CC)
xix	Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drain shall be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50 % safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.	Complied. Desilting of catch/garland drains and existed nallah need has been provided. Sump is provided for mine water. Sedimentation pond is in operation for secondary treatment of the mine discharged water. Mine water after passing through in sedimentation pond is used for mining activities, green belt and drinking purposes. (Annex-9_Photo of sedimentation tank)
xx	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	Complied. Catch drains are provided around the OB dumps to arrest the silt and sedimentation during rainy season from the OB dumps. Desilting of catch/garland drains and existed nallah is ensured before onset of monsoon.

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xxi	<p>Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system shall be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points etc.</p>	<p>Complied.</p> <p>Sprinklers are provided for crushers to suppress fugitive dust emission. Conveyor belts and hoppers are covered by metal sheet to suppress the dust emission. Mist type sprayer are provided for conveyor, transfer points, etc. to suppress the fugitive emission during crushing operation.</p> <p>(Annex-10_ Geotagged Photos of Mist Canon System)</p>
xxii	<p>Drills shall be wet operated.</p>	<p>Complied.</p> <p>Wet drilling is carried out as per DGMS guidelines.</p> <p>(Annex-11_Undertaking)</p>
xxii i	<p>The project authorities shall undertake regular repairing and tarring of roads used for minerals transportation. A 3-tier, green belt comprising of a mix of native species shall be developed all along the major approach roads.</p>	<p>Complied.</p> <p>Block topping of road for 1.8 km (from check post to NH-7 junction via pandan road) and concrete road for 8650 sq. are provided. Repairing along the coal transportation road is done in routine.</p> <p>(Annex-12_Black Topping of Road)</p>
xxi v	<p>Controlled blasting shall be practiced with use of the delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.</p>	<p>Complied.</p> <p>Controlled basting is being practiced as per DGMS guidelines.</p> <p>(Annex-13_Undertaking)</p>

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xxv	<p>Progressive afforestation plan shall be implemented covering an area of 150.00 I la at the end of mining, which includes reclaimed external OB dump area (150.00) and internal OB dump area (nil ha) and Green belt (65 ha) by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.</p>	<p>Complied.</p> <p>At present, 111,500 nos. of plantations of the native species in area of 27.67 ha has already been done. Density of the plants is kept at 2500 plants per hectare. Moreover, PP has proposed plantation of 100000 nos. in 40 ha land of OB and slope in FY 2024-25.</p> <p>(Annex-11_Geotagged Plantation Photos)</p>
xxv i	<p>An estimated total 140.49 Mm' of OB will be generated during the entire life of the mine. Out of which 131.39 Mm³ of OB will be dumped in one external OB Dumps an earmarked area covering 254.859 ha of land with height of nil m. 226.78 Mm³ of will be two internal OB dump in covering an area of 275.797 ha with height of 90 m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self- sustaining and compliance status shall be submitted to MOEF and its Regional Office on yearly basis.</p>	<p>Complied.</p> <p>Two internal dumps and two external dumps are provided. Height and slope stability is maintained as per DGMS guidelines. Status of OB is being submitted along with six monthly compliance reports to Regional Office.</p> <p>(Annex-8_Email to IRO, MoEF&CC)</p>
xxv ii	<p>The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.</p>	<p>Condition not applicable at present but PP has consented with the condition.</p> <p>The condition will be complied with due course of time as activity can only be taken up after ceasing of the mining operations and PP is dedicated to ensure</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF & CC vide letter no. J-11015/287/2010-IA-11(M) dated 11.05.2015 for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

		the compliance in time.
xxv iii	Compensatory Ecological & Restoration of site land, other degraded land and OB dumps in lieu of breaking open the land be carried out.	Condition not applicable at present but PP has consented with the condition. The condition will be complied with due course of time as activity can only be taken up after ceasing of the mining operations and PP is dedicated to ensure the compliance in time..
xxi x	The mining should be phased out in sustainable manner. No extra over burden dumps are permitted.	Complied. The mining activities are phased out in sustainable manner. No extra over burden dumps permitted, so far. (Annex-14, Undertaking)
xxx	No groundwater shall be used for mining operations.	Complied. No Objection Certificate (NOC) for ground water abstraction has been obtained for Kamptee from Central Ground Water Authority, (CGWA), New Delhi vide NOC no CGWA / NOC / MIN / ORIG / 2019/6014 dated 09.09.2019 and valid up to 08.09.2021. The same has been applied for renewal through online portal of CGWA and is in active stage of consideration at CGWA, New Delhi after getting recommended for approval from CGWB, Nagpur. (Annex-15_NOC from CGWA and latest online status)

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xxx i	Of the total quarry area of 178.05 Ha the backfilled quarry area of 178.05 Ha shall be reclaimed with plantation and a void of 178.05 Ha at a depth up to 40 m which is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilized with plantation / afforestation by planting native plant species in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha.	<p>Condition not applicable at present but PP has consented with the condition.</p> <p>Land will be reclaimed at the end of the mine life as per the PR and Mine Closure Plan (MCP). As of now, mining activities are in progress. Backfilling is being carried out as per mining plan. Till date, the estimated quarry area of mine is 133.29 Ha (1250m length and 850 m width).</p>
xxx ii	Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment, Forest & Climate Change and the Central Pollution Control Board quarterly within one month of monitoring.	<p>Complied.</p> <p>PP has submitted that monitoring of ground water level is carried out four times in a year. Monitoring of ground water quality is carried out at once in a year. Latest ground water level monitoring report is attached.</p> <p>(Annex-16_Ground Water Monitoring Report)</p> <p>Additionally, two nos. of Piezometers (1 no. with and 1 no. without telemetry system) has been installed and data attached.</p> <p>(Annex-17_Photo of piezometer)</p>
xxx iii	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	<p>Complied.</p> <p>Pressure filter plant of 10,000 GPH capacities and overhead tank of 3 lakh litre are provided. Mine water after treatment has been supplied for the drinking purpose at Kanhan, Pipri and part of Shivora village under Kanhan Municipality Area. Rain water harvesting structure such as pits, ponds and check</p>

