

# E.M.P. COMPLIANCE REPORT

AS ON 01.10.2022

## HINDUSTAN LALPETH OPEN CAST EXPANSION PROJECT



WESTERN COALFIELDS LIMITED

CHANDRAPUR AREA

**Project : HINDUSTAN LALPETH OPENCAST EXPANSION PROJECT****Environmental Clearance: FOR COAL PRODUCTION CAPACITY OF 1.00 M Te/Yr****Ref. No. : IA-J-11015/93/2005. IA. II (M) dt: 03<sup>rd</sup> March, 2021****Compliance Report : 01.04.2022 to 30.09.2022****COMPLIANCE REPORT AGAINST ENVIRONMENTAL CLEARANCE**

<b>Sr. No.</b>	<b>A. Specific Conditions</b>	<b>Compliance</b>
i	PP shall implement rain harvesting mechanism in order recharge the ground water or as water conservation measure in addition to the proposed structure	Location has been identified. Rain Water Harvesting Structure to be built at 88.02 Sqm Service building at HLOC Mine covering an area of 114.75 sq.m during 2022-23
ii	PP shall carry out regular monitoring of Ground water level and quality.	Ground water monitoring is carried out four times a year for ground water level and once in a year for quality and report is submitted to Regional Office of MoEF&CC and CGWB
iii	Effective safeguard measures for prevention of dust generation and subsequent suppression like regular water sprinkling shall be carried out in areas prone to air pollution. The Fugitive dust emission from all sources shall be regularly controlled by installation of required equipment's. it should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	Following arrangements have been made to curb fugitive emissions and Air Pollution as a whole: (i) CHP has been provided with GI Sheet Cladding. (ii) 13 No. of Mist Sprayers Provided in the CHP. (iii) 01 mobile tanker of Capacity 10 KL (Contractual) for mine premises & Coal transport road. (iv) 01 Fog cannon installed near CHP & Weigh bridge and Proposal for procurement of 04 Nos. fog cannon is under process. (v) Regular water sprinkling by Mobile tanker (Contractual) on haul road. (vi) Proposal for procurement of 01 No. CAAQMS under process. (vii) Proposal for additional sprinklers is under process
iv	The PP shall submit time bound action plan to the concerned Regional Office of Ministry within 6 months from the date of issuance of EC for undertaking the activities committed during the Public Consultation.	Complied. ATR has already been submitted and complaints raised during the PH has been resolved.
v	PP shall install two continuous air quality monitoring station and made operation by December 2021 and there all time data so generated to be uploaded on company website. In addition, data should also be displayed digitally at entry and exist gate of mine lease area for public display.	Proposal for procurement of 02 No. CAAQMS under process.
vi	Adequate effectiveness of EMP should be analyzed in the offset/hike of air pollution data from continuous monitoring station and quarterly report shall be generated and submitted with 6 monthly compliance report to RO, MoEF & CC.	Noted Presently, ambient air quality monitoring is done on fortnight basis. The Quarterly report of the same is being submitted to the MoEF&CC and SPCB regularly. Once the CAAQMS becomes operational the adequate effectiveness could be assessed and be implemented
vii	Continuous monitoring of Occupational health safety and other health hazards and the corrective actions need to be ensured.	In HLOC Mine, for both the departmental & contractual manpower engaged in the active mining operations and ancillary operations, health check-up is being done before induction i.e. IME and periodically i.e. PME once in 3/5 years by WCL's Area Hospital, Chandrapur. Around 33.33% (>45 years) & 20% (<45 Year) of the employees are sent for P.M.E every year and the details are submitted to DGMS. The

