## Six Monthly Compliance Report of Environmental Clearance

#### NEW SETHIA OPENCAST MINE

#### [0.50 MTPA in Area of 144.453 HA] EC No.: J-11015/452/2007-IA.II(M), Date-21.02.2017



### Western Coalfields Limited Pench Area Po: Parasia, Chhindwara (MP)- 480441

PERIOD: 01.10.2022 to 31.03.2023

#### **EC Compliance Report**

# EC letter No. J-11015/452/2007 – IA.II (M) Dt. 19.02.2008. EC enhanced from 0.20 MTPA to 0.50 MTPA vide letter No. J-11015/452/2007-IA.II(M) dated 21.02.2017

Sr. No	Conditions	Compliances
110	Specific Condit	ions
1	The maximum production from the mine	Noted.
	at any given time shall not exceed the	
	limit as prescribed in the EC.	
2	The validity of the EC is for the life of	Seen.
	the Mine or as specified in the EIA	
	notification, 2006, whichever is earlier.	
3	The project proponent shall obtain	Obtained vide CTE-46786 dated
	Consent to Establish for the proposed	14.03.2017.
	capacity of 0.50 MTPA before	
	enhancing the production capacity.	
4	Transportation of coal should be carried	Transportation of coal is done
	out by covered trucks. Adequate	with proper covering of laden
	mitigative measures shall be undertaken	coal on the truck by tarpaulin.
	to control dust and other fugitive	The road is blacktopped all
	emissions all along the roads by	along.
	providing sufficient numbers of water	
5	sprinklers.	Periodical medical examination
5	Continuous monitoring of occupational safety and other health hazards, and the	of all the mine workers done
	corrective actions shall be ensured.	every 5 years upto the age of 45
	concentre actions shall be ensured.	years. For persons above 45
		years, the medical examination
		done every 3 years. Corrective
		measure is taken in case of any
		adverse report.
6	Controlled blasting should be adopted to	Complied.
	control ground vibration and fly rocks.	
7	A progressive afforestation plan shall be	Till now plantation on internal
	implemented covering an area of 43.75	OB dump area is 19.0 ha and on
	Ha at the end of the mining, which	external OB dump is 9.0 ha. At
	includes reclaimed External OB dump	the end of the mining plantation
	area (6 Ha), Internal OB dump area	covering an area of 47.75ha will
	(21.60 Ha) and Green Belt (15 Ha) and	be achieved.
	in township located outside the lease by	
	planting native species in consultation	

	with local DFO/Agriculture Department.	
	The density of the trees shall be around	
	2500 plants per ha. Massive plantation	
	shall be carried out in open spaces in and	
	around the mine and a 3-tier avenue	
	plantation along the main approach roads	
	to the mine.	
8	An estimated total 9.88 Mm3 of OB will be generated during the entire life of the	All the generated OB is being dumped internally. After the
	mine. There will be no external OB	completion of OB dump,
	Dump. 9.88Mm3 of OB will be dumped	plantation will be done.
	in two internal OB dump covering an	Francisco de la competitione de
	area of 21.60 ha. The height of internal	
	OB dump will be up to ground level.	
	Monitoring and management of	
	reclaimed dump sites shall be continued	
	till the vegetation becomes self-	
	sustaining and compliance status shall be	
	submitted to MoEF&CC and its	
	Regional Office on yearly basis.	
9	Of the total quarry area of 74.33 ha, the	Till now backfilled OB area is
	backfilled quarry area of 21.60 ha shall	19.0 ha. Plantation on this
	be reclaimed with plantation and there	reclaimed area has been done.
	will be no void left at the end of the	
	mining operations. The land after mining	
	shall be restored for agriculture purpose.	
	General Condition	ons
	Mining	
1	No change in mining technology and	Noted.
	scope of working should be made	
	without prior approval of the Ministry of	
	Environment, Forest and Climate	
	Change.	
2	No change in the calendar plan including	Noted.
2	No change in the calendar plan including excavation, quantum of coal and waste	Noted.
	No change in the calendar plan including excavation, quantum of coal and waste should be made.	
	No change in the calendar plan including excavation, quantum of coal and waste should be made.Mining shall be carried out as per the	Noted. Complied.
	<ul> <li>No change in the calendar plan including excavation, quantum of coal and waste should be made.</li> <li>Mining shall be carried out as per the provisions outlined in approved mining</li> </ul>	
	<ul> <li>No change in the calendar plan including excavation, quantum of coal and waste should be made.</li> <li>Mining shall be carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant</li> </ul>	
2 3	No change in the calendar plan including excavation, quantum of coal and waste should be made.Mining shall be carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the	
	<ul> <li>No change in the calendar plan including excavation, quantum of coal and waste should be made.</li> <li>Mining shall be carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General</li> </ul>	
3	No change in the calendar plan including excavation, quantum of coal and waste should be made.Mining shall be carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS).	Complied.
	<ul> <li>No change in the calendar plan including excavation, quantum of coal and waste should be made.</li> <li>Mining shall be carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General</li> </ul>	

