

**WESTERN COALFIELDS LIMITED**  
**OFFICE OF THE SUB AREA MANAGER**  
**GOURI SUB AREA, BALLARPUR AREA**

RefNo. WCL/BA/SAM/GSA/CIVIL/13346

Date: 31/05/2024

To

Addl. Principal Chief Conservator of Forests,  
Ministry of Environment, Forest & Climate Change  
Integrated Regional Office, Ground Floor, East  
Wing, "New Secretariat Building", Civil Lines,  
Nagpur, Maharashtra- 440001

Sub: - Six monthly EC Compliance Report for **Gauri Pauni Expansion OCP**, Ballarpur  
Area, WCL for the period from 1<sup>st</sup> October 2023 to 31<sup>st</sup> March 2024.

Respected Sir,

Please find enclosed herewith the Six Monthly EC Compliance Report in respect of Gouri  
Deep Opencast Project, Ballarpur Area for the period from 1<sup>st</sup> October 2023 to 31<sup>st</sup> March 2024.  
**EC NO: J-11015/242/2008-IA.II(M) Dated:- 27.12.2022**

This is for your kind information Please

Thanking you.

Yours Faithfully



Sub Area Manager  
(Gouri Sub Area)

**Copy To,**

- 1. Regional Officer, MPCB Chandrapur.**
- 2. AGM, Ballarpur Area, WCL**
- 3. The General Manager (Env) WCL, Nagpur**
- 4. GM (Environment), CMPDIL RI – IV, Nagpur**
- 5. Area Nodal Officer (Env), Wani Area.**
- 6. Office Copy**

Point wise compliance report of conditions laid by Ministry of Environment & Forests in Environmental clearance of Amalgamation of Gauri I&II OC and Pauni OC with expansion OC Coal Mine project (from 3.4 MTPA to 3.5 MTPA) vide No. IA-J-11015/ 242/ 2008 -IA.II (M) dated 27 DEC, 2022 are as follows :-

Sr. No	Conditions	Compliance
i	The project proponent shall obtain Consent to establish and operate from the State Pollution Control Boards for the proposed peak capacity of 3.5 MTPA (Peak) prior to commencement of the increased production.	CTE obtained vide Format1.0/CAC/UAN No.MPCBCONSENT-0000154356/CE/2302001896 dated 27.02.2023 and CTO obtained vide: Format1.0/CAC/UAN No.MPCBCONSENT-0000158458/CO/2307001637 dated: 26.07.2023 for production capacity of 3.5 MTPA valid upto 31.03.2024.
ii	PP shall implement conveyor system with silo loading facility till railway siding within 3 years (March-2025) as committed by PP with Sasti OCP and No road transportation shall be allowed beyond this time; accordingly, SPCB shall not grant CTO for road transportation.	SILO Coal loading system of 10 MTPA capacity(approx) is being proposed at nearby project of gauri pauni I.e at Sasti OC mine and is likely to be commissioned by end of FY 2024-25. In this regard, draft NIT is under preparation stage at CMPDIL, Nagpur. Commissioning of SILO system will reduce overall coal transportation through road mode thereby reducing air pollution due to coal transportation.
iii	PP shall complete all non-compliance/ partial compliance in one year and the action taken report shall be submitted to Regional Office of the MOEF&CC	Noted and agreed.
Iv	PP to install a continuous air quality monitoring station at suitable location in consultation with SPCB with 9 months and data so generated shall be displayed to company main gate. Data so generated shall be linked with SPCB/CPCB website.	In this regard, already one no of CAAQMS is set up by WCL in buffer zone of Amalgamation with Expansion of Gauri Pauni OC Project I.e at Pauni II Exp. Further in addition to the same, two nos of CAAQMS for mines of Ballarpur Area is under procurement process I.e at final stage at Sasti Expansion OC and Gouri deep OC which are also in Buffer zone of Amalgamation with Expansion of Gauri Pauni OC Project. Same will be completed by December 2023. Further, 1 no. CAAQMS is proposed to be installed at Amalgamation with Expansion of Gauri Pauni OC Project in FY 2024-25, same is under approved Environment Capital Budget.
V	PP shall deploy only 40-50 tonnes covered trucks/dumper to reduce fleet size till Rapid loading sytem and conveyor belt system is commenced (i.e. till March, 2025).	A directive have been passed by WCL board for inclusion of this condition in next HoE contracts for compliance to this condition.
Vi	All previous Environmental Clearances issued by Ministry for this project shall be read with instant EC and applicable with this conditions.	Noted and agreed.
Vii	PP to obtain IRO certified post closure plan for excluded area of 15.42 ha (After reduction from 255 ha to 239.58 ha).	Noted for compliance

Viii	PP shall install sand/aggregate segregation plant for suitable capacity to extract sand and construction aggregate within 2 years of issue of this letter	Noted for compliance. Sand segregation is to be set up at Ballarpur OC mine which is in buffer zone of Gauri Pauni Expn OC mine.
ix	Active OB Dump should not be kept barren/open and should be covered by temporary grass to avoid air born of particles	Noted for compliance.
X	PP shall deploy atleast 20% of overall fleet of dumpers/trucks as electrical or CNG/LNG based dumpers/trucks for transportation of coal/OB etc.	A directive have been passed by WCL board for inclusion of this condition in next HoE contracts for compliance to this condition.
Xi	No village road shall be used for transportation of coal and no road transport route shall be adopted, which is passing through any sensitive location such as schools, hospitals etc. PP shall take legal undertaking from its consumers accordingly.	No village road is being used for transportation of coal and no road transport route is adopted, which is passing through any sensitive location such as schools, hospitals etc.
Xii	PP shall pay to farmers of agricultural land if there is any loss due to pollution/damange due to blasting activity found by concerned District Commissioner as per extent rules or norms	Noted for compliance.
Xiii	PP to prepare annual maintenance plan for diverted Stream/Nallah, and implement specifically for silt management to maintain the flow of stream.	Noted for compliance. Provision of Garland drain and catch drain is made to arrest silt at the mine level otself, resulting in no sediment flow in the local nallah/streams. Moreover, annual cleanig and desilting of these drains are done before the onset of monsoon.
Xiv	PP shall submit a third party assessment of EC Compliance shall be undertaken once in three years through agency like ICFRI/NEERI/IIT or any other expert agency identified by the Ministry to Ministry's Regional Office. (xv) Continuous Monitoring at Occupational safety and health hazards and the Corrective action need to be ensured.	As mine is yet to start its production. However, PP would like to clarify that in FY 2022-23, work has been awarded to NEERI for third party EC assessment for old existing projects of Ballarpur Area I.e Ballarpur OC and Pauni II OC. However as gauri pauni amalgamation project is a new project and EC has been granted to project recently on 27.12.2022. Hence, in the next FY 2023-24, work will be awarded to third-party assessment of EC compliance through agency like NEERI/IIT.
Xv	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	In WCL, PAPs (Project affected persons), persons nearby are provided with skill development training at VTC, Ballarpur Area and conducts Entrepreneurship development programs on regular basis at vocational training centers of WCL.
Xvi	Project proponent to plant 100,000 nos. of native trees with broad leaves along the villages and 50,000 nos of native trees along transportation route to prevent the effect of air pollution in 2 years. After completion of tree plantation, number of trees shall be duly endorsed from District Forest Officer.	Noted for compliance. Till date, Total Plantation of 5.79 lakhs done in project in an area of 161.23 Ha. However, in FY 2023-24, 30.5 Ha is identified for plantation in surrounding areas. Pauni II OC Project : 14.50 Ha Dhoptata OC Project : 10.00 Ha Pauni II OC Project : 6.00 Ha (Grassing of OB slope)
Xvii	PP shall divert the PWD road connecting Sakhri Village to Gauri Village (about 4.5 km) after	Road has been diverted after taking due permission from State Officials and alternate road expanses were

	taking consent from Gram Panchayat for alternate road (nearest available route). PP shall contribute in the fund for alternate road and maintenance charges of this road shall also be spent by M/s WCL.	bore by WCL.
Xvii i	The Project Proponent should submit the detailed plantation plan in tabular format (year wise for entire life of mine) with proper capital and recurring cost. PP shall undertake the adequate plantation with the seedling of 10 ft height with at least 90% survival rate and the plantation shall be completed within 3 years from the start of mining operations. The casualties of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year.	Noted for compliance.
Xix	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEFCC.	Noted
<b>4.1</b> <b>(a)</b>	<b>Statutory obligations</b>	
i	The project proponent shall obtain forest clearance under the provision of Forest (Conservation ) Act 1986, in case of the diversion of forest land for non- forestry purpose involved in the project.	Not Applicable, as no forest land is involved.
ii	The project proponent shall obtain clearance from the national Board for wildlife, is applicable.	Not Applicable, as no forest land is involved.
iii	The project proponent shall prepare a site-specific conservation Plan/ wildlife management plan and approved by the chief wildlife warden.	Not Applicable, as no forest land is involved.