		following are the details of Deptt. Employee & Contractual Manpower sent for PME in last 5 years: as per <b>Annexure-Q</b> .
viii	5 nos. of Fog canon (mistsprayer) shall be installed to reduce the impact of air pollution.	Already one Fog Cannon has been installed and in operation. Proposal for procurement of 04 Nos. fog cannon is under process.
ix	Water quality and Bioassay test of Erai River shall be monitored quarterly and submitted to State Pollution Control Board. No water shall be discharged in river without treatment.	Water is allowed to settle in mine sump and then supernatant water is allowed to pass through sedimentation tank for settling suspended particles if any. Water Quality is monitored fortnightly and reports are submitted to Regional office, MoEF&CC on monthly basis. Incorporation of Bioassay test will soon be done by engaging our Consultant CMPDIL and report will be submitted on Quarterly basis.
x	Project proponent to plant 150,000 nos. of native trees with broad leaves along the periphery of habitation/villages to prevent the effect of air pollution. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer.	Noted.  In the first phase during 2021-22, 5 ha. Land shall be brought under plantation along periphery. A total of 12500 no. of plants comprising of native species with broad leaves shall be planted.
xi	Project Proponent shall obtain blasting permission from DGMS for conducting mining operation near village and also explored employment of rock breakers of suitable capacity in the project to avoid blasting very near to villages. There shall be no damages caused to habitation/structures due to blasting activity.	Permission for control blasting within blasting zone is in under process.  Blasting is being conducted with control blasting technique to avoid damage due to blasting
xii	The Project Proponent shall comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 2 <sup>nd</sup> August 2017 in Writ Petition (Civil) No.114 of 2014 in the matter of Common Cause versus Union of India and Ors.	Not Applicable.  No illegal mining is carried out in the project. Production of the mine has always remained below the EC limits.
xiii	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgment dated 8 <sup>th</sup> January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing	Noted.  Presently the mine is in operation and has a life of 8 years as per Latest RPR/MCP approved by Board on 30.09.2020

	<p>the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEFCC.</p>	
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i	All the conditions stipulated by MPCB in their NOC shall be effectively implemented	All the conditions stipulated by MPCB in their NOC are being implemented																																								
ii	The embankment constructed along with the boundary with the River Erai shall be of suitable dimensions and stabilized with Plantation to withstand the peak water flow and prevent mine inundation	<p>The embankment around the Erai river has been constructed at the starting of mine which is sufficient strengthened and already plantation has been completed and green belt has already been developed. The embankment is constructed on hard strata and there is no condition of water to enter into mine area. It has parameters as follows;</p> <p>Top length average-----760 mtr Bottom width average—110 mtr Bottom R.L. average----180 mtr Top RL-----196 mtr H.F.L.-----180.267 mtr on 15.9.1959</p>																																								
iii	O.B. dumps should be stacked at earmarked dump site(s) only and should not be kept active for long period. Proper terracing of OB dump should be carried out so that the overall slope will come down to 28 degree. Monitoring and management of rehabilitated areas should continue till the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on yearly basis.	<p>The project has dumped external over burden in mining leasehold area and the dump has been made in two stages. The max height of the existing dumps are 25 m only. The site slope has been already maintained in 1:2 ratio. We have already completed the plantation on above external OB dumps as well as in slope. Most of plantation has become tree and project has maintained its proper protection and green belt developed in self sustaining and there is no chance of sliding of dump materials in any site. All external dumps have been shown on plan.</p> <table><tr><th>Sr. no .</th><th>Name of Dump</th><th>Area (in Ha)</th><th>Ht. min. (m.)</th><th>Slope</th></tr><tr><td>1</td><td>Near weigh bridge</td><td></td><td></td><td></td></tr><tr><td>2</td><td>South of Siddharth nagar</td><td>2.64</td><td>5.75</td><td>1:2</td></tr><tr><td>3</td><td>Near Area Hospital</td><td>7.0</td><td>18.9</td><td>1:2</td></tr><tr><td>4</td><td>RK office to JJ -Site</td><td>33.33</td><td>23.5</td><td>1:1.8</td></tr><tr><td>5</td><td>South of Manna Incline</td><td>38.40</td><td>26.0</td><td>1:1.8</td></tr><tr><td>6</td><td>North of Manna Village</td><td>10.93</td><td>22.25</td><td>1:2</td></tr><tr><td></td><td>TOTAL</td><td colspan="3">205632 no.s trees planted over 68 Ha. area with species like teak, neem, Haldu, karanj, cassia, Kadam etc.</td></tr></table>	Sr. no .	Name of Dump	Area (in Ha)	Ht. min. (m.)	Slope	1	Near weigh bridge				2	South of Siddharth nagar	2.64	5.75	1:2	3	Near Area Hospital	7.0	18.9	1:2	4	RK office to JJ -Site	33.33	23.5	1:1.8	5	South of Manna Incline	38.40	26.0	1:1.8	6	North of Manna Village	10.93	22.25	1:2		TOTAL	205632 no.s trees planted over 68 Ha. area with species like teak, neem, Haldu, karanj, cassia, Kadam etc.		
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iv	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilized for watering	For existing Lalpeth Open Cast Mine, garland drain, Catch drain size (3.50 mtr x 2.50 mtr) is constructed around periphery of mine for a total length 4.10 km so as to arrest silt and sediment flow from OB dumps and mine. The Water collected is used for dust Suppression, Green belt																																								

