# E.M.P. COMPLIANCE REPORT AS ON 01.10.2022

### **BHATADI OPENCAST EXPANSION PROJECT**



## WESTERN COALFIELDS LIMITED CHANDRAPUR AREA

### **PART-IV**

**Project:-** BHATADI OPENCAST EXPANSION PROJECT

Environmental Clearance:- No.J-11015/151/2014-IA-II(M) dt.13<sup>th</sup> March, 2020

Six Monthly Compliance Report:- 01.04.2022 to 30.09.2022

### COMPLIANCE REPORT AGAINST ENVIRONMENTAL CLEARANCE

S.N.	EC CONDITIONS	COMPLIANCE STATUS
(i)	Distance from the mine and OB Dumps shall be 150 m away from river.	The nearest boundary of mine lease is 330 mtr. away from the river.
(ii)	All additional mitigation measures proposed shall be implemented in 1 year of issue of this letter.	Mechanical Road Sweeping Machine has already been procured and deployed as and when required. Pipe conveyor system has been commissioned and is operational. Mist fogger cannon is likely to be commissioned in FY 2022-23.
(iii)	of native trees with broad leaves along the periphery of the mine to prevent the	Balance plantation shall be carried out in FY 2023-24
(iv)	Validity of EC is life of the mine or 30 years whichever is earlier as per EIA Notification, 2006.	
(v)	Consent to Establish from the State Pollution Control Boards for the proposed peak capacity of 1.465 MTPA	MPCB-CONSENT-0000088185 dtd: 02.02.2020 after
(vi)	_	Transportation of Coal from CHP is currently being carried out with tarpaulin covered trucks. Pipe conveyor has been commissioned and road transportation of coal shall be gradually reduced
(vii)	source, the crusher and in-pit belt	Mist spray arrangement already provided at Crusher and in belt conveyor. 30 no. of mist spray nozzles provided under such arrangement. (Annexure-D)

(viii)	Mitigating measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at loading and unloading points, etc.	Coal transportation roads. 3 No. of 28KL water tankers water on Haul Road. 30 no. rainguns are provided 13 no of sprinklers are provided. 3 no high efficiency raingung 30 nos of mist spray nozz Conveyor at Bhatadi OCM. Avenue Plantation has be Transportation Road.	are provided for sprinkling lalong Coal Stock Yard. wided along Coal transport s provided in CHP area. eles provided in CHP and en done along the Coal
(ix)	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.		
		2016-17	178
		2017-18	209
		2019-20	287
		2020-21	254
		2021-22 (upto Sept.2022)	179
			11/
(xi)	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.  Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be	for livelihood and skill devel 520 nos. of persons were give approximate cost of Rs. 1.20 Proposal of planting One Lal along the periphery of mine in	elopment. During 2015-18, ven training at CIPET at an Crores.  kh no of trees in three years in an approximate 40.00 ha.
	developed to mitigate/check the dust pollution.		
(xii)	Efforts shall be made for utilizing alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.	purposes after treatment. Avais in sufficient amount to cat	ailability of mine discharge
(xiii)	The company shall obtain approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 1.465 MTPA.	CGWA/NOC/MIN/ORIG/20	22. Applied for 1 <sup>st</sup> Renewal
(xiv)	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	for monitoring of occupatio as follows;	nal health hazard. data are
		Year	PME
		2016-17	163
		2017-18	178
		2018-19	209
		2019-20	287
		2020-21	254