	The recommendations of the approved site-specific conservation plan/ wildlife management plan shall be implemented in consultation with state forest department. The implementation report shall be furnished along with six-monthly compliance ( in case of presence of schedule-I species in the study area)	
iv	The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.	CTE obtained vide Format1.0/CAC/UAN No.MPCBCONSENT-0000154356/CE/2302001896 dated 27.02.2023 and CTO obtained vide: Format1.0/CAC/UAN No.MPCBCONSENT-0000158458/CO/2307001637 dated: 26.07.2023 for production capacity of 3.5 MTPA valid upto 31.03.2024.
v	The project proponent shall obtain the necessary permission from the Central Ground Water Authority (CGWA).	NOC for Gauri I&II OC project for Ground water abstraction has been obtained from CGWA vide letter no: CGWA/NOC/MIN/ORIG/2021/12465 which is valid upto 02/08/2023. CGWA NOC for Pauni OC project has been granted by vide letter no. CGWA/NOC/MIN/ORIG/2021/12555 valid upto 12/08/2023. Renewal application has been submitted by the name of Gauri Pauni Expansion OC and the requisite abstraction fees has been submitted. EAC meeting awaited.
vi	Solid / hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/ Hazardous & Other Waste Management Rules, 2016.	Noted for compliance.
<b>4.1 (b)</b>	<b>Air quality monitoring and preservation</b>	
i	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOX. Location of the stations shall be decided based on the meteorological data, topographical data features and environmentally and ecologically sensitive targets in consultation with the State pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.	In this regard, already one no of CAAQMS is set up by WCL in buffer zone of Amalgamation with Expansion of Gauri Pauni OC Project I.e at Pauni II Exp. Further in addition to the same, two nos of CAAQMS for mines of Ballarpur Area is under procurement process I.e at final stage at Sasti Expansion OC and Gouri deep OC which are also in Buffer zone of Amalgamation with Expansion of Gauri Pauni OC Project. Same will be completed by December 2023. Further, 1 no. CAAQMS is proposed to be installed at Amalgamation with Expansion of Gauri Pauni OC Project in FY 2024-25, same is under approved Environment Capital Budget.  At present, Based on the meteorological data & topographical features, air quality monitoring stations

		<p>are decided covering core zone &amp; buffer zones namely</p> <ol style="list-style-type: none"> <li>1. Manager Office Gouri - BGOA- 1</li> <li>2. Gouri Village - BGOA-2</li> <li>3. SAM Office - BGOA-3</li> <li>4. Gouri Colony/Filter plant - BGOA – 4</li> </ol> <p>Air quality monitoring of PM10, PM2.5, SO2 and NOx is being carried out on fortnightly basis and the reports are being submitted to RO, MoEF &amp; CC and SPCB on regularly.</p>
ii	<p>The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air and heavy metal and other monitoring data shall be regularly reported to ministry/RO or MPCB/CPCB.</p>	<p>At present, Based on the meteorological data &amp; topographical features, air quality monitoring stations are decided covering core zone &amp; buffer zones namely</p> <ol style="list-style-type: none"> <li>1. Manager Office Gouri - BGOA- 1</li> <li>2. Gouri Village - BGOA-2</li> <li>3. SAM Office - BGOA-3</li> <li>4. Gouri Colony/Filter plant - BGOA – 4</li> </ol> <p>Air quality monitoring of PM10, PM2.5, SO2 and NOx is being carried out on fortnightly basis and the reports are being submitted to RO, MoEF &amp; CC and SPCB on regularly.</p>
iii	<p>Transportation of coal, to the extent permitted by road , shall be carried out by covered trucks / conveyors. Effective control measures such as regular water / mist sprinkling/ rain gun etc shall be carried out in the critical areas prone to air pollution (with higher values of PM10 /PM2.5) such as haul road, loading / unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the CPCB/SPCB.</p>	<p>Production of coal is yet to start, However it will be ensured that Transportation of coal will be carried out by covered trucks / conveyors. Effective control measures such as regular water / mist sprinkling/ rain gun etc will be regularly done in the critical areas prone to air pollution (with higher values of PM10 /PM2.5) such as haul road, loading / unloading and transfer points. It will be ensured that the ambient air quality parameters conform to the norms prescribed by the CPCB/SPCB.</p>
iv	<p>The transportation of coal shall be carried out as per provision and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case it is proposed to construct a by pass road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.</p>	<p>Noted for compliance</p>
v	<p>Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining activities and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centers.</p>	<p>Vehicles used for transporting the mineral will be covered with tarpaulins and optimally loaded. Vehicles with valid PUC are only allowed for coal transportation.</p>
vi	<p>Coal stock pile /crusher / feeder and breaker material transfer points shall invariably be provided with dust suppression system, belt-</p>	<p>Noted for compliance</p>

	conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	
vii	Coal handling plants shall be operated with effective control measures w.r.t. various environmental parameters. Environment friendly sustainable technology should be implemented for mitigating such parameters.	Noted for compliance
<b>4.1 (c)</b>	<b>Water quality monitoring and preservation</b>	
i	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	CMPDIL Laboratory which is NABL accredited exists at Nagpur, which monitors all the mines of WCL in terms of the parameters notified under the Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
ii	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Noted for compliance
iii	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out in four times a year i.e. pre-monsoon, post monsoon, and winter. The ground water quality shall be monitored once a year, and data thus collected shall be sent regularly to MOEF&CC/RO.	The ground water level monitoring is being carried out four times a year and ground water quality analysis is being done one time a year in identified dugwells located in the buffer zone of project by CMPDIL and outsourced agency.
iv	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained.	Noted for compliance as mine is yet to start.
v	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.	Noted for compliance as mine is yet to start.

vi	<p>Catch/garland drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps &amp; OB dumps to prevent run off of water and sediments directly into the river stream and water bodies. Further, dump material shall be properly consolidated / compacted and accumulation of water over dump shall be avoided by providing adequate channels for flow of silt into drains. The drains / ponds so constructed shall be regularly desilted particularly before on set of monsoon and maintain properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression 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 native species to be made between toe of the dump and adjacent field/habitation / water bodies.</p>	<p>Catch/garland drains and siltation ponds of appropriate size have been constructed around the mine working, coal heaps &amp; OB dumps to prevent run off of water and sediments directly into the river stream and water bodies. Moreover, annual cleanig and desilting of these drains are done before the onset of monsoon.</p>
vii	<p>Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment confirming to specific requirement.</p>	<p>Noted for compliance as mine is yet to start.</p>
viii	<p>Industrial waste water generated from CHP, workshop and other waste water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act 1986 and the rules made there under and as amended from time to time. Adequate ETP/STP need to be provided.</p>	<p>Noted for compliance as mine is yet to start.</p>
ix	<p>The water pumped out from the mine, after siltation, shall be utilized for industrial purpose iz. Watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.</p>	<p>Noted for compliance as mine is yet to start.</p>
x	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc shall be prepared and implemented by the Project proponent. Any diversion in natural drainage shall be done as per approved mine plan/EIA/EMP report and with due approval of the concerned state/ GOI</p>	<p>Noted for compliance as mine is yet to start.</p>



	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 as per the permission of DGMS or any other authority as prescribed by law.	
xi	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 KM. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	Noted for compliance as mine is yet to start.
<b>4.1 (d)</b>	<b>Noise and vibration monitoring &amp; prevention</b>	
i	Adequate measures should be taken for control of noise levels as per Noise pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc., should be provided with personnel protective equipment (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness program for users to be conducted. Progress in usage of such accessories to be monitored.	Noted for compliance as mine is yet to start. As the mine commences its production, Adequate measures will be taken for control of noise levels as per Noise pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc., will be provided with personnel protective equipment (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness program for users will be conducted in VTC.
ii	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Noted for compliance
iii	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises and report in this regard shall be submitted to the ministry / RO on six monthly basis.	Noted for compliance
<b>4.1 (e)</b>	<b>Mining Plan</b>	
i	Mining shall be carried out under strict adherence to provisions of Mines act 1952 and subordinate legislations made there-under as applicable.	At present the mining activities are being done according to the provisions of Mines Act 1952 and Subordinate legislations thereunder and it will be continued to operate with adherence to the said provisions.
ii	Mining shall be carried out as per the approved mining plan (including mine closure plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General of Mines Safety (DGMS).	At present, mining activities are being carried out as per the provisions outlined in approved mining plan as well as by provisions relevant to coal mining and circulars issued by DGMS and will be continued to be followed in the future also.
iii	No mining shall be carried out in the forestland for without obtaining forestry clearance as per Forest (Conservation ) Act 1980.	Not Applicable

iv	Efforts should be made to reduce energy and fuel consumption conservation, efficiency improvements and use of renewable energy.	Noted for compliance
<b>4.1 (f)</b>	<b>Land Reclamation</b>	
i	Digital survey of entire lease hold area/ core zone using Remote sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change from time to time shall be submitted to MOEFCC / Regional office (RO).	Land use pattern of the mine lease area is being monitored through time series land use maps based on satellite imagery ( IRS R2 L4FX).The latest report has been submitted to Regional Office MoEF & CC & the satellite report has been uploaded on company's website also.
ii	The final mine void depth should preferably be as per the approved mine closure plan and in case if it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. Remaining area shall be backfilled and covered with thick and alive top soil. Post mining land be rendered usable for agricultural / forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for preparation of Mine Closure Plan issued by the ministry of coal dated 27 <sup>th</sup> August, 2009 and subsequent amendments.	Noted for compliance as mine is yet to start.
iii	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with "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 MOEFCC/RO.	Noted for compliance as mine is yet to start.
iv	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued Vide SO 2804 (E) dated 3 <sup>rd</sup> 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.	
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 shall not be kept	Noted for compliance