	the mine area, roads, green belt development etc. The drains should be regularly de-silted and maintained properly. Garland drains of appropriate size should be constructed, so to collect surface run-off from the OB and waste dump site(s) and taken to settling pond before discharge.	maintenance etc. The garland drain around the mine & OB are desilted and maintained on regular basis before onset of monsoon and during monsoon.																											
v	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.	A retaining wall along toe of OB dump at HLOC was constructed to prevent deposition of O.B. into nearby river. The wall was constructed in two parts A: 290.00 m. and B: 60.00 m. Height of the wall: 3 m. above G.L. Picture of the same attached in <b>Annexure-V</b>																											
vi	Crushers at the CHP should 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.	In existing HLOC, CHP has been provided with 13 nos of mist sprinklers in both feeder, breaker to arrest the dust emission. To arrest the dust from discharge point and from conveyor belt we have provided side cladding on both sides of conveyor and mist sprayers on the conveyor belt. 1 no of Mobile tankers of 10 KL capacity has been deployed for dust suppression from transfer points, around CHP area. Picture of the same attached as <b>Annexure-V</b>																											
vii	Drill should be wet operated	Mine is being run by H.O.E. (Hiring of Equipment) as per approved P.R. During operation of mine, wet drilling is done as per the condition. This is being ensured by including use of wet drilling technology as one of the terms and conditions in the contract for HOE.																											
viii	Control blasting should be practiced with use of delay detonators and only during day time. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	In HLOC mine, as per the statute, controlled blasting operations with shock tubes & delay detonators is done in day time with limited charge per delay and charge per hole.																											
ix	A progressive afforestation plan shall be implemented which includes reclaimed external OB dump (118 Ha) back filled area (12 Ha.) along ML boundary (5ha) along roads and infrastructure ( 5.15 ha) ,embankment, vacant land (5ha) and in area in township located outside the lease by planning native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	<p>Till date, 218132 nos. of saplings have been planted covering an area of 73 Ha. at various locations viz. OB dumps, backfilled area etc. The details of the plantation done are given in the below table:</p> <table border="1"> <thead> <tr> <th>Sr. no</th><th>Name of Dump</th><th>Area</th></tr> </thead> <tbody> <tr> <td>1</td><td>Near weigh bridge.</td><td>0.6 Ha</td></tr> <tr> <td>2</td><td>Near Siddharth nagar.</td><td>3.8 Ha</td></tr> <tr> <td>3</td><td>Near Area Hospital.</td><td>12 Ha</td></tr> <tr> <td>4</td><td>RK office to JJ –Site.</td><td>33.6 Ha.</td></tr> <tr> <td>5</td><td>South side of Manna Incline</td><td>35 Ha.</td></tr> <tr> <td>6</td><td>South side of coal stock</td><td>12.70 Ha.</td></tr> <tr> <td>7</td><td>Near coal stock yard heap no.4</td><td>16.3 Ha.</td></tr> <tr> <td>8</td><td>Near Nandgaon sand bunker and bank of Erai river near bridge</td><td>12.00 Ha.</td></tr> </tbody> </table>	Sr. no	Name of Dump	Area	1	Near weigh bridge.	0.6 Ha	2	Near Siddharth nagar.	3.8 Ha	3	Near Area Hospital.	12 Ha	4	RK office to JJ –Site.	33.6 Ha.	5	South side of Manna Incline	35 Ha.	6	South side of coal stock	12.70 Ha.	7	Near coal stock yard heap no.4	16.3 Ha.	8	Near Nandgaon sand bunker and bank of Erai river near bridge	12.00 Ha.