		2021-22 (upto Sept.2022) 179
(xv)	three years through agency like	Work has been awarded to CSIR-NEERI vide letter वेकोलि/ मुख्यालय/ पर्यावरण/ 16-J/44 दिनांक: 24.11.2020 Copy of the Report is attached for kind perusal.
(xvi)		Noted Bhatadi OC presently has two External OB dumps D1 and D2. D2 Dump has become inactive and has been stabilized through thick Plantation. D1 Dump is active dump which has achieved the height of 64 m out of total 90 m. OB dump get compacted due to continuous movement of heavy HEMM such as Dumpers and dozers and thus avoid air born particles. However possibility of grassing shall be explored in near future.
(xvii)		Noted Activities are carried out under CSR as per Companies Act, 2013. Activities carried out under CSR during last 5 years are enclosed as Annexure-F
(xviii)		
(xix)	The Project Proponent shall complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2 <sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. State Government shall ensure that the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department in strict compliance of judgment of Hon'ble Supreme Court dated the 2 <sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union Of India and Ors.	Noted  No illegal Mining is carried out at the Bhatadi Opencast.
(xx)	Central Ground Water Authority (CGWA) in case of intersecting the Ground Water table. The intersecting	NOC has been approved. NOC No. CGWA/NOC/MIN/ORIG/2020/7631 dtd: 13.03.2020 which is valid upto 12.03.2022. Applied for 1 <sup>st</sup> renewal dtd: 29.09.2022, Monitoring report on levels and quality are submitted along with 6 monthly EC Compliance on regular basis. Copy enclosed as Annexure-G

	commence after conducting detailed hydrogeological study and necessary permission from the CGWA. The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry, CGWA and State Pollution Control Board.	
(xxi)	Health Specialist for Regular and Periodical medical examination of the	
(xxii)	Project Proponent shall follow the mitigation measures provided in Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29 <sup>th</sup> October, 2014 titled "Impact of mining activities on Habitation-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
(xxiii)	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	Noted
(xxiv)	1	A detailed 2 year study is being undertaken for conservation of wildlife in the project area in

for and association with reputed Institute NEERI, Nagpur and operation conservation protection of endangered fauna, if any, Wildlife Institute of India. Recommendations of this spotted in the study area. Action plan for study shall be implemented on receipt of the same. conservation of flora and fauna shall be implemented prepared and consultation with State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office. Hon'ble Supreme Court in an Writ (xxy)Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgment dated 8<sup>th</sup> January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, Noted undertake re-grassing the mining area To be complied with after ceasing of mining operations 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 mining lease holders/Project the Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the Ministry. (xxvi) CTE/CTO for the project shall be Consent to operate for the coal production capacity of obtained from the SPCB as required 1.465 MTPA vide: Format1.0/CA/UAN under the Air (Prevention and Control of 0000088190/CO-2005000271 dt. 08.05.2020 for a Pollution) Act, 1981 and the Water period upto 31.03.2021 (Prevention and Control of Pollution) Act, 1974 and the SPCB shall follow the Applied Renewal for CTO vide mechanism/ protocol issued by the MPCB-CONSENT-0000109729 dtd. 01.03.2021 upto no. | 31.03.2023 Ministry letter vide 24<sup>th</sup> Q-16017/38/2018-CPA dated the CTO renewal application approved upto 31.03.2023 October. 2019 while issuing for vide 7<sup>th</sup> CAC MoM of MPCB. CTE/CTO for the project, improvement of environmental quality in the area. (xxvii) The green belt of at least 5-10 m width Till date plantation of 242175 nos. of trees has been shall be developed in more that 40% of done in 80.27 ha. of land. the total project area, mainly along the periphery of mine boundary, in Proposal of planting One Lakh no of trees in three years downward wind direction, and along along the periphery of mine in an approximate 40.00 ha. road sides etc. Selection of plant species area has already been initiated. 22000 saplings have shall be as per the CPCB guidelines in been planted in 2020-21 & 37500 saplings have been consultation with the State Forest planted in 2021-22. Department.