	<p>unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.</p>	
vi	<p>The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.</p>	Noted for compliance
<b>4.1 (g)</b>	<b>Green Belt</b>	
i	<p>The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.</p>	Noted for compliance
ii	<p>Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/ coal transportation roads.</p>	Noted for compliance as mine is yet to start.
<b>4.1 (h)</b>	<b>Public hearing and Human health issues</b>	
i	<p>Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry &amp; it's RO on six-monthly basis.</p>	Adequate illumination in all mine locations is maintained as per DGMS provisions and being monitored regularly.
ii	<p>The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides</p>	As per the Statute, initial Medical Examination (IME) is carried out during joining period of the workers. Periodical Medical Examination (PME) is done once in five years for below 45 years age workers and once in year for 55 years age workers.

	regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	
iii	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Personnel (including outsourced personnel) engaged in core zone operations are being provided with PPE like Ear plugs/ muffs. Safety awareness programmes & training are conducted regularly for personnel of the project.
iv	Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.	Public Hearing conducted for project was conducted on date 22.05.2022 at manoranjan kendra, sasti colony township, ballarpur, Chandrapur under the chairmanship of Hon'ble Additional District Collector, Nagpur. The Action Taken report / Status of Compliance against the issues raised in Public Hearing has been submitted to MOEF&CC.
v	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.11 (M) dated 29 <sup>th</sup> 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'.	Noted
<b>4.1 (i)</b>	<b>Corporate environment responsibility</b>	
i	The company shall have a well laid down environment policy duly approved by Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. The company shall have a defined system of reporting infringements/deviation/violation of environmental/ forest/wildlife norms/ conditions and/or shareholders/stakeholders.	The company has a well laid down environment policy approved by WCL Board. To deal with environmental issues and for ensuring compliance with environmental clearance conditions. At project level, Environment Management cell is headed by Sub- Area and is assisted by Project Nodal Officer (Environment).  At Area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Operation) and Nodal Officer (Environment)  At Corporate level at Headquarter, there is full fledged Environment Department which is headed by General Manger (Environment) with a multi disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Technical) , who is nominated owner of the company.
ii	A separate environmental cell both at the project and company headquarter level, with suitable qualified personnel shall be set-up	To deal with environmental issues and for ensuring compliance with environmental clearance conditions, at project level, Environment Management cell is headed

	under the control of a Senior Executive, who will report directly to the Head of the Organization.	by Sub- Area Manager, colliery manager and is assisted by Project Nodal Officer (Environment).  At Area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Operation) and Nodal Officer (Environment)  At Corporate level at Headquarter, there is full fledged Environment Department which is headed by General Manger (Environment) with a multi disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Technical) , who is nominated owner of the company.
iii	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the ministry / regional office along with the six monthly compliance report.	Activities mentioned in the EIA/EMP are part of Mining plan which is duly approved by competent Authority. The funds earmarked for environmental protection measure are kept in separate account and are not diverted for other purpose.
iv	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted for compliance as mine is yet to start. Self environmental audit will be conducted annually. Every three years third party environmental audit will be carried out.
<b>4.1 (j)</b>	<b>Miscellaneous</b>	
i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Advertisements issued in English and Marathi newspaper within 7 days.
ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied, submitted within the stipulated time period.
iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted for compliance

iv)	The project proponent shall monitor the criteria pollutants level namely; PM, SO, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted for compliance
v)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted for compliance
vi)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.11 (M) dated 29 <sup>th</sup> 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'.	Noted for compliance
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.	Noted for compliance
viii)	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Noted for compliance
ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted for compliance
x)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted for compliance
xi)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Noted for compliance
xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted for compliance
xiii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted for compliance
xiv)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall	Noted for compliance

	implement these conditions.	
xv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by Furnishing the requisite data/information/monitoring reports.	Noted for compliance
xvi)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986. Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules made thereunder and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.	Noted for compliance
5	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.	Noted for compliance
6	The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Noted for compliance
7	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted for compliance
8	The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.	Noted for compliance
9	The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.	Noted for compliance

10	This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.	Noted for compliance
11	All other conditions granted vide Environmental Clearance No. J-11015/242/2008-IA.II (M) dated 17.07.2009 and Environmental Clearance No. J-11015/118/2013-IA.II(M) dated 24.12.2014 shall also be applicable.	Noted for compliance



**Environmental Clearance No.J/11015/242/2008/IA.II(M)****Date: 17.07.2009****Compliance of Conditions****GAURI I& II(A) OCM****A) SPECIFIC CONDITION**

S.N	Condition	Compliance
i	<p>No OB shall be dumped externally during the balance life of the expansion project. The ultimate slope of the dump shall not exceed 28 degree. Monitoring and management of existing reclaimed dump sites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment &amp; Forests &amp; its Regional Office located at Bhopal on yearly basis.</p>	<p>Noted and is being complied. All the OB generated is back filled inside the mine. Details of OB generation and backfilling for last 3 years is as follows: OB generated in 2019-20 = 3.934 Mm<sup>3</sup>. OB generated in 2020-21 = 1.684 Mm<sup>3</sup>. OB generated in 2021-22 = 1.552 Mm<sup>3</sup>. OB backfilled in 2019-20 = 3.934 Mm<sup>3</sup>. OB backfilled in 2020-21 = 1.684 Mm<sup>3</sup>. OB backfilled in 2021-22 = 1.552 Mm<sup>3</sup>. OB backfilled in 2022-23 = 2.791 Mm<sup>3</sup>.</p> <p>117.5 Ha of External OB dump has been stabilized with plantation. Compliance is submitted to MOEFCC Regional Office, Nagpur every six months through six monthly compliance reports.</p>
ii	<p>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 the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained properly. Garland drains (size gradient, 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>Catch drain/Garland drain of appropriate size have been constructed all around the quarry and OB dump to arrest silt &amp; sediments flows from the respective dump sites. In case of O.B. benches in the quarry, catch drains are provided which carries silt &amp; sediments into main sump of capacity 117 Million Gallons made at the floor of the seam. It accumulates all the silts &amp; acts as first stage settling tank. The water will then be pumped out through pumps on to the surface settling tank (20.0m X 15.0m X 1.20m) &amp; discharged into nallah. The clear water from the surface settling tank will be used for watering the mine area, roads. Catch drains mentioned above are regularly desilted before onset of monsoon every year. Total length of existing Catch drain and Garland drain is 15.50 km.</p>
iii	<p>Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on rainfall data.</p>	<p>Retaining wall at the toe of the dumps and OB benches is not required as such as garland drains are already constructed.</p>
iv	<p>Crushers at the CHP should be operated with High efficiency bag filters, water</p>	<p>Adequate mitigation measures have been put in place at various dust generating sources to control dust and other</p>

