

SIX MONTHLY COMPLIANCE REPORT OF CONDITIONS STIPULATED IN ENVIRONMENTAL CLEARANCE

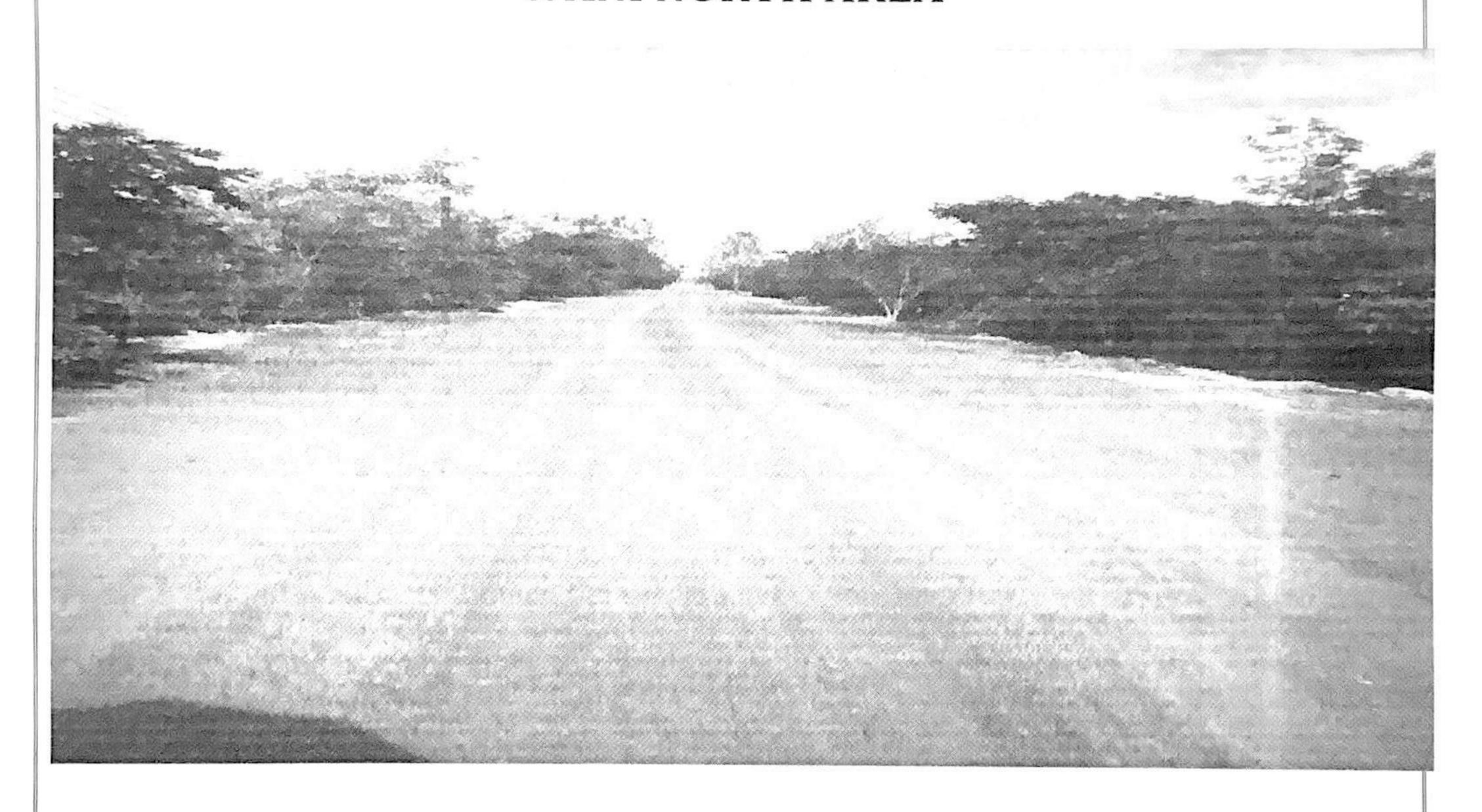


(APRIL'2022- SEPTEMBER' 2022)

GHONSA OPEN CAST COAL MINE

(Production Capacity 0.60 MTPA) (EC Letter No.:J-11015/165/2009-IA.II(M) dated 8th June,2017)

WANI NORTH AREA



WESTERN COALFIELDS LIMITED

(A Mini Ratna-Cat-I. Govt. of India Undertaking, Subsidiary of Coal India Ltd.)