(xxviii)	develop greenbelt outside the plant premises such as avenue plantation,	Outside mine lease plantation is taken up CSR only. Outside mine area plantation has already been developed by WCL Chandrapur Area in degraded forest land with FDCM for 150 ha. Similarly Chandrapur area has contributed 5 crores for development of a APJ Abdul Kalam Ecopark.
(xxix)	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted Work has been awarded to CSIR-NEERI vide letter वेकोलि/ मुख्यालय/ पर्यावरण/ 16-J /44 दिनांक: 24.11.2020
(xxx)	The percentage the CER may be atleast 2 times the amount given in the OM dated 1 <sup>st</sup> May, 2018 recommended by the EAC and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Noted Present expansion is without any capacity investment so
(xxxi)	Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.	Mist. spray system & Side Cladding provided at CHP for control of fugitive emissions.  Mobile tankers are deployed for coal transportation road and haul road. Sprinklers and rainguns are provided for coal stock yard.  Transportation is made with Tarpaulin covered trucks and is likely to be replaced through Pipe Conveyor System to eliminate emissions during transportation.
(xxxii)	Transportation of materials by rail/conveyor belt, wherever feasible.	Pipe conveyor has already been commissioned at the mine and would account for the majority of coal transport from the mine.
(xxxiii)	A detailed water harvesting plan may be submitted by the project proponent.	Rain Water Harvesting Structure at Bhatadi OCP has already been installed at an approximate cost of Rs. 2.63 lakhs during 2020-21Photograph as (Annexure-D)
(xxxiv)	In case domestic waste water generation is more than 10 KLD, the industry may install STP.	STP of 50 KLD provided.
(xxxv)	Monitoring of compliance of EC conditions may be submitted with third party audit every year.	Noted Work has been awarded to CSIR-NEERI vide letter वेकोलि/ मुख्यालय/ पर्यावरण/ 16-J / दिनांक: 24.11.2020
(xxxvi)	years from the issue of this letter and	Noted All the conditions of earlier EC dtd: 19th March 2015 are already complied or in compliance and has been certified by Regional Office of MoEF&CC during its inspection on 22.01.2018(Annexure-H)
(xxxvii)	All the recommendation of comprehensive study being conducted by NEERI shall be implemented by project proponent within certain timeline and necessary timeline shall be submitted to Ministry's Regional Office.	Noted

4.1	The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:	
(a)	Statutory compliance	
(i)	clearance under the provisions of Forest	Proposal for Stage-I FC for 0.20 Ha. forest land is currently pending with State Government.  No mining shall be carried out without FC.
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable
(iii)	Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the	Noted A detailed 2 year study is being undertaken for conservation of wildlife in the project area in association with reputed Institute NEERI, Nagpur and Wildlife Institute of India, Dehradun. Recommendations of this study shall be implemented on receipt of the same.
(iv)	Consent to Establish/Operate under the	0000088190/CO-2005000271 dt. 08.05.2020 for a period upto 31.03.2021
(v)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	NOC has been approved. NOC No. CGWA/NOC/MIN/ORIG/2020/7631 dtd: 13.03.2020 which is valid upto 12.03.2022, Re-applied for 1st Renewal dtd: 29.09.2022
(vi)	_	Solid/hazardous waste generated in the Bhatadi OC is disposed via MPCB authorized agency to CHWTSDF.
(b)	Air quality monitoring and preservation	
(i)	monitoring stations as prescribed in the statue be established in the core zone as	Ambient air quality monitoring is done fortnightly for pollutants namely PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NOx by Central Mine Planning & Design Institute Limited (CMPDIL) in the core zone as well as in the buffer zone. Reports are regularly submitted to MPCB &