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		9	Behind dump near Jagannath Baba Math. & along the road near Nandgaon sand bunker	10.80 Ha
		10	Along river bed near Jagannath Baba Math	5.00 Ha.
			T O T A L (Progressive)	218132 nos. trees planted over 73 Ha. area with species like teak, neem, Haldu, karanj, casia, Kadam etc.
x	Of the excavated area of 77.21 ha. an area of 18 ha shall be back filled and reclaimed with plantation(12 ha) and the balance 47.21 ha which is being converted into a water reservoir and peripheral fencing should be constructed. The upper benches of the void shall be gently stopped and shall be 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.	At present the HLOC Mine is in developing stage. Till date, an area of 103.4 Ha. has been excavated and back filling work is in progress. At present an area 3.442 Ha land that is biologically reclaimed after backfilling up to ground level. Remaining area of 93 ha will be backfilled by the end of mine life. Balance 38 ha. of mine void will be used as water reservoir/ water recharge structure after the closure of mine with peripheral fencing around it. Regarding stabilization and plantation of OB dumps, it is submitted that, OB dumps with average height of 17 m have been stabilized and about 182502 nos. of saplings planted over the OB Top & Slope.		
xi	The company shall obtain approval of CGWA/CGWB Regional Office for use of ground water if any, for mining operation	Ground Water NOC obtained from CGWB vide NOC No.CGWA/NOC/MIN/ORIG/2022/14710dtd: 03.03.2022 Valid upto 02.03.2024 enclosed as <b>Annexure-O</b>		
xii	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction of new peizometers. The monitoring for quantity should 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 should be submitted to the Ministry of Environment & Forest and to the Central Pollution Control Board quarterly within one, month of monitoring.	The monitoring of the ground water level is being carried out four times a year by establishing network of exiting well & quality analysis is being done once a year during non-monsoon season as per the EC condition. Monitoring reports are submitted to MOEF and RO, CGWB, CPCB on regular basis. Ground Water Monitoring Level Report for period <b>PERIOD-NOV-DEC-2021 (POST-MONSOON)&amp; JAN-FEB-2022 (WINTER)</b> Copy enclosed as <b>Annexure-P</b> .		
xiii	The company shall put up artificial ground water recharge measures for augmentation of ground water resource. The project authorities should meet water requirement of nearby villages in case the village wells go dry due to de-watering of mine	The HLOC Mine has developed in two parts one is south quarry and another north quarry. As per the approved mining plan/EMP, southern quarry will be backfilled and northern quarry will be used as groundwater recharge structure or storage structure of water. This will help in improving the water table and water requirement of nearby villages during water scarcity months are met from the project by supplying water through tankers. Also an overhead reservoir has been constructed for supply of the stored ground water to nearby villages.		
xiv	Sewage treatment plant should be installed in the existing colony. ETP should also be provided for workshop and CHP	There is no Colony for HLOC manpower. The man power of the HLOC is settled in nearby township of HLC & Nandgaon Incline Colony which is provided with Septic tank followed		