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		dams implemented and RWH at transit hostel is in progress. (Annex-18_Photo of RWH)				
xxx iv	Sewage Treatment Plant shall be installed in the existing colony. ETP shall also be provided for workshop and CHP.	Complied. For treatment of the sewage generated from colony, septic tank with soak pit arrangement is provided and working satisfactorily. A sewage analysis report from MOEF&CC certified agency is attached. (Annex-19_Sewage Analysis Report) Moreover, additional proposal for sewage Treatment Plant is under approval and expected to be commissioned by December, 2024. ETP with capacity of 100 KLD is provided for workshop. (Annex-20_Geotagged photos of the ETP)				
xxx v	Besides carrying out regular periodic health check-up of their workers. 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialized agency /institution within the District/State and the results reported to this Ministry and to DGMS.	Complied. Initial Medical Examination (IME) has carried out during joining period of the workers. Regular health check-up has been done once in five years for below 45 year age workers and once in a year for above 55 years age workers. The year wise IME and PME of departmental and contractual workers are given below. Details of IME/PME: (before amalgamation of mine)				
		<table border="1"> <thead> <tr> <th>F.Y</th> <th>No. of workers undergone medical check up</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>169</td> </tr> </tbody> </table>	F.Y	No. of workers undergone medical check up	2016-17	169
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		2017-18	135
		2018-19	235
		2019-20 (Up to Aug 2019)	111
xxx vi	Land oustees shall be compensated as per the norms laid out R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher.	Complied. All the land outsees are compensated as per the norms of R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher. Further, that total land to be acquired 348.27 Ha out of which till 91.34 Ha is acquired as on 10.09.2019. An amount Rs.21,77,32,012.00 is paid to land outsees. Provisions of employment to 136 persons are in progress and after that mine have been amalgamated.	
xxx vii	For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF & CC and its concerned Regional Office.	Complied. Land use pattern of the mine lease area is submitted to Regional Office, MoEF&CC, Nagpur regularly via email. The latest report is attached. The same is uploaded on its company website. (Annex-21_Satellite Imaginary Report) Link: http://www.westerncoal.in/index1.php/StaticPage/151 . (Annex-22_Report uploaded on Company's website)	
xxx viii	A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest & Climate Change within 6 months of grant of Environmental Clearance.	Complied. Mine Closure Plan is approved by WCL Board on 18.11.2015. A copy of the escrow account statement indicating available fund is attached. Details already submitted to IRO, MoEF&CC, Nagpur with Six monthly EC	

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		compliance status report. (Annex-23_MCP and Escrow account statement)
xxxix	The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	Complied. It is submitted that details of the expenditure incurred so far for infrastructure, social empowerment, water supply, etc. in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR are available on company's website showing CSR activities in last ten years with activity names and expenditure details years wise, available on the following link. Link is as below: http://www.westerncoal.in/index1.php/StaticPage/147 . (Annex-5_CSR activities on Company website)
xxxix	Corporate Environment Responsibility: a) The Company shall have a well laid down Environment Policy approved by the Board of Directors. b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. c) The hierarchical system or Administrative Order of the	a) Complied. The Coal India Limited Corporate Environment Policy 2023 duly followed WCL is attached. (Annex-24_Environment Policy of CIL) b) Complied. There exists a three-tier environment management set up in WCL as detailed below: At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary

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<p>company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.</p> <p>d) To have proper checks and balances, 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.</p>	<p>trained executives.</p> <p>At Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level - Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123</p> <p>(Annex-25_Organizational chart of the Company)</p> <p>c) Complied. There exists a three-tier environment management set up in WCL as detailed below:</p> <p>At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level - Environment Management Cell is headed by Sub Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at</p>
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		<p>link http://www.westerncoal.in/index1.php/StaticPage/123 is attached.</p> <p>(Annex-25_Organizational chart of the Company)</p>
B.	General Condition	
I	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment, Forest & Climate Change.	<p>Complied.</p> <p>There is no change in mining technology and scope of working without prior approval of the Ministry of Environment, Forest & Climate Change.</p> <p>(Annex-26_Undertaking)</p>
ii	No change in the calendar plan of production for quantum of mineral coal shall be made.	<p>Complied.</p> <p>There is no change in the calendar plan of production for quantum of mineral coal shall be made.</p> <p>(Annex-27_Undertaking)</p>
iii	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂ and NO_x monitoring. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.	<p>Complied</p> <p>Ambient air quality is monitored at four locations i.e.</p> <ol style="list-style-type: none"> 1. Juni Kamptee Village 2. Kamptee water treatment plant 3. Kandri Village G.P Office 4. Substation. <p>As per the report, it is observed that SPM, PM10 and PM2.5 levels are increased in few villages. PP need to mitigate measures where poor air quality is observed. PP did not submit report of heavy metal analysis.</p> <p>Monitoring report for the environmental attributes (01.10.2023 to 31.03.2024) is attached and parameters are within prescribed limits.</p> <p>(Annex-28_Environment Monitoring)</p>

EC compliance status for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.

