



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

**SPEED POST**  
क्षेत्रीय कार्यालय, पश्चिम मध्य क्षेत्र  
Regional Office (WCZ)  
Ground Floor, East Wing  
"भू-तल पूर्व विंग"  
"New Secretariate Building"  
न्यू सचिवालय भवन  
Civil Lines, सिविल लाईन्स,  
दूरभाष /Phone: 0712-2531318/19  
नागपुर (महा.) /Nagpur-440001 (Mah.)

अणुडाक /E-mail: [moefregionalofficenagpur@gmail.com](mailto:moefregionalofficenagpur@gmail.com)

Dated: 23.11.2015

No: 3-1/2011(Env)/1294

To,  
Dr. S.K. Shrivastava,  
Scientist 'F',  
Ministry of Environment, Forest and CC,  
Indira Paryavaran Bhawan,  
Aliganj, Jor Bagh,  
New Delhi-110003

देकोलि/महाप्रबंधक(पर्या)/मुख्यालय/नागपुर  
WCL/GM(Env)/HQ/Nagpur  
प्राप्ति/Rec-585 दिनांक/Date 26/12/15

Sub: Gokul OCP (1 MTPA of 767.17 ha) of M/s WCL Ltd., located near village piraya. in Tehsil Umrer,  
Dist. Nagpur, Maharashtra. - regarding.

Ref: Ministry's letter No. J-11015/1001/2007-IA.II (M) dated 07.01.2011.

महोदय,

मंत्रालय के उपरोक्त संदर्भित पत्रांकों के संदर्भ में उक्त परियोजना को पर्यावरणीय दृष्टिकोण से अनुमति देते समय अनुबद्ध शर्तों के अनुपालन एवं अनुवीक्षण प्रतिवेदन (मॉनिटरिंग रिपोर्ट) एतद् द्वारा संलग्न कर प्रेषित है। अनुवीक्षण प्रतिवेदन मंत्रालय की वेबसाइट पर भी अपलोड की जा रही है। उपरोक्त अनुवीक्षण प्रतिवेदन (मॉनिटरिंग रिपोर्ट) सक्षम अधिकारी (अति.अपर प्रधान मुख्य वन संरक्षक, केन्द्रीय) द्वारा अनुमोदित है।

भवदीय,

संलग्न: उपरोक्तानुसार

(डॉ. एस. के. लाल)  
वैज्ञानिक 'बी'

प्रतिलिपि: 1. Deputy Director (Monitoring Cell), Ministry of Environment, Forests and Climate Change,  
Indira Paryavaran Bhawan, Aliganj, Jor Bagh, New Delhi-110003 – for information and n/a.  
✓ 2. General Manager(Min)/Sub Area Manager, Gokul OCP, M/s WCL, P.O.- Khadsangi,  
Tahsil- Chimur, Dist: Chandrapur (MS)- for information.

(डॉ. एस. के. लाल)  
वैज्ञानिक 'बी'

Monitoring covering letter

9-4

**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of Environment, Forest & Climate Change**  
**Regional Office (W) Bhopal**  
**Monitoring Report**