	waste water.	by soak pit. Office establishments and service buildings are provided with Septic tank followed by soak pits. For treatment of effluent from workshop, ETP of capacity 75 KLD with O & G trap is in operation.																																				
xv	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 disease and hearing impairment, if any, through an agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	<p>In HLOC Mine, for both the departmental &amp; contractual manpower engaged in the active mining operations and ancillary operations, health check-up is being done before induction i.e. IME and periodically i.e. PME once in 3/5 years by WCL's Area Hospital, Chandrapur. Around 33.33% (&gt;45 years) &amp; 20% (&lt;45 Year) of the employees are sent for P.M.E every year and the details are submitted to DGMS. The following are the details of Departmental employee &amp; Contractual Manpower sent for PME in last 5 years: as per <b>Annexure-Q</b>.</p> <table><tr><th>Sr. no.</th><th>Year</th><th>No. of employees</th><th>Contractual Manpower</th></tr><tr><td>1</td><td>2015</td><td>205</td><td>17</td></tr><tr><td>2</td><td>2016</td><td>217</td><td>05</td></tr><tr><td>3</td><td>2017</td><td>180</td><td>05</td></tr><tr><td>4</td><td>2018</td><td>121</td><td>04</td></tr><tr><td>5</td><td>2019</td><td>72</td><td>02</td></tr><tr><td>6</td><td>2020</td><td>64</td><td>00</td></tr><tr><td>7</td><td>2021</td><td>57</td><td>63</td></tr><tr><td>8</td><td>2022 (Till September )</td><td>43</td><td>119</td></tr></table>	Sr. no.	Year	No. of employees	Contractual Manpower	1	2015	205	17	2	2016	217	05	3	2017	180	05	4	2018	121	04	5	2019	72	02	6	2020	64	00	7	2021	57	63	8	2022 (Till September )	43	119
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xvi	Digital processing of the entire lease area using remote sensing technique should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office at Bhopal.	<p>Digital processing of entire lease area using Remote sensing technique is being done once in 3 years and submitted to RO, MoEF &amp; CC along with half yearly compliance report and these reports are uploaded on to the Company Website at <a href="http://westerncoal.in">http://westerncoal.in</a>. Latest Digital processing report for the year 2022 for HLOCP is attached as <b>Annexure-S</b>.</p>																																				
xvii	A final mine closure plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forest within 6 months for approval.	<p>Mine Closure Plan (MCP) of Hindustan Lalpeth OC was approved by WCL board vide letter dated 06-02-2014 as per the guidelines of MoC, Gol dated 27-08-2009 &amp; 07-01-2013. The MCP was submitted to MoEF &amp; CC along with Half yearly Compliance. Total Corpus as per the approved MCP is 3076.24 Lakhs. As per the guidelines, Escrow Account has been opened for the Mine with Punjab National Bank (PNB) Escrow Account No. 08973161003321 (Original) Escrow Account No. 0897107600001027 (Renewed) Total Amount Deposited till date 31.03.2022 is Rs. 24,04,32,427.00</p>																																				
xviii	Consent to operate shall be obtained before expanding mining operations.	<p>Valid Consent exist. Consent order No. Format 1.0/CAC/UAN No. 0000108131/CR-2204000649 Dtd. 12.04.2022. The Consent was valid upto 31.03.2023</p>																																				