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		Report)
iv	<p>Data on ambient air quality (PM₁₀, PM_{2.5} SO₂ and NO_x) and heavy metals such as Hg,As, Ni, Cd, Cr and other monitoring data shall be regularly submitted to the Ministry including its concerned Regional Office and to the State Pollution Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognized under the EPA rules, 1986 shall be furnished as part of compliance report.</p>	<p>Complied.</p> <p>Monitoring report for heavy metal analysis is attached.</p> <p>(Annex-29_Heavy Metal Monitoring Report)</p> <p>Random verification of samples through analysis from independent laboratories recognized by MOEF&CC under the EPA rules, 1986 is attached as part of compliance report.</p> <p>(Annex-30_Third party analysis report)</p>
v	<p>Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM. etc shall be provided with ear plugs/muffs.</p>	<p>Complied.</p> <p>Noise levels are monitored on fortnight basis. As per the reports, noise level is within prescribed limits. Necessary PPEs are provided to the mine workers.</p> <p>(Annex-7&28_PPE details & Environment Monitoring Report)</p>
vi	<p>Industrial site water (workshop and site water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.</p>	<p>Complied.</p> <p>Sedimentation pond is provided to treat mine sump water. ETP with capacity of 100 KLD is provided for workshop. Ground water monitoring and mine discharged water report shared.</p> <p>(Annex-9_Geotagged Photos of Sedimentation Tank)</p> <p>(Annex-28_Environment Monitoring Report)</p>
vii	<p>Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral should be</p>	<p>Complied.</p> <p>The coal transportation trucks are covered with tarpaulin covers. All the trucks used for transporting of the coal</p>

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	covered with tarpaulins and optimally loaded.	is mandatory for PUC certificate. (Annex-4_Geotagged photos trucks covered by tarpaulin) (Annex-31_Undertaking)								
viii	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analyzed through a laboratory recognized under EPA Rules,1986.	Complied. Environmental quality parameters such as ambient air, water, noise quality is being monitored by NABL, accredited laboratory on fortnight basis. Monitoring reports for the period 01.10.2023 to 31.03.2024 is attached. (Annex-28_Environment Monitoring Report)								
ix	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Complied. Necessary trainings and PPEs are provided to mine workers. (Annex-7, PPE details)								
x	Occupational health surveillance programme of workers should be undertaken periodically to observe any contractions due to exposure to coal dust and take corrective measures, if needed and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.	Complied. PP has submitted that Initial Medical Examination (IME) has carried out during joining period of the workers. Regular health checkup has been done once in five years for below 45 years age workers and once in a year for above 55 years age workers. The year wise IME and PME of departmental and contractual workers are given below: <table border="1" data-bbox="753 1499 1200 1810"> <thead> <tr> <th>FY</th> <th>Number of workers undergone medical check-up</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>169</td> </tr> <tr> <td>2017-18</td> <td>135</td> </tr> <tr> <td>2018-19</td> <td>235</td> </tr> </tbody> </table>	FY	Number of workers undergone medical check-up	2016-17	169	2017-18	135	2018-19	235
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		2019 -20 (Up to Aug 2019)	111
xi	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Company.	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p>At HO, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level - Area General Manager heads the Environment Department assisted by GM (Oprn), & Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level- Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level.</p> <p>Organizational chart of the Company at link http://www.westerncoal.in/index1.php/StaticPage/123 is attached.</p> <p>(Annex-25_Organizational chart of the Company)</p>	
xii	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office.	<p>Complied.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is submitted in every six-monthly compliance report sent to MoEF&CC.</p>	

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		<p>(Annex-32_Undertaking).</p> <p>A copy of the last three financial year environmental expenditure is attached.</p> <p>(Annex-33, Last three financial year environmental expenditure)</p>
xiii	<p>The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days 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 may also be seen at the website of the Ministry of Environment, Forest & Climate Change at http://envfor.nic.in.</p>	<p>Complied.</p> <p>Advertisement is made in the local newspapers about granting of EC within seven days:</p> <ol style="list-style-type: none"> 1) The Hitvada (English) dated 17.05.2015. 2) Tatkal (Marathi) dt.17.05.2015. <p>(Annex-34_Newspaper Advt.)</p> <p>Complied.</p> <p>A copy of the clearance letter was made available with the State Pollution control Board during/obtaining the Consent to Establish and Operate for the expansion of the mine.</p> <p>(Annex-35_Consent to Establish and Operate)</p>
xiv	<p>A copy of the environmental clearance letter shall be marked to concerned Panchayat / local NGO, if any from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on company's website.</p>	<p>Complied.</p> <p>A copy of the clearance letter has been marked to concerned Village Panchayat vide letter no. WCL/SAM/KSA/V/15/136 Dated 28/07/2015.</p> <p>(Annex-36_A copy of the clearance letter)</p> <p>A copy of the clearance letter is displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p>

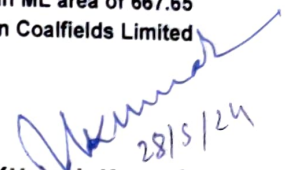
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		(Annex-37_EC uploaded on Company Website)
xv	A copy of the environmental clearance letter shall be shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office/Tehsildar's Office for 30 days.	<p>Complied.</p> <p>A copy of the clearance letter was made available with the State Pollution control Board during/obtaining the Consent to Establish and Operate for the expansion of the mine, and also displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p> <p>(Annex-35_Consent to Establish and Operate)</p>
xvi	The clearance letter shall be uploaded on the company's website. The compliance status of the stipulated environmental clearance 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. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM₁₀, PM_{2.5}, SO₂ and NO_x (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	<p>Complied.</p> <p>A copy of the clearance letter is displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p> <p>(Annex-37_EC uploaded on Company Website)</p> <p>Complied.</p> <p>A copy of six-monthly report showing EC compliance status has also been uploaded. at link- http://www.westerncoal.in/index1.php/StaticPage/155.</p> <p>(Annex-38_EC compliance uploaded on Company website)</p> <p>Complied.</p> <p>The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM₁₀, PM_{2.5}, SO₂ and NO_x (ambient) and critical sectoral parameters displayed at</p>