Office of the Sub Area Manager, Ghonsa Sub Area, Post-Rasa, Tahsil –Wani, Distt.-Yavatmal, Maharashtra-445 304

SIX MONTHLY COMPLIANCE STATUS OF COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS (For the period April'2022 to September'2022)

Name of the Project: Expansion of Ghonsa OCP (0.60 MTPA)

EC Letter No.: MoEF & CC vide EC Letter No.: J-11015/165/2009-IA.II(M) dated 08th June, 2017

Amended letter no. J/11015/165/2009-IA.II(M) Pt. date 10/01/2018

SI. No.	Conditions	Compliance Status
	A. Specific Conditions	
i.	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	Noted, The Maximum product on from Ghonsa OCM will not be exceed the limit of 0.60 MTPA as prescribed in the EC.
ii.	The validity of the EC is for the life of the Mine or as specified in the EIA Notification, 2006, whichever is earlier.	Noted.
iii.	The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the State Pollution Control for the Ghonsa OCP of 0.60 MTPA in the mine lease are of 278.683 ha in District Yavatmal (Maharashtra).	Format1.0/CAC/UAN No.MPCBCONSENT-0000107029/CR/2203000019 dated 01.03.2022. Valid upto 31.03.2023
iv.	Transportation of coal to be carried out through rail network or the covered trucks. Mitigative measures to be undertaken to control dust and other fugitive emissions all along the roads by providing water sprinklers.	be undertaken to control dust and other fugitive emissions all along the roads by providing water
ν.	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	Continuous monitoring of occupational safety and other health hazards and the corrective actions will be ensured and complied.
vi.	Controlled blasting should be adopted to control ground vibration and fly rocks.	Controlled blasting is being done in day time only and the mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders are implemented as per the permission given by DGMS. Design of holes and charging of holes are being done as per DGMS permission.
	A progressive afforestation plan shall be implemented covering an area of 134.36 Ha at the end of mining, which includes reclaimed External OB dump area 29.35 ha, Internal OB dump area (80.0 ha) and Green belt (20 Ha) and in township located outside the lease by planting native species	Plantation Details: In 2010-11, 1500 nos. of plants have been planted in 0.60 Ha Area on embankment portion. In 2012-13, 8750 nos. of plants have been planted in 3.50 Ha Area on OB Dump. The plantation has been carried out through

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.

Forest Development Corporation of Maharashtra and the density of plantation is always maintained at 2500 plants per ha.

A progressive afforestation plan will be implemented at the end of mining.

viii. An estimated total 29.12 Mm³ of OB will be gererated during the entire life of the mine. Out of which 3.27 Mm³ of OB will be durnped in one external OB dumps an earmarked area covering 29.35 Ha of land. 25.85 Mm³ of will be one internal OB dump covering an area of 88.28 ha. The maximum height of internal OB dump will not exceed 30 m above ground level. Maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes selfsustaining and compliance status shall be submitted to Regional Office on yearly basis.

Aforesaid overburden will dumped on earmarked area only. The maximum height of internal OB dump will not exceed 30 m above ground level. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till the vegetation becomes self-sustaining and compliance status shall be submitted to MoEF and its Regional Office on yearly basis.

ix. Of the total quarry area of 135.12 Ha, the backfilled quarry area of 80 ha shall be reclaimed with plantation and a void of 46.84 ha with maximum depth of 75 m shall be converted into a water body in conformity with the post mining land-use plan, which remains an integral part of the approved mining plan and the EIA/EMP submitted to this Ministry.

Of the total quarry area of 135.12 Ha, the backfilled quarry area of 80 ha shall be reclaimed with plantation and a void of 46.84 ha with maximum depth of 75 m shall be converted into a water body in conformity with the post mining land-use plan, which remains an integral part of the approved mining plan and the EIA/EMP submitted to MoEF&CC.

B. General Conditions

a) Mining

i. No change in mining technology and scope of wo king shall be made without prior approval of the Ministry of Environment, Forest and Climate Change. No change in the calendar plan including excavation, quantum of coal and waste should be made.

Noted.

No change in mining technology and scope of working will be made without prior approval of MoEF & CC.

No change in the calendar plan including excavation, quantum of coal and waste should be made.

ii. Mining shall be carried out as per the approved mining plan, and also abiding by the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS). A approved