and NOx. Location of the stations shall MoEF&CC (Annexure-C) be decided based on the meteorological data, topographical features and One CAAOMS has been commissioned in adjoining mine of Durgapur OCP on 11.10.2020 and data is environmentally and ecologically sensitive targets in consultation with the submitted to MPCB on regular basis. State Pollution Control Board. Online ambient air quality monitoring stations Mist fogger cannon is likely to be commissioned in FY may also be installed in addition to the 2022-23. Monitoring of Heavy Metals is also carried regular monitoring stations as per the out every six monthly and reports are submitted to RO, requirement and/or in consultation with MoEF&CC vide Email (Annexure-J) the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months. (ii) The Ambient Air Quality monitoring in Monitoring is done by CMPDIL as per GSR 742 (E) dated 25<sup>th</sup> September, 2000 and reports are submitted to the core zone shall be carried out to ensure the Coal Industry Standards Ministry/Regional Office and to the CPCB/MPCB. notified vide GSR 742 (E) dated 25<sup>th</sup> Monitoring of Heavy Metals is also carried out every September, 2000 and as amended from six monthly and reports are submitted to RO, time to time by the Central Pollution MoEF&CC vide Email. Control Board. Data on ambient air Last such report on Heavy metals submitted is enclosed quality and heavy metals such as Hg, As, as Annexure-J Ni, Cd, Cr, and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB. (iii) Transportation of coal, to the extent Currently transportation is done through tarpaulin permitted by road shall be carried out by covered trucks however transportation of material will Effective be done through pipe conveyor system which is under trucks/conveyors. control measures such as regular water/ advance stages of completion, in near future. mist sprinkling/rain gun etc shall be Mist. spray system & Side Cladding provided at CHP carried out in critical areas prone to air for control of fugitive emissions. pollution (with higher values of Mobile tankers are deployed for coal transportation road, road and haul road. Sprinklers and rainguns are  $PM_{10}/PM_{2.5}$ such as haul loading/unloading and transfer points. provided for coal stock yard. Fugitive dust emissions from all sources It is proposed to use MgCl2 as an additive to water for shall be controlled regularly. It shall be dust suppression. ensured that the Ambient Air Quality It is proposed to acquire one mobile mist fogger cannon parameters conform to the norms for CHP/Coal Stock area for fugitive dust control during prescribed by the Central/State Pollution 2021-22. Control Board. The Transportation of coal shall be Coal transportation is now predominantly through pipe (iv) carried out as per the provisions and conveyor. Road transport if any shall be through route envisaged in the approved Mining covered trucks Plan or environment monitoring plan. Coal transport roads are regularly wetted by spraying Transportation of the coal through the water through mobile tankers. existing road passing through any village shall be avoided. In case it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, and accidents could be dust appropriately mitigated.

(v)	control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after	Vehicles complying to RTO rules which includes owing PUC certificate, are only engaged in coal transportation.  Sample copy of Work Order indicating compliance of various Laws including imposed by RTO and few valid PUC of vehicles engaged for reference (Annexure-K)
(vi)	breaker material transfer points shall	Sprinklers and rain-guns are provided around coal stock yard & crusher.  Drills are fitted with dust extractor.
(vii)	with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable	Mist. spray system & Side Cladding provided at CHP for control of fugitive emissions.  Mobile fogger has been proposed for Bhatadi CHP area for conservation of water.  It is proposed to use MgCl2 as an additive to water for dust suppression.
(c)	Water quality monitoring and preservation	
(i)	water, workshop effluent) shall be	
(ii)		
(iii)	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	Monitoring Report enclosed as Annexure-G  02 nos. Piezometers have been installed in the mine for monitoring of ground water levels.

(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 and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Monitoring of water quality upstream and downstream of water bodies is carried out once in six months and reports are submitted to RO, MoEF &CC vide email. Copy enclosed as Annexure-L
(v)	Rainwater harvesting shall be	No ground water is used for mining. Rain Water Harvesting at SAM Office, Bhatadi OCP has been constructed at an approximate cost of Rs. 2.63 lakhs.
(vi)	ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/compacted and accumulation of water over dump shall be avoided by providing adequate channels for flow of silt into the drains/ ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide	At Bhatadi OCP one retaining wall exists inside mine of length 80 mtr. below view point. Catch drains are provided to collect runoff and siltation from OB Dumps as expansion project commences additional toe wall shall be constructed as and when required.
(vii)	measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after	Rain Water Harvesting at SAM Office, Bhatadi OCP has been constructed at an approximate cost of Rs. 2.63 lakhs.  Artificial ground water recharge is being done through one no. of rain harvesting pond (size 110 x 60 m). There is no shortage of water in the nearby villages. Their ponds remain full round year.
(viii)	CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under	Industrial waste water is being collected properly for mine discharge. 6 nos. of Sedimentation tanks have been provided in series & ETP of capacity 75 KLD is provided and fitted with oil & grease trap. Treated water is reused for washing of HEMM STP of Capacity 50KLD provided for Colony.