	strictly be complied with. A compliance	company. Compliance report of
	report in this regard shall be submitted to	the same is submitted to the
	Regional Office/MoEF&CC every six	regional office of MoEF&CC
	month from the date of commencement	every six months.
	of mining operations.	
	Land Reclamation	
1	Digital processing of the entire lease area	It is done by CMPDIL, Ranchi.
	using remote sensing technique shall be	
	carried out regularly once in three years	
	for monitoring land use pattern and	
	report submitted to Ministry of	
	Environment, Forest and Climate	
	Change its Regional Office.	
2	The reclamation at waste dump sites	The plantation on backfilled OB
	shall be ecologically sustainable.	area or OB dump top or slope or
	Scientific reclamation shall be followed.	plane area is done by M.P.R.
	The local species may be encouraged	V.V.N. Ltd. They are the expert
	and species are so chosen that the slope,	in this field and they select the
	bottom of the dumps and top of the	species most suitable to the local
	dumps are able to sustain these species.	climate.
	The aspect of the dump is also a factor	
	which regulate some climatic parameters	
	and allows only species adopted to that	
	micro climate.	
3	Final mine void depth should not be	Noted.
	more than 40m. The void area should be	
	converted into water body. The	
	remaining area should be back filled up	
	to ground level and converted with thick	
	top soil. The land after mining should be	
	restored for agriculture use.	
4	The top soil, if any, shall temporarily be	The top soil has been stored
	stored at earmarked site(s) only and it	separately. After the OB dump is
	should not be kept unutilized for long.	complete, this soil will be spread
	The top soil shall be used for land	over it and plantation will be
	reclamation and plantation. The over	done. All the OB generated is
	burden (OB) generated during the	being backfilled on the
	mining operations shall be stacked at	earmarked place. Compliance
	earmarked dump site(s) only and it	status is submitted to the
	should not be kept active for a long	MoEF&CC and to its Regional
	period of time. The overburden dumps	Office every six months.
	should be scientifically vegetated with	· · · · · · · · · · · · · · · · · · ·
	suitable native species to prevent erosion	
	and surface run off. In critical areas, use	