Mining will be carried out as per the approved mining plan, and also abiding by the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS). A approved progressive Mine Closure Plan will

	progressive Mine Closure Plan shall strictly be complied with and submitted.	strictly be complied with.		
•	b) Land Reclamation			
i.	Digital processing of the entire lease area 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	Data carried out by CMPDIL, Ranchi and report is regularly submitted to Regional Office, MoEF & CC Nagpur along with Six Monthly Compliance Report.		
	conformity with the post mining land-use plan, which remains an integral part of the approved mining plan and the EIA/EMP submitted to this Ministry.	mining plan and the EIA/EMP submitted to MoEF & CC.		
' iii.	stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The overburden should be vegetated with suitable native species to prevent erosion and surface run off. 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-	excavated area will be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and Management of rehabilitated areas will continue until the vegetation becomes self-sustaining. Compliance status will be submitted to Regional Office, MoEF & CC		
	Greenbelt shall be developed all along the mine lease area in a phased manner. The width of the green belt along forest area should not be less than 7.5m and the total area covered by 3 tier green belt shall not be less than 100 ha. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.			
	(c) Emissions, Effluents and Waste Disposal			
	carried out by covered trucks only. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high	Transportation of coal by road will be carried out by tarpaulin covered trucks only. Regular water sprinkling will be carried out along haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources will be controlled regularly. It will be ensured that the		

	road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board in this regard.	
ii.	•	Vehicular emissions will be kept under control and regularly monitored. Project will obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres.
iii.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM ₁₀ , PM ₂₅ , SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.	and buffer zone for PM ₁₀ , PM _{2.5} SO ₂ and NO _x monitoring: 1. Ghonsa village 2. Kumbharkhani Guest house/colony 3. SAM Office/ Canteen 4. Project Manager Office, Ghonsa Monitoring of heavy metals such as As, Pb, Ni, Cr & Cd is carried out once in six months.
iv.	Crusher/feeder and breaker material transfer points should invariably be provided with dust suppression system. Belt-conveyors should be fully covered to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors	ovtractore
	major channels around the site. Appropriate embankment should be provided along the side of the river/nallah flowing near or adjacent to 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.	
	for conservation and augmentation of ground water resources in the area in consultation with Central Ground Water Board.	Rain water harvesting measures have already been taken with due consultation with the concerned village Panchayat through de-silting/deepening of existing pond in the following villages at a total cost of Rs. 12.48 lakhs:- (i) Sakhara Village; (ii) Rasa Village;

(iii) Sukanegaon Village.

In July 2015, deepening of pond at Rasa and Kumbharkhnai village has been done for ground water recharge.

At Kumbharkhani Village Pond:

Deepening size: $(65m \times 40.m \times 1.08m)$

Expenditure: 4.21 Lakh

At. Rasa Village Pond:

Deepening size: a. $(50m \times 50m \times 0.60)$

 $b.(40m \times 20m \times 0.94m)$ $c.(40m \times 15m \times 0.94m)$ Expenditure: 4.47Lakh

The quantum of water will be stored 2700KL at

Rasa & 2800KL Kumbharkhani village.

vii. Catch drains siltation and ponds of appropriate size shall constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after Rainfall details at Ghonsa OCM: monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. To check run off and siltation, retaining wall of adequate dimension to be constructed at the toe of OB dumps and OB benches, as applicable, based on rainfall data.

Catch drains of size 2.50m x 2.00m for a length of 2.00 Km is constructed around the mine. Two sumps of capacity 10.50 Million Gallon & capacity of 0.45 Million Gallon have been provided inside the mine to arrest silt and sediments of soil and OB. Garland drain of length 3.4 Km has been provided. Cleaning and desilting of garland drain is regularly being done.

Year	Total	Date max.	Max
	Rainfall	Rainfall	Rainfall .
	(mm)	(mm)	
2013	1243	12/07/2013	96
2014	644.5	07/09/2014	108
2015	596	16/09/2015	172
2016	786	08/07/2016	64
2017	484	12/09/2017	64
2018	911	09/07/2018	113
2019	828	29/07/2019	071
2020	1158	22/07/2020	114
2021	1168	10/07/2021	98
2022	2110	11/07/2022	137

Toe wall of size 82m x 1.8m x 0.6m has been constructed for arresting the silt against embankment to guide catchment water to settle.

viii. Industrial waste water (CHP, workshop and waste water from the mine) should 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. Oil and grease trap should be installed before discharge of workshop effluents.

Agreed.