**Part-I**  
**DATA SHEET**

S.No	Particulars	Details																																										
1.	Project type: River- valley/ Mining/ Industry/ Thermal/ Nuclear/Other (specify)	Coal Mining																																										
2.	Name of the project	Gokul OCP (1 MTPA of 767.17 ha) of M/s WCL Ltd., located near village Piraya, in Tehsil Umrer, Dist. Nagpur, Maharashtra.																																										
3.	Clearance letter (s)/OM No. & dated	J-11015/1001/2007-1A.II (M) dated 07.01.2011.																																										
4.	Location: c) District d) State e) Location Latitude/Longitude	Nagpur Maharashtra 20° 39'32" to 20° 41'11" N 79° 16'53" to 79° 18'47" E																																										
5.	Address for correspondence:  a) Address of the Concerned Project Chief Engineer (with Pin Code & telephone/ telex/ fax numbers)  b) Address of Executive Project Engineer/ Manager (with Pin Code/fax numbers)	GM (Min)/ Sub Area Manager, Gokul OCP P.O.- Khadsangi, Tahsil- Chimur, Dist: Chandrapur (MS) Phone: 07170 -230101 Fax :07116 247374  Manager, Gokul Open Cast Mine P.O.-Khadsangi, Tahsil- Chimur, Dist: Chandrapur (MS) Phone: 07170 -230101 Fax :07116 247374																																										
6.	a) Salient features of the project	<table> <tr> <td>i)</td><td>Production Capacity</td><td>1.00 MTPA</td></tr> <tr> <td>ii)</td><td>Capital Investment</td><td>Rs. 79.8255 Crs</td></tr> <tr> <td>iii)</td><td>Total Mine Lease Area</td><td>767.17 ha</td></tr> <tr> <td></td><td>a) Agri (Tenancy) Land</td><td>712.61 ha</td></tr> <tr> <td></td><td>b) Waste Land (Govt. Land)</td><td>42.29 ha</td></tr> <tr> <td></td><td>c) Zudpi Jungle (Forest land)</td><td>11.90 ha</td></tr> <tr> <td></td><td><b>Total</b></td><td><b>767.17 ha</b></td></tr> <tr> <td>iv)</td><td>Land use pattern during Mining</td><td></td></tr> <tr> <td></td><td>Excavation area</td><td>291.21 ha</td></tr> <tr> <td></td><td>External OB dump</td><td>123.90 ha</td></tr> <tr> <td></td><td>Infrastructure</td><td>10.00 ha</td></tr> <tr> <td></td><td>For diversion of roads</td><td>39.00 ha</td></tr> <tr> <td></td><td>Blasting zone/Safety zone</td><td>90.53 ha</td></tr> <tr> <td></td><td>For future extension</td><td>77.92 ha</td></tr> </table>	i)	Production Capacity	1.00 MTPA	ii)	Capital Investment	Rs. 79.8255 Crs	iii)	Total Mine Lease Area	767.17 ha		a) Agri (Tenancy) Land	712.61 ha		b) Waste Land (Govt. Land)	42.29 ha		c) Zudpi Jungle (Forest land)	11.90 ha		<b>Total</b>	<b>767.17 ha</b>	iv)	Land use pattern during Mining			Excavation area	291.21 ha		External OB dump	123.90 ha		Infrastructure	10.00 ha		For diversion of roads	39.00 ha		Blasting zone/Safety zone	90.53 ha		For future extension	77.92 ha
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	For rationalisation of boundary	129.61 ha
	Land for colony	5.00 ha
	<b>Total</b>	<b>767.17 ha</b>
v)	Work Force (Man Power)	186 Nos
vi)	Life	17 Years
vii)	Capital Outlay	Rs. 79.8255 Crs
viii)	Method of mining	Open Cast Mining with Shovel Dumper combination
ix)	Average Thickness of seam proposed to be worked (m)	
	Seam - II	4.0
	Seam - V	2.0
x)	Average gradient of seam	1 in 7.5 to 1 in 12.5
xi)	Quality of Coal UHV (Avg) Grade & kcal/kg (weighted average)	
	Seam - II	G-8, 4620
	Seam - V	G-8, 4510
xii)	Max proposed quarry depth(m)	100.00
xiii)	Initial proposed quarry depth (m)	20.00
xiv)	Net mineable reserves (Mt)	13.74
xv)	Average stripping ratio (m <sup>3</sup> /t)	9.89
xvi)	Water demand	
	a) Mine site requirement	290m <sup>3</sup> /day
	b) Township requirement	440 m <sup>3</sup> /day
xvii)	Mine water discharge on average (at final stage)	4320 m <sup>3</sup> /day
xviii)	Elevation above MSL (m)	
	In western part of the block	260 to 263
	In eastern part of the block	268 to 273
xix)	Power requirement	1.453 MW
xx)	Water balance at site	23.85 MCM

**Socio Economic Measures:**  
*R&R for land oustees*  
740.85 ha land notified u/s. 9 of CBA Act on 22<sup>nd</sup> November, 2010. Gazette published on 27<sup>th</sup> November, 2010. JMR completed.  
Compensation bill against 695.96 ha tenancy land approved by MOC on 02.07.2014 for Rs159 Crs.  
Total 528 agreement executed out of 634.  
547 Employment/MC have been approved by District Collector, Nagpur on 04.09.2014 as per CIL R&R policy 2012.

**Flora & Fauna:** This project is not likely to have any impact on diversity of flora and fauna species within terrestrial and aquatic habitats. The enhancement of forest area will occur due to measures like biological reclamation, afforestation and creation of greenbelt and avenue plantation. The water body created by the

b) Salient features of the Environmental Management Plan

final voids will be beneficial to flora and fauna. However, Survey of existing vegetation around the core and buffer zones were made during the study period observed 10 km range of the Gokul/Nand OCP. The forest vegetation is of mixed deciduous type. It consists of mixture of a number of tall trees, small trees and shrubs. The ground forest area is generally rich after the monsoon as they are mostly in form of annual herbs. The flora consists of deciduous forest. The ground flora which comprises of annual or biennials have all dried up. The same is the case with the aquatic flora because the ponds and ditches are all dried up. The fields are completely parched or dry.

**Proposed Plantation/Green Belt**

At the end of	Ext. OB Dump	Backfilled Area	Vacant Land	Total
6 <sup>th</sup> Yr.	50000	--	40000	<b>90000</b>
11 <sup>th</sup> Yr.	100000	50000	75000	<b>225000</b>
16 <sup>th</sup> Yr.	82875	212500	100000	<b>394875</b>
Mine life	76875	237500	49575	<b>363950</b>