	<p>sprinkling system should be provided to check fugitive emissions from crushing operations, conveyor system, haulage roads, transfer points, etc.</p>	<p>fugitive emissions. Water sprinkling system is provided at CHP, crushing operations, at transfer points and haul roads. The details of air pollution control measures are as follows:  09 nos. of sprinklers provided at CHP  Water spraying arrangement provided at mobile crusher.  11 nos. of rain guns installed at coal stockyard  02 nos. of rain guns are installed at weighbridge  3 Nos. of Mobile Water Tankers are provided for dust suppression (Hired-1 no. of 12 KL, Departmental – 2 no. of 28KL)  01 no of hired road sweeping machine provided on coal transportation road.  Regarding Fugitive dust monitoring, it is submitted that as per CMR 123 of 1957, 8 hour weighted work zone standard for fugitive emission is 3000 µg/m<sup>3</sup>.  Fugitive dust monitoring is carried out at;</p> <ul style="list-style-type: none"> <li>· CHP (Gouri I&amp;II (A) OC)</li> <li>· Weighbridge (Gouri I&amp;II (A) OC) <ul style="list-style-type: none"> <li>· Fugitive dust concentration report for the period January 2022 is given below</li> </ul> </li> </ul>																																									
v	Drills should be wet operated	Drills are wet operated.																																									
vi	<p>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 and internal roads, storage yards, transfer yards.</p>	<p>Regular repairing and tarring of roads are undertaken. Total Plantation of 5.61 lakhs done in Gouri I&amp;II(A) OCM 153.93 Ha. Year wise plantation details is as follows:</p> <table border="1" data-bbox="715 1122 1444 2085"> <thead> <tr> <th>Sr no:</th> <th>Year</th> <th>Plantation (Nos)</th> <th>Species planted</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1993-94</td> <td>50000</td> <td rowspan="12">Imli, gulmohar, Peltafarm, neem, Peepal, Bamboo, Amla, Jamun, Raintree, Sissoo,karanjetc</td> </tr> <tr> <td>2</td> <td>1994-95</td> <td>50000</td> </tr> <tr> <td>3</td> <td>1995-96</td> <td>35000</td> </tr> <tr> <td>4</td> <td>1996-97</td> <td>40000</td> </tr> <tr> <td>5</td> <td>1997-98</td> <td>60000</td> </tr> <tr> <td>6</td> <td>1998-99</td> <td>85000</td> </tr> <tr> <td>7</td> <td>1999-00</td> <td>11000</td> </tr> <tr> <td>8</td> <td>2001-02</td> <td>20000</td> </tr> <tr> <td>9</td> <td>2003-04</td> <td>17500</td> </tr> <tr> <td>10</td> <td>2004-05</td> <td>29500</td> </tr> <tr> <td>11</td> <td>2009-10</td> <td>11750</td> </tr> <tr> <td>12</td> <td>2010-11</td> <td>18750</td> </tr> </tbody> </table>	Sr no:	Year	Plantation (Nos)	Species planted	1	1993-94	50000	Imli, gulmohar, Peltafarm, neem, Peepal, Bamboo, Amla, Jamun, Raintree, Sissoo,karanjetc	2	1994-95	50000	3	1995-96	35000	4	1996-97	40000	5	1997-98	60000	6	1998-99	85000	7	1999-00	11000	8	2001-02	20000	9	2003-04	17500	10	2004-05	29500	11	2009-10	11750	12	2010-11	18750
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		16	2018-19	30000	
		17	2019-20	25000	
		18	2021-22	41000	
		<b>TOTAL</b>		<b>561850</b>	
vii	Controlled blasting shall be practiced with the use of delay detonators. The mitigative measures control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	Controlled blasting with the use of delay detonators is being done in daytime only. Measures to control ground vibrations and to arrest fly rocks and boulders such as providing adequate free face for blasting and optimum charge per hole is being implemented.			
viii	A progressive afforestation plan shall be prepared and implemented covering an area of 325.91 Ha, which includes reclaimed external OB dump (186), backfilled area (51.91 ha), along ML boundary and along roads and infrastructure, embankment (28 ha) and within vacant land (60ha ) and in township outside the lease by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha.	Regular repairing and tarring of roads are undertaken. Total Plantation of 5.61 lakhs done in Gouri I&II(A) OCM 153.93 Ha. 117.5 Ha of External OB dump has been stabilized with plantation. Year wise plantation details is as follows:			
		<b>Sr no:</b>	<b>Year</b>	<b>Plantation (Nos)</b>	<b>Species planted</b>
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		4	1996-97	40000	
		5	1997-98	60000	
		6	1998-99	85000	
		7	1999-00	11000	
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		<b>TOTAL</b>		<b>561850</b>		
ix	Of the excavated area of 223.31 Ha, an area of 51.91 ha shall be reclaimed with plantation and the void of 171.40 ha which is proposed to be converted in to 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 should be around 2500 plants per ha.	Agreed and will be complied. Excavated area till March 2022 is 223.31 Ha. Afforestation in backfilled area will be done after achieving optimum height.				
x	No ground water shall be used for Mining operations.	Ground water is not used for mining operations. Further for mine water discharge, for NOC for Ground water abstraction has been obtained from CGWA vide letter no: CGWA/NOC/MIN/ORIG/2021/12465 which is valid upto 02/08/2023. Enclosed as <b>Annexure A</b>				
xi	Regular monitoring of groundwater level quality should be carried out by establishing a network of existing wells and construction of new piezometers. 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 Forests and to the Central pollution Control Board quarterly within one month of monitoring.	The groundwater level monitoring is being carried out 4 times a year in pre-monsoon (May), Monsoon (August), Post-monsoon (November) and Winter (January) seasons and for quality once in a year. The monitoring report is regularly sent to Regional Officer, CGWB Nagpur with a copy to MoEF&CC & CPCB. Copy of ground water monitoring report enclosed.				
xii	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The Project authorities should meet water requirement of nearby villages(s) in case	Rainwater harvesting system has been provided at SAM office of Gouri I&II (A) OC with roof top area of 262.5 m <sup>2</sup> . The nearby villages have no shortage of water. However regular supply of water is ensured in case of scarcity.				

	the village wells go dry due to dewatering of mine.															
xiii	Sewage treatment plant of adequate capacity shall be installed in the exiting colony .ETP should also be provided for workshop and CHP wastewater.	At present, Septic tank and soak pit is used for colony although which is not in mine lease area of Gauri I & II(A) OC. STP for Gauri colony is proposed to be constructed under proposed new project Gauri Pauni Expansion OCP. A provision of Rs:75.0 lakhs has been made for STP in Project report of Gauri Pauni Expansion OCP. ETP of 75 KL/day capacity is in operation at Workshop.														
xvi	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 an agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	<p>Periodical health check-up of mine workers are carried out regularly with the purpose of detecting occupational diseases &amp; hearing impairment.</p> <p>WCL has set up of 25 bedded Area Hospital in Ballarpur Area with qualified doctors catering to the medical needs of the employees and local populace.</p> <p>The following infrastructure is available in the Area Hospital:</p> <ul style="list-style-type: none"> <li>• Qualified Doctors</li> <li>• Qualified lab technicians</li> <li>• Spirometry instrument,</li> <li>• ECG machine,</li> <li>• Audiometer,</li> <li>• X-ray machine,</li> <li>• Blood testing apparatus Eco friendly generator etc.</li> </ul> <p>The prevention measure / medicine for burns, malaria and provision of antsnake venom are ensured at Area hospital.</p> <p>Periodical Medical Examination (PME) is carried out compulsorily for each employee once in five years upto the age of 45 years and for those above 45 years is once in three years. PME is done with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.</p> <p>During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.</p> <p>Details of IMPE and PME done at Ballarpur Area is given below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">IME (in nos.)</th> <th colspan="2">PME (in nos.)</th> </tr> <tr> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>953</td> <td>1220</td> <td>1425</td> </tr> <tr> <td>2022</td> <td>857</td> <td>1220</td> <td>1216</td> </tr> </tbody> </table>	Year	IME (in nos.)	PME (in nos.)		Target	Acheived	2021	953	1220	1425	2022	857	1220	1216
Year	IME (in nos.)	PME (in nos.)														
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xvii	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 1:500) of the core zone and buffer zone, from the start of the project and until end of the 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	Digital processing of entire lease area is being carried out by CMPDIL in 2020 and report submitted to MOEFCC. Report Attached.														

	to MOEF and its Regional office at Bhopal.																						
xvii i	A final Mine Closure plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests within six months from the date of Environmental clearance for approval.	Mine closure guidelines came into force from 27/08/2009, wherein detailed framework for Mine Closure Plan was described. Thereafter MCP for Gouri I&II (A) OC was prepared. As per amended guidelines the competent authority to approve MCP of mines of Govt. Companies will be concerned board of Company. Following the directives of MoC, MCP of Gouri I&II (A) OC was prepared and the same was approved by WCL Board on 28/01/2013.																					
xix	The project authorities shall in consultation with the panchayat and local villages identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	<p>CSR expenditure of Ballarpur area for last five years:</p> <table border="1"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Expenditure (lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017-18</td> <td>24.04</td> </tr> <tr> <td>2</td> <td>2018-19</td> <td>7.816</td> </tr> <tr> <td>3</td> <td>2019-20</td> <td>237.35</td> </tr> <tr> <td>4</td> <td>2020-21</td> <td>47.05</td> </tr> <tr> <td>5</td> <td>2021-22</td> <td>2.17</td> </tr> <tr> <td>6</td> <td>2022-23</td> <td>25.39</td> </tr> </tbody> </table>	Sr no.	Year	Expenditure (lakhs)	1	2017-18	24.04	2	2018-19	7.816	3	2019-20	237.35	4	2020-21	47.05	5	2021-22	2.17	6	2022-23	25.39
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## **B. GENERAL CONDITIONS**

i	No change in mining technology & scope of working should be made without prior approval of the Ministry of Environment & Forest.	Agreed.
ii	No change in calendar plan including excavation quantum of minerals coal & waste should be made.	Agreed.
iii	Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone of SPM, RSPM, SO <sub>2</sub> and NO <sub>x</sub> 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>Monitoring of Ambient Air quality is being done by CMPDIL AAQ monitoring stations have already been established The stations being</p> <p>1. Manager Office Gouri - BGOA- 1  2. Gouri Village - BGOA-2  3. SAM Office - BGOA-3  4. Gouri Colony/Filter plant - BGOA – 4</p> <p>The stations have been fixed considering the meteorological data, topographical features etc. The monitoring is carried out with due prior intimation to MPCB. Monitoring data is being submitted to MOEF &amp;CC &amp; MPCB regularly.  The monitoring results for period of 01.10.2022 to 31.03.2023 is attached.</p>
iv	Data on ambient air quality (SPM, RSPM, SO <sub>2</sub> and NO <sub>x</sub> ) should be regularly submitted to the Ministry including its Regional office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.	<p>Ambient Air quality monitoring is being carried out as per GSR 742(E). The monitoring reports on quarterly basis are submitted to MOFF, and MPCB Chandrapur as per directives.  The monitoring results for period of 01.10.2022 to 31.03.2023 is attached.</p>
v	Adequate measures should be taken	Regular monitoring through CMPDIL is being done on

	for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc should be provided with earplugs/muffs.	fortnightly basis and results are within limits. Workers exposed to high noise level are provided with ear plugs/muffs. Monitoring reports enclosed.											
vi	Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 the May 1993 and 31 December or as amended from time to time before discharge .Oil and grease trap should be installed before discharge of workshop effluents.	Water collected in main sump are pumped to surface sedimentation tank (20.0m X 15.0m X 1.20m) after settlement it is delivered in to natural course. ETP of capacity 75 KL/day is provided. The effluent discharge are monitored as per GSR 742(E). Monitoring reports enclosed.											
vii	Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral and stowing sand should be covered with tarpaulins and optimally loaded.	Vehicles used for transporting the mineral are covered with tarpaulins and optimally loaded. Vehicles with valid PUC are only allowed for coal transportation.											
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 EP Rules, 1986.	CMPDIL Laboratory which is NABL accredited exists at Nagpur, which monitors all the mines of WCL.											
ix	Personal 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 programmed of the workers should be undertaken periodically to observe any contractions due to exposure to dust & to take corrective measures if needed.	Protective respiratory devices are provided to workmen exposed to dust area. Workers are also regularly given training on safety and health aspects at VTC (This is the statutory requirement under mines safety Act) Periodical medical examination of every workers is being done is every five years in our area Hospital to detect any disease so that appropriate action can be taken up at project level. VTC details are as follows Details of VTC trainings carried out at Ballarpur Area is given below: <table border="1" data-bbox="660 1879 1295 2033"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">VTC Training</th> </tr> <tr> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021-22</td> <td>680</td> <td>592</td> </tr> <tr> <td>2022-23</td> <td>680</td> <td>440</td> </tr> </tbody> </table>	Year	VTC Training		Target	Acheived	2021-22	680	592	2022-23	680	440
Year	VTC Training												
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2021-22	680	592											
2022-23	680	440											
x	A separate environmental	A separate environment management cell has been established.											

