

Date:14.05.2013

Compliance of Conditions
CHINCHOLI OCM(Project)

A) Specific Conditions

Sr.N	Conditions	Compliance
i)	The proponent shall abide by all the recommendation and commitment made in the EIA/Emp Report	Noted and agreed
ii)	The detail of total Reserve Present in the area should be Provided	Yes, agreed.
iii)	Subai nala should be protected and strengthened the embankment. An area of 100m should be left against both side of nala	Noted and agreed
iv)	There should be no external OB dump at the end of mining Ob should be backfilled in . The existing void in post mining stage . grass should be planted on temporary OB dump . The temporary .OB dump should be rehandled and and backfilled upto ground level .The land Should be used as Agriculture Land.	Noted and agreed
v)	A check list should be provided for record with regard to void depth , OB management , latitude and longitude etc.	Noted and agreed
vi)	The Coal Transportation in 20 T truck by Road up to 30 Km. Distance at Ballarpur Railway Siding .The trucks should be Properly covered	Noted and agreed
vii)	The embankment constucted along the river Boundary shall be of Suitable dimentions and critical patches shall 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.	Noted. Shall be complied during operation of the project along with the provisions of permission to be obtained from DGMS.
viii)	There shall be no overflow of OB into the river and into the Agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.	Noted and agreed
ix)	OB dumps shall be stacked at two earmarked external OB dump site (S) only. The ultimate slope of the Dump shall not exceed 28 degree. Monitoring and management of existing reclaimed dumpsites areas shall be continue	Noted and agreed

	until the vegetation becomes self-sustaining. Compliance status shall be submitted to the ministry of Environment & Forests and its Regional office located at Bhopal on yearly basis	
X	<p>Catch drain and situation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted and maintained properly.</p> <p>Garland drains (size gradient and length) and sump capacity should be designed keeping 50 % safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention periods to allow proper settling of site materials.</p>	Noted and agreed
XI	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on rainfall data.	<p>Adequate protective measures shall be taken at the toe of the dump for checking run-off and siltation through construction of garland drains around the periphery of dumps. These drains shall be cleaned and desilted before onset of every monsoon. In addition once the dumps get inactive, biological reclamation shall also be carried which will further arrest flow of silt and sedimentation from OB dumps. Further retaining wall (Boulder Masonry) will be built to prevent silt flowing into water courses or agricultural field.</p>
Xii	Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters, water sprinkling system, haulage roads,	Appropriate dust control measures shall be installed at CHP including the crusher house with mist spray

	Transfer points,etc	system to check fugitive emission. Similarly along the conveyor and also at all transfer points appropriate water spraying system shall be installed.
Xiii	Drills shall be wet wet operated	Noted and agreed
Xiv	The project authorities shall under take regular repairing and tarring of roads used for mineral transportation.A3-tier green belt comprising of a mixof native species shall be developed all along the major approach roads.	Noted and agreed
Xv	Controlled blasting shall be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	Noted and agreed
Xvi	A Progressive afforestation plan shall be implemented covering an area of 137 ha at the end mining. Which includes reclaimed external OB dump 34.50 ha, backfilled area 25ha. Undisturbed area 35ha.embankment area 22.50ha and Green belt 20 ha and in township located outside the lease by planting the native species in consultation with the local DFO/Agriculture department. The density of the trees should be around 2000 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.	Noted and agreed
Xvii	An estimated 16.53Mm ³ of OB will be generated during the entire life of the mine. Out of which 10 Mm ³ of OB will be dumped in two external OB dump in an earmarked area covering 34.50 ha of land 5.76 Mm ³ of OB will be dumped in embankment covering an area of 55ha. the maximum height of external OB dump for hard OB will not exceed 90m and that for soft Ob shall not exceed 60m. the maximum slope of the dump shall not exceed 28degree Monitoring and management of reclaimed dump sites shall continue till	Noted and agreed

	the vegetation becomes self –sustaining and compliance status shall be submitted to MOEF and its Regional Office on yearly basis	
Xviii	The proponent should prepare restoration and reclamation plan for the degraded area. The land be used in a productive and sustainable manner	Yes, agreed.
Xix	compensatory ecological & restoration of waste land, other degraded land and OB dumps in lieu of breaking open the land be carried out	Yes, agreed.
Xx	The mining should be phased out in sustainable manner. No extra over burden dumps are permitted	Yes, agreed.
Xxi	No ground water shall be used for mining operations	Yes, agreed.
xxii	Of the total quarry area of 385.68 ha ,the backfilled quarry area of 150 ha shall be reclaimed with plantation and avoid of 185.68 ha at adepth of 150 m which is proposed to be converted into water body shall be gently sloped and the upper benches shall be terraced and stabilised with plantation or afforestation by planting native plant species in consultation with local DFO or	Yes, agreed.
Xxiii	No ground water shall be used for mining operations.	Yes, agreed.
xxvi	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation .the monitoring should be carried out four times in a year – pre-monsoon (April-may) monsoon (August) post monsoon (November) and winter (January) seasons and for quality in may. Data thus Collected Shall be Submitted to the Ministry of Environment & Forest and tot eh central pollution control Board Quarterly within one month of monitoring	At present ground water level and quality as per conditions stipulated in EC is being done in all operating mines through CMPDIL. The same shall also be carried out in this project once it is started.
Xxv	The company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby villages in case the village wells go dry due to dewatering of mine	Yes, agreed.
Xxvi	Sewage treatment Plant should be installed for the colony. ETP should also be Provided for workshop and	Yes, agreed.