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		<p>on company's website. http://www.westerncoal.in/index1.php/StaticPage/153</p> <p>(Annex-39_Monitoring data uploaded on company website).</p>
xvii	The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the Ministry, respective Zonal Office's of CPCB and the SPCB.	<p>Complied.</p> <p>Six monthly compliance reports are submitted to IRO, MoEF&CC, Nagpur regularly via email. A copy of the email confirming submission of EC compliance status report for the period of 01.04.2023 to 30.09.2023 is attached.</p> <p>(Annex-8_Email to IRO, MoEF&CC)</p>
xvii i	The Regional Office of this Ministry located in the Region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	<p>Agreed to abide by this condition.</p>
xix	The Environmental statement for each financial year ending 31 March in Form-V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. As amended subsequently, shall also be uploaded on the company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF & CC by e-mail.	<p>Complied.</p> <p>Submitted environment statement to MPCB via online portal before deadline and uploaded on Company's website.</p> <p>(Annex-40_Environment Audit Statement online status)</p> <p>Link http://www.westerncoal.in/index1.php/StaticPage/265</p> <p>(Annex-41_Environment statement uploaded on company website)</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF & CC vide letter no. J-11015/287/2010-IA-11(M) dated 11.05.2015 for Extension of Kamptee Deep OC coal mine project of (Normative 1.5 MTPA to Peak 2 MTPA in an ML area of 667.65 ha; Latitude N 21°02' to N 21°15' and Longitude E 79° 13' to 79°14') of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra.


28/5/24
(Umesh Kumar)

**Mine Manager, Amalgamated Inder-Kamptee Deep OCM
M/s Western Coalfields Limited, Nagpur Area**


(Sharad Kumar Dixit),
**Dy. General Manager (Mining) / Sub Area Manager,
Amalgamated Inder-Kamptee Deep OCM
M/s Western Coalfields Limited, Nagpur Area**

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

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

S.N.	Specific Conditions	Compliance
i	The embankment constructed along the boundary with the river Kanhan will be stable and of such dimensions to withstand the peak water flow and prevent mine inundation.	<p>Complied.</p> <p>The embankment has been constructed in the existing project with the dimension of 6 m average width at top and 2m height to withstand the peak water flow and prevent mine inundation. And maximum HFL level is 279.035 m. Top RL of embankment is 283.50m.</p> <p>However, Kanhan river is approx. 2 km away from the mine working. Mine working plan attached.</p> <p>(Annex-1_Mine Working Plan)</p> <p>It is to be mentioned here that subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>
ii	There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.	<p>Complied.</p> <p>To ensure no overflow of OB into river and agricultural field, catch drain of dimension around 1.5m depth and 3 m width is provided all along the toe of the OB dump 8-8 m and another catch drain of dimension 1.5m-3m depth and 3m-6 m width is provided all along the toe of the OB dump 4-4a. Also, the Kanhan river is 2 km away from the OB dump and it is at safe distance from the mine working and massive plantation of native species is not carried out between the river and project as land is not under the possession of project. Mine working plan attached.</p> <p>(Annex-1_Mine Working Plan)</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

		<p>It is to be mentioned here that subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>
iii	<p>The mining operations shall not extend beyond 463.80 ha of the lease area until the R&R for village Tekadi has been completed and compensation paid to land oustees as per norms not less than that laid out under the National R&R policy.</p>	<p>Complied.</p> <p>The mining operations will not extend beyond 463.80 ha of the lease area. Till date no R&R of village Tekadi carried out. In future, if R&R activities are required, land oustees will be compensated as per the norms laid out under R&R policy of CIL or the National R&R Policy whichever is higher.</p> <p>(Annex-3_R&R policy of CIL)</p> <p>It is to be mentioned here that, subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>
iv	<p>OB dumps shall be stacked at two earmarked external OB dumpsite(s) The ultimate slope of the dump shall not exceed 28 degrees. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests and its regional office on yearly basis.</p>	<p>Complied.</p> <p>OB dumps stacked at two earmarked external OB dumpsite (s) viz 4-4A and 8-8A, at earmarked site within ML area. Also, ultimate slope is not exceeding 28 degrees in two stages. At present, OB dumps are active & the biological reclamation of OB dumps will start after attainment of full height.</p> <p>It is to be mentioned here that subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

v	<p>Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.</p>	<p>Complied.</p> <p>Catch drain of dimension around 1.5 m depth and 3 m width is provided all along the toe of the OB dump 8-8a and another catch drain of average 1.5m -3m depth and 3m-6m average width is provided along the toe of the OB dump 4-4a to arrest silt and sediments. Construction of sedimentation pond to treat the mine pumped out water is completed & is in operation. The mine pumped out water after discharge from the sedimentation pond with 3 nos. of baffle walls is being utilized for agricultural purpose and in near future it will fall within cutting zone and accordingly new settling pond will be constructed. The drains & Sedimentation tank with 3 nos. of baffle walls has been provided to treat the mine pumped out water.</p> <p>(Annex-4_Geotagged Photos of Sedimentation Tank)</p>
vi	<p>Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.</p>	<p>Complied.</p> <p>At present, catch drains are provided around the active OB dumps to collect the runoff & silt during rainfall. In OB benches, cross drainage is provided which collect silt & run off to the mine sump as such, separate toe wall may not be required.</p>
vii	<p>Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emission from crushing operations, conveyor system, haulage roads, transfer points, etc.</p>	<p>Complied.</p> <p>At present, Inder UG to OC mine does not have any CHP and coal is being dispatched to Kamptee CHP where mist type spray arrangement having around 25 nos. of water sprinklers has been provided on conveyor system, transfer points etc. to suppress the fugitive emission during crushing operation. Moreover, a mobile</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