	of geo textiles shall be undertaken for	
	stabilization of the dump. The entire	
	excavated area shall be backfilled and	
	afforested in line with the approved	
	Mine Closure Plan. Monitoring and	
	management of rehabilitated areas	
	should continue until the vegetation	
	becomes self-sustaining. Compliances	
	status shall be submitted to the Ministry	
	of Environment, Forest and Climate	
	Change and its Regional Office on six	
	monthly basis.	
5	Plantation shall be raised in a 7.5m wide	Plantation has been done on the
5	green belt in the safety zone around the	backfilled area and all along the
	mining lease, backfilled and reclaimed	water body which has been
	area, around water body, along the roads	created by mining operation.
	etc. by planting the native species in	This water body is used by locals
	consultation with the local	for agriculture purpose.
	DFO/Agriculture Department and as per	Plantation by the side of the road
	CPCB guidelines. The density of the	is also done.
	trees should be around 2500 plants per	
	ha. Greenbelt shall be developed all	
	along the mine lease area in a phased	
	manner and shall be completed within first five years.	
	Emissions, Effluents and Waste Disposa	1
1	Effective safeguard measures such as	Mobile water tanker is used for
1	regular water sprinkling shall be carried	spraying of water on the haul
	out in critical areas prone to air pollution	road. Fixed type of sprinklers
	and having high levels of PM10 and	have been installed at loading
	PM2.5 such as haul road, loading and	and unloading points. Ambient
	unloading point and transfer points.	Air Quality parameter is analysed
	Fugitive dust emissions from all the	every fortnight and the result is
	sources shall be controlled regularly. It	within prescribed norms.
	shall be ensured that the Ambient Air	
	Quality parameters conform to the norms	
	prescribed by the Central Pollution	
-	Control Board in this regard.	
2	Four ambient air quality monitoring	Four monitoring stations have
	stations shall be established in the core	been established in consultation
	zone as well as buffer zone for PM10,	with State Pollution Control
	PM2.5, SO2 and NOx monitoring.	Board. PM10, PM2.5, SO2 and
	Location of the stations shall be decided	NOx monitoring is done every
	based on the meteorological data,	fortnight. Monitoring of heavy

	topographical features and	metals is done every six months.
	environmentally and ecologically	
	sensitive targets in consultation with	
	State Pollution Control Board.	
	Monitoring of heavy metals such as Hg,	
	As, Ni, Cd, Cr, etc. carried out at least	
	once in six months.	
3	Data on ambient air quality (PM10,	Data is submitted regularly to the
-	PM2.5, SO2 and NOx) and heavy metals	authorities every six months.
	such as Hg, As, Ni, Cd, Cr and other	Monitoring is done by CMPDIL,
	monitoring data shall be regularly	Nagpur.
	submitted to the Ministry including its	1 (uBp ut)
	concerned Regional Office and to the	
	State Pollution Control Board and the	
	Central Pollution Control Board once in	
	six months. Random verifications of	
	samples through analysis from	
	independent laboratories recognised	
	under the EPA rules, 1986 shall be	
	furnished as part of compliance report.	
4	Transportation of the coal by road	The transportation road does not
•	passing through the village shall not be	pass through any village. The
	allowed. A 'bypass' road should be	coal laden on truck is properly
	constructed (say, leaving a gap of at least	and effectively covered with
	200 meters) for the purpose of	tarpaulin. Some plantation has
	transportation of the coal so that the	been done by the sides of the
	impact of sound, dust and accidents	transport road. Due to less space
	could be mitigated. The project	available, 3 –tier plantation could
	proponent shall bear the cost towards the	not have been done.
	widening and strengthening of existing	not have been done.
	public road network in case the same is	
	proposed to be used for the project. No	
	road movement should be allowed on	
	existing village road network without	
	appropriately increasing the carrying	
	capacity of such roads. Furthermore,	
	transportation of coal by road should be	
	carried out by covered trucks only. A 3-	
	tier green belt comprising of a mix of	
	native species shall be developed all	
5	along the major approach roads.	The transport read is DCC or
5	The pollution due to transportation load	The transport road is RCC or
	on the environment will be effectively	blacktopped. All the
	controlled and water sprinkling will also	trucks/tippers used for coal