	(Protection) Act, 1986 and the Rules made there under, and as amended from time to time, Adequate ETP/STP needs to be provided.	
(ix)	after siltation, shall be utilized for	
(x)	mining operations, considering the	As embankment of suitable dimension (20m on top x 3m height above HFL) has been constructed along river boundary with hard material & river front side has been stabilized with plantation.
(xi)		Noted Already a similar study in nearby coalfield in WCL has been carried out. As directed, similar study will be completed in next 6 months
(d)	Noise and Vibration monitoring and prevention	
(i)	control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations,	

	conducted. Progress in usage of such accessories to be monitored.	
(ii)	practiced in order to mitigate ground	Controlled blasting is being done with the help of shock tube. Blasting hours are fixed and blasting is carried out with due precautions. Vibrations are recorded using Vibrometer and results are within limit.
(iii)	out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises,	Monitoring results are within permissible limits and reports are regularly submitted to regional office of MoEFCC vide email at <a href="mailto:eccompliance-mh@gov.in">eccompliance-mh@gov.in</a> and
(e)	Mining Plan	
(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Already being done & will continue to be done
(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 Mines Safety (DGMS).	Already being done & will continue to be done
(iii)	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	
(iv)	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	
(f)	Land reclamation	
(i)	area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring	Land Reclamation report of Bhatadi OC for the year 2021 is enclosed as Annexure-M
(ii)	preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of	Currently life of mine is 8 years and backfilling is in progress.  Till 30.09.2022, 4.50 Mm3 of overburden has been backfilled in the quarry and the same is being continued.  As a part of progressive mine closure plan till date 80.27 Ha of land has been covered with plantation (242175)

	be rendered usable for agriculture/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued	From 2020-21 onwards 1.00 lakh nos. trees will be planted along mine boundary in a phased manner with in 3 years period to increase the green cover. 22000 plants have been planted in 2020-21 along mine boundary.  Plantation of 37500 nos. have been planted in 2021-22 along periphery for green belt development.
(iii)	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining"/"post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	
(iv)	of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall	Moreover, MOC & MoEF &CC has jointly agreed for a detailed scientific study on this issue. As such, till an informed decision is arrived, the condition may be kept on hold.
(v)	Further, it may be ensure that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation 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.	Noted.

	Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	
(vi)	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Noted
(g)	Green Belt	
(i)	precautionary measures during mining operation for conservation and protection of endangered/endemic	Recommendations of this study shall be implemented
(ii)	of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt	37500 nos. of plants have been planted in 2021-22 along
(h)	Pub Hearing and Human Health issues	
(i)	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 and it's RO on 6 monthly basis.	Noted Illumination at the mine site is provided as per statute. Monitoring is done on monthly basis. Report shall be submitted to Ministry and it's RO along with 6 monthly EC Compliance. Copy of last 6 months enclosed for your reference as Annexure-N
(ii)		2016-17     163       2017-18     178       2018-19     209       2019-20     287       2020-21     254       2021-22     170

	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.	Masks are provided as protective gear.
(iv)	Implementation of 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.	Noted
(v)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-1A.II(M) dated 29th October, 2014, titled 'impact of mining activities on habitations- issues related to the mining projects where in habitations and villages are the part of smileys areas or habitations and villages are surrounded by the mine lease area'.	Noted
(i)	Corporate Environment Responsibility	
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility	This is an existing mine with expansion without capital investment so CER is not applicable.
(ii)	environmental policy duly approved by	