		<p>crusher is in operation at Inder project, which is provided with 6 nos. of water sprinklers, which are in continuous working.</p> <p>In addition to this, 1 nos. of mobile water tankers of capacity 28 KL with mist spray arrangement and water tanker of 12 KL are also in operation for dust control.</p> <p>(Annex-5_Photos of mist canon system)</p>
viii	Drills shall be wet operated.	<p>Complied.</p> <p>Drills are fitted with dust extractors along with wet drilling arrangement are in operation.</p> <p>(Annex-6_Undertaking)</p>
ix	The project authorities shall undertake regular repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.	<p>Complied.</p> <p>All internal black tarring roads (total 1.8 km in length from check post to NH-7 junction via pandan road) is being regularly repaired & maintained for transportation of coal trucks.</p> <p>Proposal of 3 tier plantation is under process. As mine is under expansion stage and continuously moving towards south-east direction. Hence after finalization of the site, plantation may be done as per requirement.</p> <p>It is to be mentioned here that, subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>
x	Controlled blasting shall be practiced with use of delay detonators and only during	<p>Complied.</p> <p>Controlled blasting is in operation with use</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

	<p>daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.</p>	<p>of delay detonators in the daytime & although there is no reporting of the vibration in the nearby by areas as human habitation is also 2 km away from mine. Hole to hole delay detonator is being practiced for blasting to control the fly rocks and ground vibration. All blasting is done only at daytime. To control ground vibration following procedure is being implemented at mine.</p> <ul style="list-style-type: none"> a) Charge (explosive) per delay is limited to 43.5 kg for 6m hole. b) Nonelectric delay detonator is used in each hole, which has an effect in reducing ground vibration. c) Free face is provided for each blasting face. d) Blasting pattern having spaced and burden is optimized to reduce ground vibration.
<p>xi</p>	<p>A progressive afforestation which plan shall be implanted to ensure that an area of 240.55 ha is brought under afforestation which includes reclaimed external OB dump (161.05 ha), along ML boundary, along roads and infrastructure (17.50ha), embankment & vacant land (62 ha) and in area in township located outside the lease by landing native species in consultation with the local DFO/Agriculture Department. The densi5ty of the trees should be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier plantation along the main approach road to the mine.</p>	<p>Complied.</p> <p>Proposal of 3 tier plantation is under process. As mine is under expansion stage and continuously moving towards south-east direction. Hence after finalization of the site, plantation may be done as per the requirement.</p> <p>It is to be mentioned here that subject mine has been merged with Kamptee Deep OCM and named as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>

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xii	<p>Of the total quarry area of 94.50 ha, which will remain as void at a depth of 150 mt. Which is proposed to be converted into a water reservoir shall be gently sloped and the upper benches shall be terraced stabilized by plantation/afforestation by planting native plant species in consultation with the local DFO / Agriculture Department. The density of the trees should be around 2500 plants per ha.</p>	<p>Will be complied due course of time.</p> <p>This activity will come at the end of mine life & will be complied accordingly (as per EMP).</p>
xiii	<p>No groundwater shall be used for mining operations.</p>	<p>Complied.</p> <p>No Objection Certificate (NOC) for ground water abstraction has been obtained for Inder UG to OC from Central Ground Water Authority, (CGWA), New Delhi vide NOC no. CGWA/NOC/MIN/ORIG/2019/6012 dated 09.09.2019 and valid up to 08.09.2021. The same has been applied for renewal through online portal of CGWA and is in active stage of consideration at CGWA, New Delhi after getting recommended for approval from CGWB, Nagpur.</p> <p>(Annex-7_NOC from CGWA and latest online status)</p>
xiv	<p>Regular monitoring of ground water level and quality should be carried out by, establishing a network of existing wells and construction new Piezo-meters. The monitoring for quantity should be done four times in a year - pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of</p>	<p>Complied.</p> <p>Regular monitoring of ground water level and quality is being carried out by NABL Accredited laboratory (Central Mine Planning & design Institute, regional Institute - IV, Nagpur) by, establishing a network of existing wells and construction of new piezometers as mentioned in reports prepared by CMPDIL.</p> <p>The reports are being regularly submitted to MOEF&CC, Nagpur and MPCB, Nagpur</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

	<p>Environment & Forests and to the Central Pollution Control Board quarterly within one month of monitoring.</p>	<p>regularly.</p> <p>Monitoring report for the environmental attributes (01.10.2023 to 31.03.2024) is attached and parameters are within prescribed limits.</p> <p>(Annex-8_Geotagged photo of piezometer)</p> <p>(Annex-8.A_Environment Monitoring report)</p>
<p>xv</p>	<p>The company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby village (s) in case the village wells go dry due to dewatering of mine.</p>	<p>Complied.</p> <p>Ground water level is regularly monitored by the CMPDIL, Nagpur for three seasons (pre monsoon, post monsoon & monsoon) but at present, there is no reports showing about the villages well go dry due to dewatering of mine and if this kind of situation arise the corrective remedial action will be implemented for augmentation of ground water resources. Ground water monitoring report attached.</p> <p>(Annex-9_Ground water level monitoring along with ground water quality report)</p> <p>Complied.</p> <p>Pressure filter plant of 10,000 gph capacity and overhand tank of 3 lakh litres are provided. Mine water after treatment has been supplied for the drinking purpose at Kanhan, Pipri and part of Shivora village under Kanhan Municipality Area. Rainwater harvesting structure such as pits, ponds and check dams implemented and RWH at transit hostel is in progress.</p> <p>(Annex-10_Photos of Filter Plant & Rain Water Harvesting)</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