	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><b>At HQ, WCL</b> - The cell is headed by GM (Env) reporting to Director (Technical).The team comprises of multi-disciplinary trained executives.</p> <p><b>At Area Level</b> – Area General Manager heads the environment dept. &amp; assisted by GM (Oprn), ANO,and Assistant Managers of Environment discipline</p> <p><b>At Unit Level</b>-Environment Management cell is headed by Sub Area Manager and is assisted by Project Nodal Officer (Env) at unit level,</p>
xi	The funds earmarked for environmental protection measures should 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.	The funds earmarked for environmental protection measures are kept in separate account and it is not used for any other purpose, Expenditure statements are shown in every six monthly compliance reports sent to MOEF Nagpur Revenue expenditure till September 2023 = 536.86 lakhs. Capital expenditure till September 2023 = 226.5 lakhs
xii	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 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 & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Noted and complied. Attached.
xiii	A copy of the environment clearance letter shall be marked to concerned /Zila parishad, municipal corporation or Urban Local Body and 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 the company’s website.	Complied. Gram panchayat copy enclosed.
xiv	A copy of the clearance letter shall be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Officer, District Industry Center and collector’s Office / Tehsildar’s Office for 30 days.	Agreed



xv	<p>The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Officer of the MOEF, the respective Zonal offices of CPCB and the SPCB. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once in every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameters (air, water, noise, and soil) shall also be displayed at the entrance of the project premises and mines office and incorporate office and on the company's website.</p>	<p>Noted and is being complied. Copy of Cover letter of last six monthly compliance report submitted to Regional Officer of the MOEF, the respective Zonal offices of CPCB and the SPCB attached.</p>
xvi	<p>The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer(s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.</p>	<p>Agreed upon.</p>
xvii	<p>The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V is mandated to be submitted by the project proponent to the concerned state pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MOEF by E-mail.</p>	<p>Agreed. Environmental Statement for the year 2021-22 is submitted to MPCB. Attached.</p>
3	<p>The ministry or any other competent authority may stipulate any further condition for environmental</p>	<p>Agreed</p>

	protection.	
4	Failure to comply with any of the conditions above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection), Act, 1986.	Agreed
5	The above condition will be enforced inter-alia the provisions of the water (prevention Control of pollution) Act 1974, the Air (prevention & Control of pollution) Act, 1981, the Environment (protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of ground water and surface water, and occupational and other diseases due to the mining operations.	Agreed

**COMPLIANCE REPORT OF EC OF 0.90 MTPA AT PAUNI OCP, GRANTED PERMISSION REF NO.J11015/118/2013-IA.II (M) Dated, 24TH DECEMBER 2014**

**A. Specific Conditions**

S. NO.	Condition	Status of Compliance																					
i)	The maximum production from mine at any given time shall not exceed the limit as prescribed in EC	Complied and the production doesn't exceed 0.90 MTPA. Details of production during last 5 years is as follows: <table border="1" data-bbox="730 1541 1390 1939"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Coal Production (MTPA)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017-18</td> <td>0.90</td> </tr> <tr> <td>2</td> <td>2018-19</td> <td>0.90</td> </tr> <tr> <td>3</td> <td>2019-20</td> <td>0.862</td> </tr> <tr> <td>4</td> <td>2020-21</td> <td>0.431</td> </tr> <tr> <td>5</td> <td>2021-22</td> <td>0.0</td> </tr> <tr> <td>6</td> <td>2022-23</td> <td>0.00</td> </tr> </tbody> </table>	Sr no.	Year	Coal Production (MTPA)	1	2017-18	0.90	2	2018-19	0.90	3	2019-20	0.862	4	2020-21	0.431	5	2021-22	0.0	6	2022-23	0.00
Sr no.	Year	Coal Production (MTPA)																					
1	2017-18	0.90																					
2	2018-19	0.90																					
3	2019-20	0.862																					
4	2020-21	0.431																					
5	2021-22	0.0																					
6	2022-23	0.00																					
ii)	The validity of the EC is for the life of the mine or as specified in EIA	Noted.																					

	notification, 2006, whichever is earlier.																
iii)	Plantation of prosperis species should be avoided and only native species be planted	<p>Complied. Native species are planted by authorized personnel of FDCM, Maharashtra. Total plantation done till date is 18250 nos, covering an area of 7.30 Ha. Plantation details are as follows:</p> <table border="1"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Plantation nos.</th> <th>Area (Ha)</th> <th>Species</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2000-01</td> <td>12000</td> <td>4.8</td> <td>Neem, Karanj,</td> </tr> <tr> <td>2</td> <td>2002-03</td> <td>6250</td> <td>2.5</td> <td>Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc</td> </tr> </tbody> </table> <p>Entire OB dump of 66 Ha has been covered by native plants. (Own growth)</p>	Sr no.	Year	Plantation nos.	Area (Ha)	Species	1	2000-01	12000	4.8	Neem, Karanj,	2	2002-03	6250	2.5	Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc
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2	2002-03	6250	2.5	Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc													
iv)	Rain water harvesting and other facilities should be created for ground water recharge	Regarding, artificial recharging, village ponds at Pouni village, Chunala village and Panchgaon village have been desilted for storing rain water with enhanced capacity. 3 nos of check dams (sand bags) along the nallah flowing nearby Pouni village have been constructed. Roof top rain water rainwater harvesting provided at Pauni Manager office with roof top area of 145.25 m <sup>2</sup>															
v)	The surface runoff to the drain must pass settling tank	Catch drain/Garland drain of appropriate size have been constructed all around the quarry and OB dump to arrest silt & sediments flows from the respective dump sites. In case of O.B. benches in the quarry, catch drains are provided which carries silt & sediments into main sump of capacity 67 Million Gallons made at the floor of the seam. It accumulates all the silts & acts as first stage settling tank. The water will then be pumped out through pumps on to the surface settling tank (20.0m X 15.0m X 1.20m) and then passed through Pressure filter & discharged into nallah. The clear water from the surface settling tank will be used for watering the mine area, roads. Catch drains mentioned above are regularly desilted before onset of monsoon every year. Total dimensions of existing Catch drain and Garland drain is 12.85 km depth – 3m and width – 2 m.															
vi)	No borewell should be made close to the mine as far as possible.	No new borewells will be made close to the mine.															
vii)	Trained man power and environmental laboratory be provided at the site for analyzing basic environmental parameters. A regional environmental laboratory to be established so as to cater a group of mines in the vicinity of or advance analysis. Action take report for the implementation of action plan be submitted to the concerned SPCB to the RO, MOEF &CC	Monitoring of environmental quality parameters is done by CMPDIL, Nagpur. There is a full fledged NABL accredited Env. Laboratory of CMPDIL. The Monitoring is done through this laboratory at fortnightly interval.															

viii)	Coal Transportation in pit by Dumpers, surface to siding by Dumpers and loading to siding by Pay Loader. Coal Transportation in pit by Dumpers, surface to siding by Dumpers and loading to siding by Pay Loader.	Coal Transportation from pit to coal stock yard is done by Dumpers, coal from coal stock yard to siding through Gouri CHP is being carried out by tarpaulin covered trucks. No coal transportation has taken place during FY 22-23 as the Coal production was NIL.
ix)	The production shall be within the same Mining Lease area	The production is contained within the same mining lease area of 255.0 Ha
x)	The depth of the void shall be 40 m from the ground level and should be adequate for fishery purpose.	The depth of the void will be left 40 m from the ground level and be adequate for fishery purpose.
xi)	The production shall be within the same Mining Lease area	The production is contained within the same mining lease area of 255 Ha.
xii)	The OB shall be completely re-handled at the end of the mining. The rest of the area will be backfilled upto the ground level and covered with about a meter thick top soil and put to use.	Noted and Will be complied. Partial backfilling of OB is done in an area of 25.663 Ha till date.
xiii)	Garland drains should be provided.	Catch drain/Garland drain of appropriate size have been constructed all around the quarry and OB dump to arrest silt & sediments flows from the respective dump sites. In case of O.B. benches in the quarry, catch drains are provided which carries silt & sediments into main sump of capacity 67 Million Gallons made at the floor of the seam. It accumulates all the silts & acts as first stage settling tank. The water will then be pumped out through pumps on to the surface settling tank (20.0m X 15.0m X 1.20m) and then passed through Pressure filter & discharged into nallah. The clear water from the surface settling tank will be used for watering the mine area, roads. Catch drains mentioned above are regularly desilted before onset of monsoon every year. Total dimensions of existing Catch drain and Garland drain is 12.85 km depth – 3m and width – 2 m.
xiv)	Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine.	The embankment constructed along the river boundary is of suitable dimensions and stabilized with plantation so as to withstand the peak flow and prevent mine inundation. The total length of embankment provided is 1.73 km.
xv)	The land after mining will be brought back for agricultural purpose to the extent possible.	Noted and will be complied.
xvi)	The CSR cost should be Rs 5/tonnes of coal produced which should be adjusted as per the annual inflation.	Agreed, will be complied as per the CIL's CSR policy under Companies Act, 2013, The fund for the CSR will be allocated based on 2% of the average net profit of the