	be done regularly. Vehicular emission	transportation have valid PUC
	shall be kept under control and regularly	certificate.
	monitored. Project should obtain 'PUC'	
	certificate for all the vehicles from	
	authorized pollution testing centers.	
6	Main haulage road in the mine should be	There is no haulage system in the
	provided with permanent water	mine. Mobile tanker is used for
	sprinklers and other roads should be	wetting haul roads. There is no
	regularly wetted with water tankers fitted	crusher in the mine. There is no
	with sprinklers. Crusher and material	belt conveyer.
	transfer points should invariably be	
	provided with Bag filters and or dry	
	fogging system. Belt-conveyors should	
	be fully covered to avoid air borne dust.	
	Use of effective sprinkler system to	
	suppress fugitive dust on haul roads and	
	other transport roads shall be ensured.	
	Drills shall be wet operated.	
7	The project proponent shall not alter the	Noted. Embankment against
	major channels around the site.	Pench River is as per DGMS
	Appropriate embankment should be	norm. Stone pitching of
	provided along the side of the	embankment is not required.
	river/nallah flowing near or adjacent to	1
	the mine. The embankment constructed	
	along the river/nallah boundary should	
	be of suitable dimensions and critical	
	patches should be strengthened by stone	
	pitching on the river front side and	
	stabilised with plantation so as to	
	withstand the peak water flow and	
	prevent mine inundation.	
8	There shall be planning, developing and	Some 14 ha of the mined-out
	implementing facility of rainwater	area has not been backfilled. This
	harvesting measures on long term basis	is serving as water reservoir. This
	and implementation of conservation	water reservoir helps in
	measures to augment ground water	maintaining ground water level.
	resources in the area in consultation with	66
	Central Ground Water Board.	
9	The Project Proponent has to take care of	Noted. It is regularly complied.
	gullies formed on slopes. Dump mass	
	should be consolidated with proper	
	filling/levelling with the help of	
	dozer/compactors.	
0	Sufficient number of Gullies to be	Garland drains have been cut all

	provided for better management of water. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into river and other water bodies. The water so	around the mine. There is no external OB dump, so no catch drain around the OB dump. Mine water first settles in the mine sump from where it is used for internal purpose like dust suppression, fire-fighting, green
	collected should be utilized for watering the mine area, roads, green belt development etc. The drains, settling tanks and check dams of appropriate size, gradient and length shall be	belt etc.
	constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed	
	keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) 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. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular	
	intervals. Dimension of the retaining wall to be constructed at the toe of the dumps and OB benches within the mine to check run-off and siltation should be eased on the rainfall data.	
11	Industrial waste water (CHP, workshop and waste water from mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended	There is no workshop or CHP. There is no specific colony earmarked for this mine. Mostly workmen are residing at Shivpuri Colony, where STP is functioning.
	from time to time. Oil and grease trap should be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed in the existing colony and offices.	
	Noise & Vibration Control	

1	Adequate measures shall be taken for control of Noise levels below 85dBA in the work environment. Workers engaged in drilling and blasting operations, operation of HEMM, etc shall be provided with ear plugs/muffs.	Noise level is measured every fortnight. It is for below 85 dBA. However, people engaged in blasting, drilling have been given ear muffs. Noise level report is that to the concerned authorities every six months. Implemented.
Ζ	practiced with use of delay detonators to mitigate ground vibrations and fly rocks.	Implemented.
3	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 level 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.	There is no village so close to the mine to have any adverse effect of mining.
4	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of Coal Handling plants and HEMM, etc. should be provided with ear plugs/muffs.	The noise level is within 85 dBA There is no coal handling plant. However, workers engaged in HEMM are provided ear plugs/muffs.
	Occupational Health & Safety	
1	Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the project and maintain records accordingly; also, occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The prevention measures for burns, malaria and	Periodical Medical Examination of workmen is done every 5 years. When age cross 45 years, this examination is done every 3 years. Health awareness talk is given every day during safety talk. There is well established hospital which caters the need of all the mines of the area.