xvi	<p>Sewage treatment plant shall be installed in the existing colony. ETP should also be provided for workshop and CHP wastewater.</p>	<p>Complied.</p> <p>For treatment of the sewage generated from colony, septic tank with soak pit arrangement is provided and working satisfactorily. A sewage analysis report from MOEF&CC certified agency is attached.</p> <p>(Annex-11_Sewage analysis report)</p> <p>Moreover, additional proposal for sewage Treatment Plant is under approval and expected to be commissioned by December, 2024.</p> <p>ETP with capacity of 100 KLD is provided for workshop.</p> <p>(Annex-12_Geotagged photos of the ETP)</p>												
xvii	<p>Besides carrying out regular periodic health checkup of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupational diseases and hearing impairment, if any, through a specialized agency/institution within the District/State Govt. and the result reported to this Ministry and to DGMS.</p>	<p>Complied.</p> <p>Initial Medical Examination (IME) has carried out during joining period of the workers. Regular health check-up has been done once in five years for below 45-year age workers and once in a year for above 55 years age workers. The year wise IME and PME of departmental and contractual workers are given below.</p> <p>Details of IME/PME:(before amalgamation of mine)</p> <table border="1" data-bbox="761 1417 1234 1732"> <thead> <tr> <th>Financial Year</th> <th>No. of workers undergone medical check up</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>169</td> </tr> <tr> <td>2017-18</td> <td>135</td> </tr> <tr> <td>2018-19</td> <td>235</td> </tr> <tr> <td>2019 -20 (Up to Aug 2019)</td> <td>111</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Financial Year	No. of workers undergone medical check up	2016-17	169	2017-18	135	2018-19	235	2019 -20 (Up to Aug 2019)	111		
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xviii	<p>Land oustees shall be compensated as per the R&R Policy State Government norms whichever is norms laid out R & R</p>	<p>Not applicable at present.</p> <p>Till date no R&R of village Tekadi carried out. In future, if R&R activities are</p>												

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

	policy of CIL or the National R&R Policy or higher. R & R of village Tekadi involving 650 PAF's shall be implemented within a specified time frame as per norms not less than that prescribed in the National R&R Policy.	required, land oustees will be compensated as per the norms laid out under R & R policy of CIL or the National R&R Policy whichever is higher.
xix	For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF&CC and its Regional Office, Bhopal.	<p>Complied.</p> <p>Land use pattern of the mine is being monitored through time series land use maps based on satellite imagery (IRS R2 L4FX) on every 3 years report of same is being submitted to MoEF&CC, Regional office. The digital processing of the entire lease area using remote sensing techniques has been done by Central Mine Planning & Design Institute Ltd, Ranchi. The latest report has been prepared in year 2018 and the same has been submitted to Regional Office MOEF&CC & the satellite report has been uploaded on company's website also.</p> <p>link at http://www.westerncoal.in/index1.php/StaticPage/151.</p> <p>(Annex-13_Uploading of Satellite Monitoring Report)</p>
xx	A detailed final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests within 6 months of grant of Environmental Clearance.	<p>Complied.</p> <p>In this regard, Mine Closure Plan has been approved by WCL Board on dated 13.06.2016. Total balance amount available as on 31.03.2019 is Rs.2091.71 Lakhs (including interest & TDS deduction) after that mine has been merged and new escrow account has been generated and attached.</p> <p>(Annex-14_Escrow Account Statement)</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

xxi	The project authorities shall in consultation with the Panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	<p>Complied.</p> <p>Activities under the development of the infrastructure, water supply facilities, social empowerment, education, tarring of roads has been done by the project proponent in the nearby areas and displayed at company website showing name of the activities and expenditure associated with that activity.</p> <p>http://www.westerncoal.in/index1.php/StaticPage/147.</p> <p>(Annex-15_Display of CSR activities at Company's website)</p>
xxii	Corporate Environment Policy	Complied.
a.	The Company shall have a well laid down Environment Policy approved by the Board of Directors.	<p>Complied.</p> <p>a) The Coal India Limited Corporate Environment Policy 2018 duly followed WCL is attached <u>Western Coalfields Limited</u> under department tab followed by CIL Policy.</p> <p>(Annex-16_Environment Policy of CIL)</p>
b.	The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions	<p>Complied.</p> <p>b) Environment Policy of the CIL followed by WCL for standard operating process / procedures to bring into focus any infringements / deviation / violation of the environmental or forest norms / conditions by check and balance through inter area inspection.</p> <p>(Annex-17_Hierarchal Structure of Company)</p>
c.	The hierarchical system or administrative order of the company to deal with environmental issues and for ensuring compliance with the	<p>c) Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p>

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

	<p>environmental clearance conditions shall be furnished.</p>	<p>At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level - Area General Manager heads the Environment Department assisted by GM (Oprn.), & Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level-Environment Management Cell is headed by Sub Area Manager and assisted by Mine Manager, Project Nodal Officer (Env) at unit level. Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123 is attached.</p> <p>(Annex-18_Organizational Chart)</p> <p>A copy of the clearance letter and latest compliance report displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p> <p>(Annex-19_EC letter in public domain)</p>
d.	<p>To have proper checks and balances, 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 shareholders at large.</p>	<p>Complied.</p> <p>In compliance of the same, at present two nos. of committees has been constituted one at WCL, HQ & another at Area Level for internal monitoring of Environment clearance compliances / non-compliances observed during the inter areas inspection. The non-compliances, (if observed) reported are being submitted to GM Env / HoD, WCL, and improved / rectified with a time bound action plan.</p> <p>(Annex-20_Latest inter area inspection report with latest status)</p>
B	General Condition	

A report on status of compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/35/2010-IA.II (M) dated 06.02.2013 for Inder UG to Opencast Expansion Mining project (0.60 to 1.20 MTPA (Peak) production capacity in an area of 463.80 ha) of M/s Western Coalfields Limited located at dist. Nagpur, Maharashtra-reg