	/conditions and/or shareholders/stakeholders	
(iii)	project and company headquarter level with qualified personnel shall be set up	At corporate level the Environmental issues are dealt by Director(Tech) P&P and GM(Env.). At area level it is headed by General Manager (Opr) & Area Nodal Officer. At project level, by Sub Area Manager through Nodal officer of the project.
(iv)	responsibility matrix of the company	Annual Fund is allocated to Environment Department under Capital and Revenue Budget which is used solely for implementation of Environmental Activities under EMP.
(v)	Self environmental audit shall be conducted annually. Every 3 years third party environmental audit shall be carried out.	Third party audit every year is being carried out.
(j)	Miscellaneous	
(i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it in at least two local newspapers of the district or state, of which one shall be in vernacular language within 7 days and in addition this shall also be displayed in the project proponent's website permanently	<ol> <li>Chandrapur Mahasagar (Marathi) dtd: 17.03.2020</li> <li>Mahavidarbha (Marathi) dtd: 17.03.2020</li> <li>However same has been uploaded on the WCL website</li> </ol>
(ii)	clearance shall be submitted by the	
(iii)	environment Clearance conditions,	Compliance of EC Conditions along with monitored data is being submitted to MoEFCC Regional office vide email and the same is being uploaded on Parivesh

	<u></u>	
(iv)	criteria pollutants level namely; PM10, SO2 and NOx (ambient levels) or critical sectoral parameters, indicated for the	Monitoring is done by Central Mine Planning and Design Institute (CMPDI) for the SPM, PM10, SO2 and NOx and reports are submitted to MoEFCC Regional office, Nagpur vide email and are uploaded on WCL website for general public along with putting on Board.
(v)		
(vi)	The project proponent shall follow the mitigation measures provided in this Ministry's OM No. Z-11013/5712014-IA.II(M) dated 29th October, 2014, 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.
(vii)	environmental statement for each financial year in Form-V to the concerned state pollution control board as prescribed under the Environment	Environment Statement for 2021-22 was submitted online on MPCB portal vide UAN No. MPCB-ENVIRONMENT_STATEMENT-0000046337
(viii)	The project authorities shall inform to the Regional office of the MoEFCC regarding commencement of mining operations.	Informed the Regional office of the MoEFCC regarding commencement of mining operations vide email. (Annexure-S)
(ix)		Conditions stipulated by State Pollution Control Board, here MPCB via its Consent to Establish/Operate are adhered.
(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
(xi)	No further expansion or modification in the plant shall be carried out without prior approval of the ministry of	Noted

	Environment, Forests and Climate Change.	
(xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under provisions of Environment (Protection) Act, 1986	Noted
(xiii)	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
(xiv)	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions	
(xv)	should extend full cooperation to the	monitoring of compliance of conditions stipulated in the
(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 and any other orders passed by the Honorable Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter	
5	The project proponent shall abide by all the commitments and recommendations made in EIA/EMP report and also that during the presentation to EAC. All the commitments made on the issues raised during public hearing shall also be implemented in the letter and spirit.	Noted
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.	Noted
7	Any appeal against this environmental clearance Shall lie with the National Green Tribunal, if preferred, with in a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted
8		However, production of the mine is done within EC limits. No illegal mining activities are carried out at the Bhatadi Opencast mine.
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 there respective Department of Mining and Geology, in strict compliance of judgement of Hon'ble Supreme Court.	Noted  Mining is done in compliance of all the laws as applicable. No compensation has been imposed by the State Government.
10	This Environment Clearance shall not be operational till such time the project proponent complies with the above said judgement of Hon'ble Supreme Court, as applicable, and other statutory	Noted

	requirements.	
11	This issues in suppression of the earlier EC granted vide letter dated 19 <sup>th</sup> March, 2015.	Noted

Mine Manager Bhatadi OC Manager (C)
Padmapur Sub Area

Area Nodal Officer (Env) WCL-Chandrapur Area

Sub Area Manager Padmapur Sub Area