i	(d) Noise & Vibration Control	
•	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs.	Proper maintenance of HEMM will be done and plantation has been done to control noise levels below 85 dBA. Workers engaged in blasting and drilling operations will be provided with ear plugs/muffs.
ii.	practiced with use of delay detonators to	Controlled blasting is being done with delay detonator in day time only. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders are implemented as per the permission given by DGMS. Design of holes and charging of holes are being done as per DGMS permission.
	(e) Occupational Health & Safety	
i.	Besides carrying out regular periodic health check-up of their workers 20% of	Periodical medical examinations of all workers
	the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency /institution within the District/State and the results reported to this Ministry and to DGMS.	If any occupational diseases and hearing impairment found, action is taken as per quidelines and complied. Medical examination of
ii.	wear protective respiratory devices and they should also be provided with adequate	Training and information on safety and health
iii.	In case of outsourcing of work through MDO, the project proponent shall ensure the strict compliance enforcement of the above conditions.	Strict compliance of enforcement of the above conditions will be ensured.
	(f) Biodiversity	
i.		of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna will be prepared and implemented in consultation with the State Forest and Wildlife
	ii.	i. Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with ear plugs/muffs. ii. Controlled blasting techniques should be practiced with use of delay detonators to mitigate ground vibrations and fly rocks. (c) Occupational Health & Safety i. Besides carrying out regular periodic health check-up of their workers, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency /institution within the District/State and the results reported to this Ministry and to DGMS. ii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Supervisory staff shall be held responsible for ensuring compulsory wearing of dust mask. iii. In case of outsourcing of work through MDO, the project proponent shall ensure the strict compliance enforcement of the above conditions. (f) Biodiversity i. The project proponent shall take all precautionary measures during mining operation for conservation and protection of end angered fauna, if any, spotted in the study area. 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

	(i) Statutory Obligations	
i.	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law, if any, as may be applicable to this project.	
ii.	This Environmental Clearance is subject to obtaining requisite NBWL Clearance from the Standing Committee of National Board for Wildlife, if any, as applicable for this Mining project.	
iii.	The project proponent shall obtain Consent to Establish and Consent to Operate from the concerned State Pollution Control Board prior to increase in capacity of washery and effectively implement all the conditions stipulated therein. Consent to Operate has been granted by MPCB vide Consent Order No. RED/L.S.I (R35)No:-Format1.0/CAC/UAN No.MPCBCONSENT-0000107029/CR/2203000019 dated 01.03.2022. Valid upto 31.03.2023	Format1.0/CAC/UAN No.MPCBCONSENT-0000107029/CR/2203000019 dated 01.03.2022. Valid upto 31.03.2023
iv.	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.	
v.	Project Proponent shall obtain the necessary prior permission from the Central Ground Water Authority (CGWA) for drawl of water (surface and ground water).	
,	(j) Monitoring of Project	
	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.	pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) and for quality in May. Report on Monitoring Ground Water Level and Quality Analysis is being sent regularly to MoEF & CC Delhi, RO MoEF & CC Nagpur, CGWA Delhi, Regional Director CGWB Nagpur and RO MPCB Chandrapur
ii.	The project proponent shall submit six monthly reports on the status of the	Six monthly compliance reports are being sent regularly to Regional Office, MoEF&CC, Nagpur

	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.	
iii.	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.	
iv.	concerned Regional Office of MoEF&CC on six monthly basis from the date of commencement of mining operations.	
ν.	For half yearly monitoring reports, the data should be monitored for the period of 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.	
	(k) Miscellaneous	
i.	A copy of clearance letter will be marked to concerned Panchayat /local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	A copy of EC Letter has been given to Gram Panchayat Ghonsa village on 10 th June, 2017.
ii.	An electronic copy of the EC letter shall be marked to the concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's Office/Tehsildar Office for information in public domain within 30 days.	emailed to Maharashtra Pollution Control Board. Regional Officer Chandapur, Collector Yavatmal.
iii.	The EC letter shall be uploaded on the company's website. The compliance 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 public domain. The monitoring data of environmental quality parameter (air, water, noise and soil) and critical pollutant such as PM10, PM25, SO2 and NO (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.	on WCL's website (www.westerncoal.gov.in)

,

iv.	least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site 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.	1. तरुण भारत, आपलं यवतमाळ dated 15 th June, 2017 on Page no. 13, Marathi Daily news paper 2. The Hitavada dated 15 th June, 2017 on Page no. 3. English Daily news paper
V.	The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP 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.	Environmental Statement-Form V for year 2021-22 has been submitted on online portal of MPCB.
5	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the EAC. The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent.	
6	The project 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.	
7.	The PP shall set up an Environment Audit cell with responsibility and accountability to ensure implementation of all the EC Conditions.	responsibility & accountability to ensure
8.	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 EC and attract action under the provisions of Environment (Protection) Act, 1986.	
	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 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. The PP 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 occupational and other diseases due to the mining operations.	
10.	Any appeal against this EC 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.	
11	This EC supersedes the earlier EC granted vide letter No.J-11015/165/2009-IA.II (M) dated 8 th December, 2014 for expansion in production capacity from 0.45 MTPA to 0.60 MTPA in ML area of 128.79 ha.	Noted.

Survey Officer Ghonsa OC Mine

Nodal Officer (Env.)
Ghonsa Sub Area

Mine Manager Ghonsa OC Mine

Sub Area Manager Ghonsa Sub Area