i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	<p>Complied.</p> <p>There is no change in mining technology and scope of working without prior approval of the Ministry of Environment, Forest & Climate Change.</p> <p>(Annex-21_Undertaking)</p>															
ii	No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.	<p>Complied.</p> <p>There is no change in the calendar plan of production for quantum of mineral coal shall be made.</p> <p>(Annex-22_Undertaking)</p>															
iii	<p>Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for PM10, PM2.5, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmental and ecologically sensitive targets in consultation with the State Pollution Control Board. In addition, CO and CH₄ shall also be monitored within the underground coal mine and records thereof maintained and uploaded on the company website and also submitted to MOEF, RO, Bhopal.</p>	<p>Complied.</p> <p>Four Air monitoring stations have been set up for monitoring of the PM10, PM2.5, SO₂, NO_x on every fortnight basis in consultation with Regional office of the Maharashtra State pollution Control Board at following locations:</p> <table border="1" data-bbox="784 1155 1239 1501"> <thead> <tr> <th>S. N.</th> <th>Location Details</th> <th>Location Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CMPDI Tekadi Camp</td> <td>NIOA-1</td> </tr> <tr> <td>2</td> <td>Near pit no. 6/ Manager office</td> <td>NIOA-2</td> </tr> <tr> <td>3</td> <td>G.P. office-Kandri</td> <td>NIOA-3</td> </tr> <tr> <td>4</td> <td>Colony-Water treatment plant</td> <td>NIOA-4</td> </tr> </tbody> </table> <p>As this is an opencast mine and there is no need for monitoring of CO & CH₄. The monitoring is done by CMPDIL,RI-IV, Nagpur (An NABL Accredited Lab) & reports are regularly submitted to RO,MOEF &CC twice in a year and company website also.</p> <p>A Copy of environment monitoring report produced by the Central Mine Planning &</p>	S. N.	Location Details	Location Code	1	CMPDI Tekadi Camp	NIOA-1	2	Near pit no. 6/ Manager office	NIOA-2	3	G.P. office-Kandri	NIOA-3	4	Colony-Water treatment plant	NIOA-4
S. N.	Location Details	Location Code															
1	CMPDI Tekadi Camp	NIOA-1															
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		<p>Design Institute-Regional Institute-IV, Nagpur (A NABL accredited Lab) for the period of 01.10.2023 to 31.03.2024 is enclosed showing the location of the monitoring stations & parameters analysed are within permissible limits.</p> <p>(Annex-8.A_Environment Monitoring report)</p>									
iv	<p>Fugitive dust emissions (PM10 & PM2.5) from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, and dump trucks (loading & unloading) should be provided and properly maintained.</p>	<p>Complied</p> <p>To Air pollution control, black topping of coal transportation road has been completed for a length of 1.80 KM.</p> <p>At present, Inder UG to OC mine does not have any CHP and coal is being dispatched to Kamptee CHP where mist type spray arrangement having around 25 nos. of water sprinklers has been provided on conveyor system, transfer points etc. to suppress the fugitive emission during crushing operation. Moreover, a mobile crusher is in operation at Inder project, which is provided with 6 nos. of water sprinklers in continuous working.</p> <p>In addition to this, 1 no. of mobile water tanker of capacity 28 KL with mist spray arrangement and contractual tanker of capacity 12 KL are also in operation for dust control.</p>									
v	<p>Data on ambient air quality (PM10, PM2.5, SO₂ & NO_x) shall be regularly submitted to the Ministry including its Regional Office at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.</p>	<p>Complied.</p> <p>Four Air monitoring stations have been set up for monitoring of the PM10, PM_{2.5}, SO₂, NO_x on every fortnight basis in consultation with Regional office of the Maharashtra State pollution Control Board at following locations:</p> <table border="1"> <thead> <tr> <th>S. N.</th> <th>Location Details</th> <th>Location Code</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CMPDI Tekadi Camp</td> <td>NIOA-1</td> </tr> <tr> <td>2</td> <td>Near pit no. 6/</td> <td>NIOA-2</td> </tr> </tbody> </table>	S. N.	Location Details	Location Code	1	CMPDI Tekadi Camp	NIOA-1	2	Near pit no. 6/	NIOA-2
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	Manager office										
3	G.P. office-Kandri	NIOA-3									
4	Colony-Water treatment plant	NIOA-4									
		<p>As this is an opencast mine and there is no need for monitoring of CO & CH4. The monitoring is done by CMPDIL, RI-IV, Nagpur (An NABL Accredited Lab) & reports are regularly submitted to RO, MOEF &CC twice in a year and company website also.</p> <p>A Copy of environment monitoring report produced by the Central Mine Planning & Design Institute-Regional Institute-IV, Nagpur (A NABL accredited Lab) for the period of 01.10.2023 to 31.03.2024 is enclosed showing the location of the monitoring stations & parameters analysed are within permissible limits.</p> <p>(Annex-8.A_Environment Monitoring report)</p>									
vi	<p>Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc. should be provided with earplugs / muffs.</p>	<p>Complied</p> <p>Adequate measures are being taken for control of noise level below 85 dBA in the work environment. Workers are not allowed to be exposed above 85 dBA. Earplugs & muffs are provided to all concerned workers as per the DGMS norms. In addition, maintenance of HEMMs are carried out on regular basis to control noise. A copy of noise level monitoring carried out by CMPDIL is enclosed herewith. All values are well within the permissible limit as per the reports.</p> <p>(Annex-8.A_Environment Monitoring report)</p>									

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vii	<p>Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.</p>	<p>Complied.</p> <p>The pumped-out water from the mine is being treated in the sedimentation pond with 3 nos. of baffle walls is being utilized for agricultural purpose and in near future it will fall within cutting zone and accordingly new settling pond will be constructed & effluent from workshop is being treated in ETP of 100 KLD capacity with zero-discharge and oil & grease trap. Adequate measures is being taken (if need arises) to maintain the quality of water within permissible limits. An Oil skimmer has also been installed at ETP. The quality of mine pumped out water is being monitored by CMPDIL.</p> <p>(Annex-23_Water quality monitoring report)</p>
viii	<p>Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.</p>	<p>Complied.</p> <p>It is mandatory for the entire mineral transporting vehicle to carry a certificate showing pollution under control (PUC). At present, all vehicles are operating with the same. Further, all vehicles used for transporting the mineral are properly covered with tarpaulins and are kept under load and regular inspection is being done to avoid violation of condition through CCTV camera also.</p> <p>(Annex-24_Tarpaulin covering on trucks)</p>
ix	<p>Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analyzed through a</p>	<p>Complied.</p> <p>The environmental monitoring for the environmental quality parameters of this mine is being done by Central Mine Planning & Design Institute-Regional Institute-IV, Nagpur (A NABL accredited Lab) having an Environmental Laboratory</p>