		<p>Company for the three immediate preceding financial years or Rs 2.00 per Tonne of Coal Production of the previous year whichever is higher. CSR expenditure for last 5 years is as follows:</p> <table border="1"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Expenditure (lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017-18</td> <td>24.04</td> </tr> <tr> <td>2</td> <td>2018-19</td> <td>7.8166</td> </tr> <tr> <td>3</td> <td>2019-20</td> <td>237.35</td> </tr> <tr> <td>4</td> <td>2020-21</td> <td>47.05</td> </tr> <tr> <td>5</td> <td>2021-22</td> <td>2.17</td> </tr> <tr> <td>6</td> <td>2022-23</td> <td>25.39</td> </tr> </tbody> </table>	Sr no.	Year	Expenditure (lakhs)	1	2017-18	24.04	2	2018-19	7.8166	3	2019-20	237.35	4	2020-21	47.05	5	2021-22	2.17	6	2022-23	25.39
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xvii )	Everybody in the core area should be provided with mask for protection against fugitive dust emissions	<p>Protective respiratory devices are provided to workmen exposed to dust area. Workers are also regularly given training on safety and health aspects at VTC (This is the statutory requirement under mines safety Act). Details of VTC training is as follows:</p> <table border="1"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>VTC (nos.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017</td> <td>153</td> </tr> <tr> <td>2</td> <td>2018</td> <td>161</td> </tr> <tr> <td>3</td> <td>2019</td> <td>162</td> </tr> <tr> <td>4</td> <td>2020</td> <td>57</td> </tr> <tr> <td>5</td> <td>2021</td> <td>60</td> </tr> <tr> <td>6</td> <td>2022</td> <td>48</td> </tr> </tbody> </table>	Sr no.	Year	VTC (nos.)	1	2017	153	2	2018	161	3	2019	162	4	2020	57	5	2021	60	6	2022	48
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xviii i)	Dust mask to be provided to everyone working in the mine area	<p>Protective respiratory devices are provided to workmen exposed to dust area. Details of IMPE and PME done at Ballarpur Area is given below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">IME (in nos.)</th> <th colspan="2">PME (in nos.)</th> </tr> <tr> <th>Acheived</th> <th>Target</th> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>953</td> <td>1220</td> <td>1220</td> <td>1425</td> </tr> <tr> <td>2022</td> <td>857</td> <td>1220</td> <td>1220</td> <td>1216</td> </tr> </tbody> </table> <p>Workers are also regularly given training on safety and health aspects at VTC (This is the statutory requirement under mines safety Act).</p>	Year	IME (in nos.)		PME (in nos.)		Acheived	Target	Target	Acheived	2021	953	1220	1220	1425	2022	857	1220	1220	1216		
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	Acheived	Target	Target	Acheived																			
2021	953	1220	1220	1425																			
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xix)	The supervisory staff should be periodically responsible for ensuring compulsory regarding wearing of dust mask in the core area.	<p>It is ensured that all personal working in core area are wearing dust masks. Workers are also regularly given training on safety and health aspects at VTC.</p>																					

xx)	<p>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>	<p>Periodical health check-up of mine workers are carried out regularly with the purpose of detecting occupational diseases &amp; hearing impairment.</p> <p>WCL has set up of 25 bedded Area Hospital in Ballarpur Area with qualified doctors catering to the medical needs of the employees and local populace.</p> <p>The following infrastructure is available in the Area Hospital:</p> <ul style="list-style-type: none"> <li>• Qualified Doctors</li> <li>• Qualified lab technicians</li> <li>• Spirometry instrument,</li> <li>• ECG machine,</li> <li>• Audiometer,</li> <li>• X-ray machine,</li> <li>• Blood testing apparatus Eco friendly generator etc.</li> </ul> <p>The prevention measure / medicine for burns, malaria and provision of antisnake venom are ensured at Area hospital.</p> <p>Periodical Medical Examination (PME) is carried out compulsorily for each employee once in five years upto the age of 45 years and for those above 45 years is once in three years. PME is done with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.</p> <p>Details of IME and PME done at Ballarpur Area is given below:</p> <table border="1" data-bbox="730 1256 1361 1408"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">IME (in nos.)</th> <th colspan="2">PME (in nos.)</th> </tr> <tr> <th>Acheived</th> <th>Target</th> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>953</td> <td>1220</td> <td>1220</td> <td>1425</td> </tr> <tr> <td>2022</td> <td>857</td> <td>1220</td> <td>1220</td> <td>1216</td> </tr> </tbody> </table> <p>During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.</p>	Year	IME (in nos.)		PME (in nos.)		Acheived	Target	Target	Acheived	2021	953	1220	1220	1425	2022	857	1220	1220	1216
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xxi)	<p>The mining area should be surrounded by green belt having thick canopy of the tree cover.</p>	<p>Native species are planted by authorized personnel of FDCM, Maharashtra. Total planation done till date is 18250 nos, covering an area of 7.30 Ha. External OB dump oh 66 Ha is covered with native plants. (Own growth)</p> <p>Plantation details are as follows:</p> <table border="1" data-bbox="730 1883 1497 2094"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Plantation nos.</th> <th>Area (Ha)</th> <th>Species</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2000-01</td> <td>12000</td> <td>4.8</td> <td>Neem, Karanj, Gulmohar, Imli, Cacia,</td> <td></td> </tr> </tbody> </table>	Sr no.	Year	Plantation nos.	Area (Ha)	Species		1	2000-01	12000	4.8	Neem, Karanj, Gulmohar, Imli, Cacia,								
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xxii )	The embankment constructed along the river boundary shall be of suitable dimensions and stabilized with plantation so as to withstand the peak flow and prevent mine inundation	The embankment constructed along the river boundary is of suitable dimensions and stabilized with plantation so as to withstand the peak flow and prevent mine inundation. The total length of embankment provided is 1.73 km.				
xxii i)	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.	Catch drain/Garland drain of appropriate size have been constructed all around the quarry and OB dump to arrest silt & sediments flows from the respective dump sites. Catch drains mentioned above are regularly desilted before onset of monsoon every year. Total dimensions of existing Catch drain and Garland drain is 12.85 km depth – 3m and width – 2 m.				
xxi v)	OB shall be stacked at one external dumpsite only. The ultimate slope of the dump shall not exceed 28 degree. 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.	The OB excavated from the quarry has been dumped on surface at earmarked site and maximum height is maintained within 60 m with overall slope not exceeding 28 degrees. External OB dump of 66 Ha is covered with native plants. (Own growth) Details of OB dumps is as follows: 1. External OB - Dump 1: Area – 66.0 Ha. Partial backfilling of OB is done in an area of 25.663 Ha.				
xxv )	Catch drains and siltation ponds of appropriate size shall be constructed to arrest the silt and sediment flows from soil, OB and one external OB dump site only. The water so collected shall be utilised for watering the mine area, roads, green belt development etc. The drains 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.	Catch drain/Garland drain of appropriate size have been constructed all around the quarry and OB dump to arrest silt & sediments flows from the respective dump sites. In case of O.B. benches in the quarry, catch drains are provided which carry silt & sediments into main sump of capacity 67 Million Gallons made at the floor of the seam. It accumulates all the silts & acts as first stage settling tank. The water will then be pumped out through pumps on to the surface settling tank (20.0m X 15.0m X 1.20m) and then passed through Pressure filter & discharged into nallah. The clear water from the surface settling tank will be used for watering the mine area, roads. Catch drains mentioned above are regularly desilted before onset of monsoon every year. Total dimensions of existing Catch drain and Garland drain is 12.85 km depth – 3m and width – 2 m.				
xxv i)	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 rainfall data	Retaining wall at the toe of the dumps and OB benches is not required as such as garland drains are already constructed to arrest silt and check run-off.				
xxv ii)	Crushers at the CHP of adequate capacity for the expansion project shall be	No CHP constructed.				