	provision of anti-snake venom including	
	all other paramedical safeguards may be	
	ensured before initiating the mining	
	activities.	
2	Besides carrying out regular periodic	The periodical medical
	health check-up of their workers, 20% of	examination covers check-up for
	the workers identified from workforce	occupational diseases also 1/5 <sup>th</sup> or
	engaged in active mining operations	20% workmen is checked every
	shall be subjected to health check-up for	year.
	occupational diseases and hearing	
	impairment, if any, through an	
	specialized agency/institution within the	
	District/State and the results reported to	
	this Ministry and to DGMS.	
3	Personnel working in dusty areas should	Persons working in drill and
	wear protective respiratory devices and	loading machines have been
	they should also be provided with	provided dust mask. Training of
	adequate training and information on	20% of workmen is given at
	safety and health aspects. Supervisory	vocational training centre.
	shall be held responsible for ensuring	
4	compulsory wearing of dust mask.	
4	Provision shall be made for the housing	Mine is not a constructing
	of construction labour within the site	company. Hence not applicable.
	with all necessary infrastructure and	
	facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking	
	water, medical health care, crèche etc.	
	The housing may be in the form of	
	temporary structures to be removed after	
	the completion of the project.	
5	In case of outsourcing of work through	Noted.
	MOD, the project proponent shall ensure	
	the strict compliance enforcement of the	
	above conditions.	
	Biodiversity	
1	The project proponent shall take all	Not applicable as there is no
	precautionary measures during mining	endangered fauna.
	operation for conservation and protection	
	of endangered fauna, if any, spotted in	
	the study. Action plan for conservation	
	of flora and fauna shall be prepared and	
	implemented in consultation with the	
	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.	
	Implementation of Action Plan as per P Activities	ublic Hearing and CSR
1	Implementation of Action Plan on the issues raised in Public Hearing shall be ensured. The Project Proponent shall complete all the tasks as per the action plan submitted with budgetary provisions during the Public Hearing. Land oustees should be compensated as per the norms laid out R&R Policy of the Company or the National R&R Policy or R&R Policy of the State Government, whichever is higher.	There were only two major demand raised during public hearing. One is construction of approach road to village and another is providing electricity to the village temple. Both have been done. There is no further acquisition of land in the EC (expansion).
2	The Board of every company, shall ensure that the company spends, in every financial year, at least two per cent of the average net profits of the company made during three immediately preceding financial years, in pursuance of its Corporate Social Responsibility Policy under section 135 of the Companies Act, 2013, for the socio economic development of the neighbourhood Habitats which could be planned in consultation with the panchayat of the local administration, and executed by the Project proponent more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers. A report, in consonance with the format prescribed in Annexure of the companies (Corporate Social Responsibility Policy) Rules, 2014, shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.	The company as a whole spends not less than 2% of the average net profit of the company on CSR works. The expenditure details of the mine is submitted six monthly to the said authorities. Although the mine runs in loss, still CSR fund is allotted from Company HQ.
3	The 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	Noted.

	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".	
4	The Project Proponent shall make	Not applicable as no land
-	necessary alternative arrangements,	acquisition has been done in EC
	where required, in consultation with the	expansion.
	State Government to provide alternate	enpansion.
	areas for livestock grazing, if any. In this	
	context, project proponent should	
	implement the directions of the Hon'ble	
	Supreme Court with regard to acquiring	
	grazing land. The spare trees on such	
	grazing ground against feeling and	
	plantation of such trees should be	
	promoted.	
	Corporate Environment Responsibility	
1	The company should have a well laid	The project Report and Mine
1	down Environment Policy approved by	Closure Report of every mine is
	the Board of Directors.	approved by the Board of
	the board of Directors.	Directors.
2	The Environment Policy should	In case of any
_	prescribe for standard operating	deviation/violation, compliance
	process/procedures to bring into focus	of which is beyond the reach of
	any infringements/deviation/violation of	the mine official, it is conveyed
	the environmental or forest	for necessary help to higher
	norms/conditions.	official even up to the level of
	norms, conditions.	the owner of the company if
		needed.
3	The hierarchical system or	The hierarchical system is
0	Administrative order of the company to	displayed on company website.
	deal with environmental issues and for	displayed on company website.
	ensuring compliance with the	
	environmental clearance conditions	
	should be displayed on website of the	
	company.	
4	To have proper checks and balances, the	As in sr. no. (ii) above. The
•	company should have a well laid down	owner of the company takes the
	system of reporting of non-	matter to the Board of Directors
	compliances/violations of environmental	if needed.
	norms to the Boards of Directors of the	
	Company and/or shareholders or	
	stakeholders at large.	
	startholutis at large.	