B	General Conditions	Compliance																		
i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Noted for compliance. During mining, Dumper - Shovel combination is used as per the approved Mining Plan and EMP.																		
ii	No change in the calendar plan including excavation, quantum of mineral coal and waste should be made	<p>In general, mining is done as per the approved Mining plan/EM.</p> <p>The coal- OB production data for last 5 years is as below:</p> <table border="1" data-bbox="783 465 1528 689"> <thead> <tr> <th>Financial Year</th><th>Coal (Tonne)</th><th>OB (m3 )</th></tr> </thead> <tbody> <tr> <td>2018-19</td><td>0.00</td><td>0.00</td></tr> <tr> <td>2019-20</td><td>0.00</td><td>0.00</td></tr> <tr> <td>2020-21</td><td>0.00</td><td>0.00</td></tr> <tr> <td>2021-22</td><td>0.457</td><td>4.377</td></tr> <tr> <td>2022-23</td><td>0.594</td><td>3.526</td></tr> </tbody> </table>	Financial Year	Coal (Tonne)	OB (m3 )	2018-19	0.00	0.00	2019-20	0.00	0.00	2020-21	0.00	0.00	2021-22	0.457	4.377	2022-23	0.594	3.526
Financial Year	Coal (Tonne)	OB (m3 )																		
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iii	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> & CO monitoring. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	<p>Four number of ambient air monitoring stations have been established as per metrological data topographical features &amp; environmentally sensitive targets (like habitation) &amp; in consultation with MPCB. The details of the AAQMS monitoring stations are placed below :</p> <p>i) Manager Office (Nandgaon)  ii) Manna village  iii) Manager Office (HLPOC)  iv) Colony (Nandgaon).</p> <p>Monitoring is being carried out every fortnightly as per GSR 742 (E)/ Coal industry standards.</p>																		
iv	Fugitive dust emissions (SPM and RPM) 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 and unloading) points should be provided and properly maintained.	<p>The following measures are commissioned to mitigate air pollution due to mining operations:</p> <p>a) 13 no.s of Mist spray Nozzles are provided in CHP feeder, breaker for dust control.  b) 3 no.s of rainguns in CHP/Weigh bridge area  c) 1 no. of mobile tankers are in operation for water spraying on coal transport road and CHP premises.  d) Mechanical sweeping machine has been commissioned on rotation basis.</p> <p>For monitoring of fugitive dust emissions three stations have been fixed and are being monitored on quarterly basis.The</p>																		
v	Data on ambient air quality (RPM, SPM, SO <sub>2</sub> , NO <sub>x</sub> , CO) should be regularly submitted to the Ministry including its regional office at Bhopal and the States Pollution Control Board / Central Pollution Control Board once in six months	data on ambient air quality monitoring which is carried out at HLOC, is submitted every month to MPCB & MOEF vide email. The reports for period April -2022 to September - 2022 are enclosed as <b>Annexure –N</b> .																		
vi	Adequate measures should be taken for control of noise level below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc. should be provided with ear plugs/muffs	In order to control excessive noise during operation, regular maintenance of all HEMMs is being done Manpower engaged in the active mining operations are provided with PPE, protective gears namely ear plugs & muffs are carried out. Noise survey is being done regularly by noise meter and the noise levels are under permissible limits. However no mining activity such drilling and Blasting is going on due to non-availability of land.																		
vii	Industrial waste water (workshop and waste water from the mine should be properly collected, treated so as to conform the standard prescribed under GSR422(k)dated 19th May 1993 and 31st	Monitoring of mine discharge water & ETP effluent water is being done once in fortnight as per GSR 742 (E) and the reports being submitted to RO, MoEF & CC and MPCB on regular basis vide email. The details of water treatment facilities commissioned are given below:																		