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	<p>laboratory recognized under EP Rules, 1986.</p>	<p>manned by qualified & trained engineers.</p> <p>Four ambient air quality monitoring stations (in core zone and buffer zone for RPM, SPM, SO₂, NO_x & CO monitoring) have been fixed after in consultation with the SPCB. I.e. MPCB-Regional Office, Nagpur.</p> <p>A Copy of environment monitoring report produced by the Central Mine Planning & Design Institute-Regional Institute-IV, Nagpur (A NABL accredited Lab) is enclosed showing the location of the monitoring stations & parameters analysed with its permissible limits is enclosed.</p> <p>(Annex-8.A_Environment Monitoring report)</p>
<p>x</p>	<p>Personnel working in industry areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof.</p>	<p>Complied</p> <p>They are being provided with protective gears like dust masks, torch, jacket, helmet, goggles, whistle, hand-gloves etc.</p> <p>Details of last 3 FY up to March 2020:</p> <p>Dust masks: 38 nos., Jacket: 68 nos., Goggles: 42 nos., Helmet: 33 nos., handgloves:1 nos. and Torch: 68 nos.</p> <p>As per mine statute, all personnel working in mines is being given training & re-training on safety aspects.</p> <p>Training & Information gave to nos. of workers on safety and health aspects at VTC in last 3 years: 34 nos. (Departmental) and 184 nos. (Contractual)</p> <p>For surveillance of occupation health among workers, periodic medical examination is done for every employee once in five years, as per statutes, in all the mines.</p> <p>Total IME/PME carried out in last 3 years:</p>

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		<p>97 nos. (Departmental) and 223 nos. (Contractual)</p> <p>In the FY 2019-20, the mine has merged with Kamptee Deep OCM as Amalgamated Inder Kamptee Deep OCM.</p> <p>(Annex-2_EC of the merged mine)</p>
xi	<p>A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the company.</p>	<p>Complied.</p> <p>There exists a three-tier environment management set up in WCL as detailed below:</p> <p>At HQ, WCL- The cell is headed by GM (Env) reporting to Director Technical. The team comprises of multi-disciplinary trained executives.</p> <p>At Area level – Area General Manager heads the Environment Department assisted by GM (Oprn), &Area Nodal Officer (Environment) of Environment discipline.</p> <p>At Unit Level-Environment Management Cell is headed by Sub-Area Manager and assisted by Mine Manager, Project Nodal Officer (Envnt) at unit level.</p> <p>Organizational chart of the Company at link - http://www.westerncoal.in/index1.php/StaticPage/123 is attached.</p> <p>(Annex-18_Organisational Chart)</p>
xii	<p>The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office at Bhopal.</p>	<p>Complied.</p> <p>The funds earmarked for environment protection measures are kept in separate account and it is not used for any other purpose. Expenditure statement is submitted in every six-monthly compliance report sent to MOEF&CC.</p>

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		<p>(Annex-25_Email to MoEF&CC for EC compliance report)</p> <p>Capital Expenditure is Rs. 18.48 lakhs and Revenue Expenditure till 31/03/2020 is Rs. 309.02 lakhs. A copy of the last two financial year environmental expenditure is attached.</p> <p>(Annex-26_Environmental Expenditure)</p>
xiii	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed to abide by this condition.
xiv	A copy of EC will be marked to concerned Panchayat / local NGO, if any, from whom and suggestion / representation has been received while processing the proposal.	<p>Complied.</p> <p>A copy of the clearance letter has been marked to concerned Village Panchayat vide letter no. WCL/SAM/KSA/V/03 Dated 24.02.2013.</p> <p>(Annex-27_Grampanchayat letter)</p> <p>A copy of the clearance letter and latest compliance report displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p> <p>(Annex-19_EC letter in public domain)</p>
xv	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office / Tahsildar's Office for 30 Days.	<p>Complied.</p> <p>A copy of the clearance letter was made available with the State Pollution control Board during/obtaining the Consent to Establish and Operate for the expansion of the mine.</p>

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		<p>(Annex-28_CTE and CTO from SPCB)</p> <p>Additionally, same is communicated through six monthly EC compliance report to Regional Office, MPCB, Nagpur for compliance of the same.</p>
xvi	<p>The project authorities shall advertise at least in two local newspapers widely circulated around the project, once of which shall be in the vernacular language of the locality concerned within seven days 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 may also be seen at web site of the Ministry of Environment & Forests at http://envfor.nic.in.</p>	<p>Complied</p> <p>Necessary advertisements were issued in the following newspaper.</p> <p>1) The Hitvada (English) dt. 23.03.2013 2) Lokmat (Marathi) dt. 23.03.2013.</p> <p>(Annex-29_Newspaper Advertisement)</p> <p>Complied.</p> <p>A copy of the clearance letter was made available with the State Pollution control Board during/obtaining the Consent to Establish and Operate for the expansion of the mine.</p> <p>(Annex-28_CTE and CTO from SPCB)</p> <p>A copy of the clearance letter and latest compliance report displayed on company's website by link at http://www.westerncoal.in/index1.php/StaticPage/154.</p> <p>(Annex-13 & 19_Company's website screenshot)</p>

Umesh Kumar
28/5/24

(Umesh Kumar)
Project/Mine Manager,
Amalgamated Inder Kamptee Deep OCM,
Kamptee Sub Area,
Western Coalfield Limited, Nagpur Area


(Sharad Kumar Dixit)
Dy. General Manager (Min)/Sub Area Manager,
Kamptee Sub Area,
Western Coalfield Limited, Nagpur Area