5	A separate environment 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 Organization.	At mine level SAM, Manager, Civil engineer and surveyor. At area level, Area General Manager assisted by Area Nodal Officer (Env), Staff Officer (Civil), Area Survey Officer and Area Planning officer. At Corporate level, the dept. is headed by General Manager (Env) who is assisted by a group of qualified engineers of different disciplines. The GM (Env)
6	The funds earmarked for environmental	directly reports to the head of the organisation. The fund earmarked for
U	protection measures should be kept in	Environment is kept in
	separate account and should not be	environment head. It is never
	diverted for other purposes. Year wise	diverted. Expenditure on
	expenditure should be reported to the	environmental head is reflected
	Ministry and its Regional Office.	in six monthly report.
	Statutory Obligations	In six monuny report.
1	Environment clearances is granted	Noted.
1	subject to final outcome of Hon'ble Supreme Court of India, Hon'ble NGT	
	and any other court of law, if any, as	
	may be applicable to this project.	
2	This Environmental Clearance is	Not applicable.
	subjected to obtaining requisite NBWL	
	clearance from the standing committee	
	of National Board for Wildlife, if any, as	
	applicable to the project.	
3	The project proponent shall obtain	CTE obtained vide. No. CTE-
	Consent to Establish and Consent to	46786 dated 14.03.2017 and
	Operate from the concerned State	CTO obtained vide no. AW-
	Pollution Control Board prior to	47129 dated 27.06.2017.
	commencement of mining oprations and	
	effectively implement all the conditions	
	stipulated therein.	
4	The Project proponent shall obtain the	Permission from Central Ground
	necessary prior permission of the	Water Authority has been
	competent authorities for drawl of	obtained.
	requisite quantity of water (surface and	
	ground water) for the project.	
5	Project Proponent shall obtain the	Noted.

	necessary prior permission from the	
	Central Ground Water Authority	
	(CGWA) in case of intersecting the	
	Ground water table. The intersecting	
	ground water table can only be	
	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.	
	Monitoring of Ambient Air & Water Qu	ality and Reporting
1	Monitoring of Ambient Air Quality to be	Monitoring of ambient air and
1	carried out based on the Notification	water quality is done by
	2009, as amended from time to time by	CMPDIL which is having NABL
	the Central Pollution Control Board. The	accredited lab. The monitoring
		_
	critical parameter s as per the	data is uploaded on the company
	Notification such as PM10, PM2.5, NOx	website. It is also made available
	and SOx etc. in the ambient air within	to the field office of the mine for
	the impact zone, peak particle velocity at	public domain.
	300m distance or within the nearest	
	habitation, whichever is closer shall be	
	monitored periodically. Further, quality	
	of discharged water shall also be	
	monitored [(TDS, DO, PH and Total	
	Suspended solids (TSS)]. The monitored	
	data shall be uploaded on the website of	
	the company as well as displayed on a	
	display board at the project site at a	
	suitable location near the main gate of	
	the company in public domain. The	
	circular No. J-20012/1/2006-IA.II (M)	
	dated 27.05.2009 issued by Ministry of	
	Environment, Forest and Climate	
	Change shall also be referred in this	
	regard for its compliance.	
2	The proponent shall install online	The procurement of online
-	Ambient Air Quality Monitoring System	ambient air quality monitoring
	and there should be system for display of	system is beyond the preview of
	• • • •	mine and area. The analysis
	digital AAQ data within 03 months at	•
	least at three locations as per wind	report of air and water which is
	direction. Online provisions of pH and	monitored fortnightly by