	December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.	1. Workshop ETP (75 KLPD capacity) is provided with pre-settling tank, drain, oil & grease trap, sedimentation tank & clear water tank. The treated effluent is reused for washing of HEMM. There is no discharge of effluent to outside nallah. 2. Mine discharge water is made to pass through the Mine water treatment plant of dimensions 28 m X 7 m X 2 m followed by 150 m long typha plantation.																																		
viii	Vehicular emission should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.	Vehicles used for transportation is being covered with tarpaulins and optimally are loaded. PUC is mandatory for LMV and coal transportation trucks.																																		
ix	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.	Environmental Monitoring work is done by CMPDIL, Nagpur. CMPDI is having a full-fledged NABL accredited Environmental Laboratory with qualified multidisciplinary team of Engineers along with adequate number of field staff for carrying out environmental monitoring works of WCL Projects																																		
x	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 Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.	Personal Protection equipment, safety gears like dust masks, Helmets, safety boots, goggles are provided to workmen working in the active mining and ancillary operations as per DGMS specification. The workers are regularly given training on safety & health aspects (Statutory requirement under Mines Act). Approx. 1/3 workers (above 45 years) & 1/5 workers (below 45 years) of HLOCM are sent for periodical Medical Examination every year under Health Surveillance Program (Periodical Medical Examination).																																		
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.	At project level, Environmental management Cell is heads by Sub Area Manager & is assisted directly by Project Nodal Officer (Env)/ Mgr (Civil). At Area level, General Manager (OPR) heads the cell assisted by Area Nodal Officer (Env). At WCL HQ/Corporate level, HOD (Env) heads the Environment department assisted by multidisciplinary team of qualified & trained Engineers.																																		
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 this Ministry and its Regional Office at Bhopal.	<div>The funds earmarked for environmental protection measures are kept separate &amp; are not used for any other purpose. The details of expenditure under capital head &amp; under Revenue head for last three years are given below:</div> <table><tr><th rowspan="2">Year</th><th colspan="2">Budget Allocated (Lakhs)</th><th colspan="2">Expenditure Incurred (Lakhs)</th></tr><tr><th>Capital</th><th>Revenue</th><th>Capital</th><th>Revenue</th></tr><tr><td>2021-22</td><td>196.02 (Area)</td><td>2256.71 (Area)</td><td>6.61 (HLOC)</td><td>1221.32 (Area)</td></tr><tr><td>2020-21</td><td>6.00 (HLOC)</td><td>452.37 (Area)</td><td>0 (HLOC)</td><td>357.81 (Area)</td></tr><tr><td>2019-20</td><td>31.05 (HLOC)</td><td>484.40 (Area)</td><td>31.05 (HLOC)</td><td>354.15 (Area)</td></tr><tr><td>2018-19</td><td>4.50 (HLOC)</td><td>297.90 (Area)</td><td>0.00 (HLOC)</td><td>264.07 (Area)</td></tr><tr><td>2017-18</td><td>5.80 (HLOC)</td><td>531.00 (Area)</td><td>4.80 (HLOC)</td><td>275.66 (Area)</td></tr></table>	Year	Budget Allocated (Lakhs)		Expenditure Incurred (Lakhs)		Capital	Revenue	Capital	Revenue	2021-22	196.02 (Area)	2256.71 (Area)	6.61 (HLOC)	1221.32 (Area)	2020-21	6.00 (HLOC)	452.37 (Area)	0 (HLOC)	357.81 (Area)	2019-20	31.05 (HLOC)	484.40 (Area)	31.05 (HLOC)	354.15 (Area)	2018-19	4.50 (HLOC)	297.90 (Area)	0.00 (HLOC)	264.07 (Area)	2017-18	5.80 (HLOC)	531.00 (Area)	4.80 (HLOC)	275.66 (Area)
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xiii	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the officers of the Regional Office by furnishing the requisite data/information/ monitoring reports.	Noted for compliance.  Full co-operation from Project authorities will be extended to RO, MoEF & CC, Nagpur/Bhopal by furnishing the requisite data/information/monitoring reports.
xiv	A copy of the clearance letter shall be marked to concerned Panchayat/ Local NGO, if any, from whom any suggestion /representation has been received while processing the proposal.	Copy of E.C. letter submitted to C.O., Nagar Parishad, Sarpanch Arwat & Charwat Villages vide: 1357/1133 dt;16/17.7.2006. Copy enclosed as <b>Annexure-T</b>
xv	State Pollution control board should display a copy of the clearance letter at the Regional Office, district Industry Center and Collector's office/ Tehsildar's office for 30 days.	Copy of EC letter submitted to S.R.O, MPCB, Chandrapur vide: 1358/1134 dt; 16/17.7.2006. Copy enclosed as <b>Annexure-T</b> .
xvi	The Project authorities should 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 at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	Advertisement regarding securing of EC has been published in two local newspapers namely : & (i) Mahasagar Chandrapur (Marathi) dtd: 06.03.2021 (ii) Mahavidarbha (Hindi) dtd: 06.03.2021 copy enclosed as <b>Annexure-U</b>

  
 प्रबंधक (सिविल)  
 हिंदुस्तान लालपेठ सब एरिया

  
 उपक्षेत्रीय प्रबंधक  
 हिंदुस्तान लालपेठ सब एरिया

  
 क्षेत्रीय केन्द्रस्थ अधिकारी (पर्यावरण)  
 वेंकोलि चंद्रपुर क्षेत्र