	<p>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>Currently mine is not in operation, also it is proposed to merge the mine into Gouri I&amp;II(A) OC as Gouri Pauni Expansion OC. Existing air pollution control measures are as follows:</p> <ul style="list-style-type: none"> <li>• 09 nos. of sprinklers are provided at CHP combined with Gouri I&amp;II(A) OC.</li> <li>• 02 nos. of rain gun are provided at weighbridge</li> <li>• 10 nos. At Coal stock yard.</li> <li>• Mobile tankers 2 nos. Are provided, 1 no. Hired of 28 KL capacity and 1 no. Departmental of 4 KL capacity.</li> <li>• 1 no. Mechanical road sweeping machine on CTR.</li> </ul>															
xxv iii)	Drills should be wet operated	Drills are being wet operated.															
xxi x)	<p>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>	<p>Regular repairing and tarring of coal transportation road is being done.</p> <p>The density of the plantation will be maintained at 2500 plants/ha. Native species are planted by authorized personnel of FDCM, Maharashtra. Total plantation done till date is 18250 nos, covering an area of 7.30 Ha. Plantation details are as follows:</p> <table border="1" data-bbox="730 1048 1497 1384"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Plantation nos.</th> <th>Area (Ha)</th> <th>Species</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2000-01</td> <td>12000</td> <td>4.8</td> <td>Neem, Karanj, Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc</td> </tr> <tr> <td>2</td> <td>2002-03</td> <td>6250</td> <td>2.5</td> <td></td> </tr> </tbody> </table>	Sr no.	Year	Plantation nos.	Area (Ha)	Species	1	2000-01	12000	4.8	Neem, Karanj, Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc	2	2002-03	6250	2.5	
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xxx )	<p>Controlled blasting shall be practiced with use of 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>Controlled blasting with the use of delay detonators is being done in daytime only. Measures to control ground vibrations and to arrest fly rocks and boulders such as providing adequate free face for blasting and optimum charge per hole is being implemented.</p>															
xxx i)	<p>A progressive afforestation plan shall be implemented covering an area of 28.50 ha at the end of mining, which includes reclaimed External OB dump area (10 ha), excavated area (5 ha), afforestation(10 ha) and embankment area (3.5 ha) in township located outside the lease by planting native species in consultation with local DFO. The density of the trees shall be around 2500 plants/ha. Massive plantation shall be</p>	<p>Native species are planted by authorized personnel of FDCM, Maharashtra. Total plantation done till date is 18250 nos, covering an area of 7.30 Ha. External OB dump of 66 Ha is covered with native plants. (Own growth) Plantation details are as follows:</p> <table border="1" data-bbox="730 1888 1497 2078"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Plantation nos.</th> <th>Area (Ha)</th> <th>Species</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2000-01</td> <td>12000</td> <td>4.8</td> <td>Neem, Karanj, Gulmohar,</td> </tr> </tbody> </table>	Sr no.	Year	Plantation nos.	Area (Ha)	Species	1	2000-01	12000	4.8	Neem, Karanj, Gulmohar,					
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	carried out in open spaces in and around the mine and a 3 tier avenue plantation along the main approach roads to mine.	<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td>Imli, Cacia, Sisoo, Awla, Jam, etc</td> <td></td> </tr> <tr> <td>2</td> <td>2002-03</td> <td>6250</td> <td>2.5</td> <td></td> <td></td> </tr> </table>					Imli, Cacia, Sisoo, Awla, Jam, etc		2	2002-03	6250	2.5								
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xxx ii)	An estimated total of 23.439 Mm <sup>3</sup> of OB generated during the entire life of the mine. Out of which 14.73 Mm <sup>3</sup> of OB will be dumped into one external dump covering an area 66 ha of land with height of 60 m. 8.709 Mm <sup>3</sup> of will be one internal dump covering an area of 10 ha with height upto ground level. Maximum height of external dump for hard OB will not exceed 60 m. The maximum slope of the mine 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>The OB excavated from the quarry has been dumped on surface at earmarked site and maximum height is maintained within 60 m with overall slope not exceeding 28 degrees.</p> <p>Details of OB dumps is as follows:  1. External OB - Dump 1: Area – 66.0 Ha.  Partial backfilling of OB is done in an area of 25.663 Ha.</p>																		
xxx iii)	The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner.	The restoration & reclamation plan for degraded area will be in line with the approved EMP.																		
xxx iv)	Compensatory ecological & restoration of waste land, other degraded land and OB dumps in lieu of breasking open the land be carried out.	<p>It will be followed and complied.</p> <p>Native species are planted by authorized personnel of FDCM, Maharashtra. Total planation done till date is 18250 nos, covering an area of 7.30 Ha. xternal OB dump oh 66 Ha is covered with native plants. (Own growth)  Plantation details are as follows:</p> <table border="1"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Plantation nos.</th> <th>Area (Ha)</th> <th>Species</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2000-01</td> <td>12000</td> <td>4.8</td> <td>Neem, Karanj, Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc</td> <td></td> </tr> <tr> <td>2</td> <td>2002-03</td> <td>6250</td> <td>2.5</td> <td></td> <td></td> </tr> </tbody> </table>	Sr no.	Year	Plantation nos.	Area (Ha)	Species		1	2000-01	12000	4.8	Neem, Karanj, Gulmohar, Imli, Cacia, Sisoo, Awla, Jam, etc		2	2002-03	6250	2.5		
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xxx v)	The mining should be phased out in sustainable manner. No extra OB dumps are permitted.	The mining is being done in phased and sustainable manner. No extra OB dumps are created. There is only one external dump in 66 Ha which is covered with plantation.																		
xxx vi)	No groundwater shall be used for mining operations.	No Ground water is used for mining operations. CGWA NOC has been granted by vide letter no. CGWA/NOC/MIN/ORIG/2021/12555 valid from																		

		13/08/2021to 12/08/2023. Copy of NOC attached.
xxx vii)	Of the total quarry area of 64 ha the backfilled quarry area of nil ha shall be reclaimed with plantation and a void of 54 ha at a depth of 40 m which is proposed to be converted into a water body shall be gently sloped and the upper benches shall be terraced and stabilised with plantation/afforestation by planting native plant species in consultation with the local DFO. Density shall be 2500 plants per ha.	Total excavated area till date in the mine is 64.0 Ha. Presently, partial backfilling has been done in 25.633 Ha till date.
xxx viii)	Regular monitoring of GW level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers Monitoring shall be done 4 times a year. Data is submitted to MOEF and CPCB quarterly with in one month of monitoring.	The groundwater level monitoring is being carried out 4 times a year in pre-monsoon (May), Monsoon (August), Post-monsoon (November) and Winter (January) seasons and for quality once in a year. Ground water monitoring is being done by M/s. Ecomen. Copy of ground water monitoring report enclosed.
xxx ix)	The company shall put up artificial GW recharge measures for augmentation of Gw resource in case monitoring indicates a decline in water table.	Regarding, artificial recharging, village ponds at Pouni village, Chunala village and Panchgaon village have been desilted for storing rain water with enhanced capacity. 3 nos of check dams (sand bags) along the nallah flowing nearby Pouni village have been constructed. Roof top rain water rainwater harvesting provided at Pauni Manager office with roof top area of 145.25 m <sup>2</sup>
xi)	STP shall be installed in existing colony. ETP shall also be provided for workshop and CHP wastewater.	1 MLD STP is in operation at combined Sasti Township. One ETP is provided with a capacity of 75 cum /day for work shop.
xii)	Besides carrying out PME of 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. Periodical health checkup of mine workers are carried out once in five years with the purpose of detecting and keeping records of diseases. Every worker in the mine is examined in 5 years- up to the age of 45; the workers who are above 50 years are subjected to periodic medical examination at two and a half years interval. Area Hospital in WCL Ballarpur Area is a 25 bedded hospital. IME/PME details of last 5 years:	<p>Periodical health check-up of mine workers are carried out regularly with the purpose of detecting occupational diseases &amp; hearing impairment.</p> <p>WCL has set up of 25 bedded Area Hospital in Ballarpur Area with qualified doctors catering to the medical needs of the employees and local populace.</p> <p>The following infrastructure is available in the Area Hospital:</p> <ul style="list-style-type: none"> <li>• Qualified Doctors</li> <li>• Qualified lab technicians</li> <li>• Spirometry instrument,</li> <li>• ECG machine,</li> <li>• Audiometer,</li> <li>• X-ray machine,</li> <li>• Blood testing apparatus Eco friendly generator etc.</li> </ul> <p>The prevention measure / medicine for burns, malaria and</p>

		<p>provision of antsnake venom are ensured at Area hospital.</p> <p>Periodical Medical Examination (PME) is carried out compulsorily for each employee once in five years upto the age of 45 years and for those above 45 years is once in three years. PME is done with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.</p> <p>During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.</p> <p>Details of IME and PME done at Ballarpur Area is given below:</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">IME (in nos.)</th> <th colspan="2">PME (in nos.)</th> </tr> <tr> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>953</td> <td>1220</td> <td>1425</td> </tr> <tr> <td>2022</td> <td>857</td> <td>1220</td> <td>1216</td> </tr> </tbody> </table>	Year	IME (in nos.)	PME (in nos.)		Target	Acheived	2021	953	1220	1425	2022	857	1220	1216
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xIii)	Land oustees shall be compensated as per the norms laid out R & R policy of CIL or National R&R policy whichever is higher	Land outsees have been compensated and employment has been given to all the eligible persons as per CIL R&R policy. All the guidelines will be adhered from time to time framed by Government body in future. A total amount of 1.25 crores was paid as compensation to land oustees in the year 1998-99.														
xIiii )	For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery( on scale of 1: 5000) of core zone and buffer zone, from start of project until end shall be prepared once in 3 years and report should be submitted to MoEFCC and its concerned Regional authority.	Digital survey of entire lease hold area/core zone using satellite remote sensing survey is carried out once in three years. The copy of report is attached. The same is submitted to RO, MOEFCC along with six monthly report.														
xIiv )	A detailed final mine closure plan along with details of Corpus fund shall be submitted to MoEFCC within 6 months of Environmental clearance	<p>Mine closure guidelines came into force from 27/08/2009, wherein detailed framework for Mine Closure Plan was described. Thereafter MCP for Pauni OC was prepared. As per amended guidelines the competent authority to approve MCP of mines of Govt. Companies will be concerned board of Company. Following the directives of MoC, MCP of Pauni OC was prepared and the same was approved by WCL Board on 25/08/2012.</p> <p>Progressive balance including interest as on 31.03.2022 is Rs: 13,42,20,679.00</p> <p>Escrow account No. -0897107600001258.</p>														
xIv)	The project authorities shall in consultation with the panchayats of the local villages and administration identify	Agreed, will be complied as per the CIL's CSR policy under Companies Act, 2013, The fund for the CSR will be allocated based on 2% of the average net profit of the														