	turbidity meters at discharge points of	CMPDIL, show that all the
	STP and ETP and also at water storage	parameters are within threshold
	ponds in the mining area may be made.	limit.
	Project proponent should display the	
	result digitally in front of the main gate	
	of the mine site.	
3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Regular monitoring of ground water level and its quality is done by CMPDIL in the manner as prescribed. The data so collected is sent yearly to the Ministry and its Regional Office, CGWA and its Regional Office and to Central Ground Water Board.
4	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in and around the village, should be disturbed. The water table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the project proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.	Pench River flows at a distance of approx. 200m from the mine. Its flow is not disturbed by mining operation. Regular monitoring (four times in a year) of dug well located in the village is done by CMPDIL. As such there is no adverse impact of mining on the water table.
5	Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record for monitoring data should be maintained and submitted to Ministry of	Noted. There is no discharge of water from the mine to the river.

	Change and its Regional Office, Central	
	Ground Water Authority, Regional	
	Director, Central Ground Water Board,	
	State Pollution Control Board and	
	Central Pollution Control Board.	
6	The project proponent shall submit six	The report is regularly submitted
	monthly reports on the status of the	in the form of six-monthly report
	implementation of the stipulated	
	environmental safeguards to the Ministry	
	of Environment, Forest and Climate	
	Change, its Regional Office, Central	
	Pollution Control Board and State	
	Pollution Control Board.	
7	The Regional Office of this Ministry	Noted. Full co-operation is
	shall monitor compliance of the	extended to the officers of the
	stipulated conditions. The project	Regional Office of the ministry.
	authorities should extend full	
	cooperation to the officer (s) of the	
	Regional Office by furnishing the	
	requisite data/information/monitoring	
	reports.	
8	The activities pertaining to development	Noted.
	of green belt/horticulture shall be	
	reported to concerned Regional Office of	
	MoEF&CC on six monthly basis from	
	the date pf commencement of mining	
	operations.	
	Miscellaneous	
1	For half yearly monitoring reports, the	Complied.
	data should be monitored for the period	
	April to September and October to	
	March of the financial years and	
	submitted to the concerned authorities	
	within 2 months of the completion of	
	periodicity of monitoring. Similarly, the	
	annual reports for the financial year	
	should reach the office of the concerned	
	authority on or before 1 <sup>st</sup> June of	
	following year.	
2	Efforts should be made to reduce energy	Capacitors have been installed to
	consumption by conservation, efficiency	improve power factor. Power
	improvements and use of renewable	factor is always in the range of
	energy.	0.92 to 0.95. Feasibility of
		installing solar power is being

		explored.
3	The project authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start land development	It is a case of EC expansion. No fresh land acquisition is involved.
1	work.	Compliad
4	A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom suggestion/representation has been received while processing proposal.	Complied.
5	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar office for 30 days.	Pertain to MPPCB, Regional Office.
6	A copy of the EC letter shall be shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industry Sector and Collector's Office /Tehsildar office for 30 days.	Not in the preview of the Project proponent.
7	The EC letter shall be uploaded on the company's website. The compliances status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameter (air, water, noise & soil) and critical pollutant such as PM10, PM2.5, SO2 and NOx (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	The EC and compliance status has been uploaded on the company website. The monitoring data also is uploaded on the company website.
8	The project authorities should advertise at least two local newspapers widely circulated, one of which shall be in the vernacular language of the locality	Published in Divya Express on 26.02.2017, and In Dainik Bhskar, Chhindwara on 26.02.2017.

	concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with the State Pollution Control Board and also at the website of the Ministry of Environment, Forest and Climate Change at	
	www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.	
9	The Environmental Statement for each financial year ending 31 March in Form- V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.	Environment Statement in Form- V is uploaded on company website and also on the website of MPPCB.