	CHP wastewater.	
xxvii	Besides carrying out regular periodic health check up of their workers ,10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment ,if any, through an specialised agency or institution within the district or state and the result reported to this ministry and to DGMS	Yes, agreed.
xxviii	Land oustees shall be compensated as per the norms laid out R &R policy of CIL or the national R & R policy of the state government whichever is higher	Noted and is being done regularly
Xxix	For monitoring land use pattern and for post mining land use, a time series of landuse maps, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent tn the time series),and the report submitted to MOEF and its regional office at bhopal.	Yes, agreed.
Xxx	A detailed final mine closure plan along with details of corpus fund shall be submitted to the ministry of environment & forest within 6 months of grant of environmental clearance.	It is under process.
Xxxi	The project authorities shall in consultation with the panchayats of the local villages and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.	Yes, agreed.
xxxii	Corporate environment responsibility: a)The company shall have a well laid down environment policy approved by the board of directors b)The environmental policy shall prescribe for standard operating/procedures to bring focus any infringements /deviation / violation of the environmental or forest norms/conditions. c)the hierarchical system or administrative order of the company to deal with environmental issues and for	Yes, agreed.

	<p>ensuring compliance with the environmental clearance conditions shall be furnished</p> <p>d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances /violations of environmental norms to the board of directors of the company and/or shareholders at large.</p>	
B	General Condition.	
I	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Yes, agreed.
Ii	No change in the calendar plan of production for quantum of mineral coal, and waste should be made.	Yes, agreed.
Iii	<p>Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂, and NOX monitoring location of the stations should be decided based on the metrological data, topographical features and environmentally and ecologically sensitive targets in consultation with the state Pollution Control Board. In addition, CO and CH₄ shall also be monitored within the underground coal mine and records thereof maintained and uploaded on the company website and also submitted to MOEF, RO, Bhopal</p>	Monitoring will start after the commencement of the project.
iv	Fugitive dust emissions (PM ₁₀ and PM _{2.5}) from all the sources shall be controlled regularly monitored and data recorded properly. water spraying arrangement on haul roads, wagon loading, dump truck (loading and unloading) point shall be provided and properly maintained.	Regular Monitoring will be done by CMPDIL.
V	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ , and NOX) shall be regularly submitted to the ministry including its Regional office at Bhopal and to the state pollution control Board and the Central pollution control Board once in six months.	Yes, agreed.
vi	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers	Yes, agreed.

	engaged in blasting and drilling operations, operation of HEMM etc. shall be provided with ear plugs/ muffs.	
Vii	Industrial waste water (workshop and waste water from the mine) shall be properly collected treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 the May 1993 and 31 St December 1993 or as emended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluent.	Yes, agreed.
Viii	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded	Yes, agreed.
Ix	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the state pollution control Board and data got analysed through a laboratory recognised under EP Rules, 1986	Yes, agreed.
X	Personal working industry are as shall be wear protective respiratory devices and they shall be also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contraction due to exposure to dust and to take corrective measure if needed. And records maintained thereof.	Yes, agreed.
Xi	A Separate environmental management cell with suitable qualified personnel shall be set up under the control of a senior executive who will report directly to the head of the company.	Separate environmental cell established in Area office with qualified personal especially for EMP.
Xii	The funds earmarked for environmental protection measure shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to this Ministry and its Regional Office at Bhopal.	Yes, agreed.
	The Regional office of this Ministry located at Bhopal shall monitor compliance of the stipulated condition. The project authorities shall extend full cooperation to	Yes, agreed.

Xiii	the Officers of the Regional Office by furnishing the requisite data information / monitoring reports.	
Xiv	A copy of the will be marked to concerned panchayat /local NGO if any from whom any suggestion / representation has been received while processing the proposed	No suggestions received.
Xv	State pollution control board should display a copy of the clearance letter at the Regional office, District industry centre and Collectors office / Tahsildar office for 30 days	Does not pertain to the project.
Xvi	The project authorities should advertise at least in two local newspapers widely circulated around the project one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the state pollution control board and may also be seen website of the ministry of Environment & Forest at http:// envfor. Nic. in	The advertisement has been done and the copies are enclosed for ready reference. 1.Lokmat(Marathi) on 31-05-2013 2.The Hitvada(English) on 31-05-2013
5	The ministry of any other competent authority may stipulate any further condition for environmental protection.	Noted and agreed.
6	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986	Noted and agreed.
7	The above condition will be enforced inter-alia, under the provisions of the Water (Prevention and control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public liability insurance Act, 1991 along with their amendments and Rules.the proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination. Contamination of ground water and surface water, and occupational and other diseases due to the mining operations	Noted and agreed.