	<p>socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.</p>	<p>Company for the three immediate preceding financial years or Rs 2.00 per Tonne of Coal Production of the previous year whichever is higher. CSR expenditure for last 5 years is as follows:</p> <table border="1" data-bbox="730 264 1390 616"> <thead> <tr> <th>Sr no.</th> <th>Year</th> <th>Expenditure (lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017-18</td> <td>24.04</td> </tr> <tr> <td>2</td> <td>2018-19</td> <td>7.8166</td> </tr> <tr> <td>3</td> <td>2019-20</td> <td>237.35</td> </tr> <tr> <td>4</td> <td>2020-21</td> <td>47.05</td> </tr> <tr> <td>5</td> <td>2021-22</td> <td>2.17</td> </tr> </tbody> </table>	Sr no.	Year	Expenditure (lakhs)	1	2017-18	24.04	2	2018-19	7.8166	3	2019-20	237.35	4	2020-21	47.05	5	2021-22	2.17
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<p>xIvi )</p>	<p>Corporate Environment responsibility:</p> <p>a) The company shall have a well laid down Environment policy approved by the Board of Directors</p> <p>b) The Environment policy shall prescribe for standard operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or Forest norms/conditions.</p> <p>c) The hierarchial system or administrative order of the 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 stake holders at large.</p>	<p>Complied. Enclosed.</p> <p>It is being followed</p> <p><b>At HQ, WCL-</b> The cell is headed by GM (Env) reporting to Director (Technical). The team comprises of multi-disciplinary trained executive.  <b>At Area level</b> – General Manager heads the Environment Department &amp; assisted by GM (oprn) &amp; ANO, &amp; 1 nos. assistant managers of Environment discipline.  <b>At Unit Level-</b> Environment Management Cell is headed by Sub-Area Manager and is assisted by Project Nodal Officer (Env) at unit level.</p> <p>It is being followed.</p>																		

**B. General Conditions**

S.	Condition	Status of Compliance
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N O.		
i)	No change in Mining technology and scope of working shall be made without prior approval of the MOEF & CC	No change in Mining technology envisaged. No change will be made without prior approval of the MOEF & CC.
ii)	No change in calendar plan of production for quantum of mineral coal shall be made	No change in calendar plan of production for quantum of mineral coal is being done.
iii)	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM 10, PM 2.5, SO <sub>2</sub> and NO <sub>x</sub> .	Four ambient air quality monitoring stations are - (i) Manager Office – Pouni OC (ii) Pouni Village (iii) Gouri Village (iv) Workshop – Gouri – II OC and it is in consultation with MPCB, Chandrapur. It is being monitored by CMPDIL regularly. Monitoring reports for period of 01/10/2023 to 31/03/2023 <b>enclosed</b> .
iv)	Data on ambient air quality monitoring and heavy metals such as Hg, As, Ni, Cd, Cr etc shall be regularly submitted to Ministry including its concerned Regional office and to SPCB and CPCB once in 6 months.	It is being monitored by CMPDIL regularly. Monitoring reports for period 01/10/2023 to 31/03/2023 is enclosed
v)	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged with blasting and drilling operations, operation of HEMM etc shall be provided with ear plugs/muffs	Adequate measures are taken for control of Noise pollution. Workers engaged in blasting and drilling operations, operation of HEMM, etc are provided with ear plugs/muffs.
vi)	Industrial wastewater (workshop and WW from mine) shall be properly collected, treated so as to conform the prescribed standards	For proper treatment of Industrial wastewater-One ETP of capacity 75 cum./day has been provided in the workshop and Sedimentation tank of size 20.00m x 15.00m x 1.20m have been constructed near the mine for treatment of mine pumped out water. The quality of discharge is being monitored so as to ensure compliance of prescribed norms before discharging. Oil and grease traps installed at the WETP.
vii )	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.	Coal transportation vehicles are covered with tarpaulins and are optimally loaded. Vehicular emissions are kept under control PUC certificate for all light & passenger vehicles are taken.
vii i)	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 SPCB and data analysed through a lab recognised	Monitoring of environmental quality parameters is done by CMPDIL, Nagpur. There is a full fledged NABL accredited Env. Laboratory of CMPDIL. The Monitoring is done through this laboratory at fortnightly interval. Mine has procured a portable testing kit for field monitoring of pH, TDS etc.

	under EPA rules, 1986.												
ix)	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	<p>Protective respiratory devices are provided to workmen exposed to dust area. Workers are also regularly given training on safety and health aspects at VTC (this is the statutory requirement under mines safety act). Periodical medical examination of every worker is being done every five years in our area hospital to detect any disease so that the appropriate action can be taken up at project level.</p> <p>Details of VTC trainings carried out at Ballarpur Area is given below:</p> <table border="1" data-bbox="665 521 1295 674"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">VTC Training</th> </tr> <tr> <th>Target</th> <th>Acheived</th> </tr> </thead> <tbody> <tr> <td>2021-22</td> <td>680</td> <td>592</td> </tr> <tr> <td>2022-23</td> <td>680</td> <td>440</td> </tr> </tbody> </table>	Year	VTC Training		Target	Acheived	2021-22	680	592	2022-23	680	440
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x)	Occupational health surveillance programme of the workers shall be taken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof.	<p>Periodical health check-up of mine workers are carried out regularly with the purpose of detecting occupational diseases &amp; hearing impairment.</p> <p>WCL has set up of 25 bedded Area Hospital in Ballarpur Area with qualified doctors catering to the medical needs of the employees and local populace.</p> <p>The following infrastructure is available in the Area Hospital:</p> <ul style="list-style-type: none"> <li>• Qualified Doctors</li> <li>• Qualified lab technicians</li> <li>• Spirometry instrument,</li> <li>• ECG machine,</li> <li>• Audiometer,</li> <li>• X-ray machine,</li> <li>• Blood testing apparatus Eco friendly generator etc.</li> </ul> <p>The prevention measure / medicine for burns, malaria and provision of antisnake venom are ensured at Area hospital.</p> <p>Periodical Medical Examination (PME) is carried out compulsorily for each employee once in five years upto the age of 45 years and for those above 45 years is once in three years. PME is done with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.</p> <p>During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.</p> <p>Details of IMPE and PME done at Ballarpur Area is given below:</p>											



	<p>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 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>	
xv ii)	<p>The project proponent shall be submit six monthly compliance reports on status of Compliance of the stipulated EC conditions (both in hard copy and email) to the respective Regional Office of Ministry, respective Zonal offices of CPCB and SPCB.</p>	<p>Noted and is being complied. Copy of Cover letter of last six monthly compliance report submitted to Regional Officer of the MOEF, the respective Zonal offices of CPCB and the SPCB attached.</p>
xv iii)	<p>The regional office of this ministry located in the region shall monitor compliance of the stipulated conditions. The project authorities shall extend full co-operation to the office(s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.</p>	<p>Noted</p>
xi x)	<p>The environment statement for each financial year ending 31<sup>st</sup> March in Form-V is mandated to be submitted by the project proponent for the concerned SPCB as prescribed under the EP Rules, 1986, as amended subsequently, shall also be uploaded on the company's website along with status of compliance of EC conditions and shall be sent to the respective Regional offices of the MoEF&amp;CC by e-mail.</p>	<p>The Form V of the project for the year 2021-22 has been submitted to MPCB before 25.09.2022 Attached. The same will be continued in future.</p>
5	<p>The proponent shall abide by the commitments and recommendations made in EIA/EMP report so also during their presentation to EAC.</p>	<p>Noted and will be complied</p>
7	<p>The commitment made by the proponent to the issue raised during the Public Hearing shall be implemented by the proponent.</p>	<p>This project has been covered u/s 7 (ii) with exemption from Public Hearing</p>
8	<p>The proponent is required to obtain all necessary clearances that may be</p>	<p>Noted.</p>



	required before the start of project.	
9	The Ministry or any other competent authority may stipulate any further condition for environmental protection	Noted.
10	The proponent shall setup an Environment Audit Cell with responsibility and accountability to ensure implementation of all EC conditions.	<p>A team for Internal Monitoring of compliances of Environment clearance conditions have been set up which comprises of:</p> <ul style="list-style-type: none"> <li>· Area Nodal Officer [Env] , Ballarpur Area.</li> <li>· S.O. Civil, Ballarpur Area</li> <li>· Area Finance Manager, Ballarpur Area.</li> <li>· S.O. Mining, Ballarpur Area.</li> <li>· Area Survey Officer, Ballarpur Area.</li> </ul>
11	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 may attract action under the provisions of EPA, 1986.	Noted.
12	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, The environment (Protection_ Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and coccupational and other diseases due to the mining operations	Noted and will be followed.
13	Any appeal against this EC shall lie with the NGT, if preferred, with in a period of 30 days as prescribed under section 16 of NGT Act, 2010	Noted.
14	This EC supersedes the earlier EC, vide letter no. Letter J-11015/118//2013-1A.II(M) dated 24.12.2014 for 0.90 MTPA	Noted.