**Pollution Control Measures**

- |    |   |
|----|---|
| a) | <b>Air/Dust pollution Control Measures:</b><br>Biological reclamation of OB dumps; Plantation along haul road, service road, OB dump, vacant land, township, industrial complex, Green belt around CHP, mobile and fixed water sprinkling on road, CHP, coal stock yard, workshop etc. Maintenance of HEMMs and transport vehicles. |
| b) | <b>Water Pollution Control Measures:</b><br>Sedimentation pond for mine water treatment, workshop ETP for industrial Effluent treatment, Domestic sewage disposal arrangement for the township.   |
| c) | <b>Noise Pollution Control Measures:</b><br>Maintenance of HEMMs & Transport Vehicles. Development of green belt in between industrial complex & residential area, noise, absorbing pads for noise generating machines, ear plugs & helmets to the workers, noise cabins to the HEMM operators.                                     |
| d) | <b>Control of ground water depletion:</b><br>Creation of ponds for storage of mine treated water for recharging water table.  |

7.	Breakup of the project area a) Submergence area: Forest & non-Forest b) Others	Total Mine Lease Area : 767.17 ha Forest Land (Zudpi Jungle) : 11.90 ha Non Forest Land (Agricultural) : 712.61 ha Waste Land (Govt. Land) : 42.29 ha
8.	Breakup of the project affected population with enumeration of those losing	740.85 ha land notified u/s. 9 of CBA Act on 22 <sup>nd</sup>

	houses/dwelling units only agricultural land only, both dwelling units & agricultural land & landless laborers/artisans: a) SC, ST/Adivasi b) Others	November, 2010. Gazette published on 27 <sup>th</sup> November, 2010. JMR completed. Compensation bill against 695.96 ha tenancy land approved by MOC on 02.07.2014 for Rs159 Crs. Total 528 agreement executed out of 634. 547 Employment/MC have been approved by District Collector, Nagpur on 04.09.2014 as per CIL R&R policy 2012.																																		
9.	Financial details:	<table><tr><th colspan="2">Capital Cost:</th></tr><tr><th>Items</th><th>Amount (in Rs lakhs)</th></tr><tr><td>a. Pollution Control:</td><td></td></tr><tr><td>i) Sedimentation pond for treatment of mine waste water &amp; Effluent Treatment</td><td>20.00</td></tr><tr><td>ii) Plant for treatment of workshop effluent.</td><td>3.0</td></tr><tr><td>iii) Baseline environmental data generation</td><td>5.00</td></tr><tr><td>iv) Installation of fixed type sprinklers</td><td>6.00</td></tr><tr><td>v) Digital mapping for land use plan</td><td>10.00</td></tr><tr><td>vi) Plantation during first three years</td><td></td></tr><tr><td><b>Sub Total</b></td><td><b>44.00</b></td></tr><tr><td>b. Scientific Studies:</td><td></td></tr><tr><td>i) Slope stability study</td><td>10.00</td></tr><tr><td>ii) Hydrogeology &amp; other Scientific Studies</td><td>5.00</td></tr><tr><td>iii) Studies for nallah diversion</td><td>5.00</td></tr><tr><td><b>Sub Total</b></td><td><b>20.00</b></td></tr><tr><td><b>Total Capital</b></td><td><b>64.00</b></td></tr><tr><td colspan="2"><b>Revenue Cost :</b> Provision of Rs. 5.50/t (every year) for Plantation, Environmental Monitoring/Auditing, Socio-Economic/Peripheral Development, Misc. Pollution Control Measures, Compliance of statutory obligations like consent to operate fee, water cess payment, authorization etc.</td></tr></table>	Capital Cost:		Items	Amount (in Rs lakhs)	a. Pollution Control:		i) Sedimentation pond for treatment of mine waste water & Effluent Treatment	20.00	ii) Plant for treatment of workshop effluent.	3.0	iii) Baseline environmental data generation	5.00	iv) Installation of fixed type sprinklers	6.00	v) Digital mapping for land use plan	10.00	vi) Plantation during first three years		<b>Sub Total</b>	<b>44.00</b>	b. Scientific Studies:		i) Slope stability study	10.00	ii) Hydrogeology & other Scientific Studies	5.00	iii) Studies for nallah diversion	5.00	<b>Sub Total</b>	<b>20.00</b>	<b>Total Capital</b>	<b>64.00</b>	<b>Revenue Cost :</b> Provision of Rs. 5.50/t (every year) for Plantation, Environmental Monitoring/Auditing, Socio-Economic/Peripheral Development, Misc. Pollution Control Measures, Compliance of statutory obligations like consent to operate fee, water cess payment, authorization etc.	
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10.	<b>Forest land requirement</b>																																			
	a) The status of approval for diversion of forest land for non-forestry use	Proposal for diversion of 11.90 ha forest land has been submitted to forest department and it is forwarded to Nagpur through Mantralaya, Mumbai. Dwellers certificate, Bare minimum Certificate from Collector, NOC from Gram Panchayat have been obtained. The PCF Government of Maharashtra vide No. Desk-17/NC/ID-12242/1263/13-14, Dated 01.11.2013.																																		
	b) The status of clearing felling	Not applicable																																		
	c) The status of Compensatory Afforrstation, if any	---																																		
	d) Comments on the viability & sustainability of CA program in the light of actual field experience so far	---																																		
11.	The status of clearing felling in non-forest areas if any with quantitative information required.	---																																		

12.	Status of construction (Actual &/or planned) a) Date of commencement b) Date of completion	New Project, Project has not yet started. --- ---
13.	Reasons for delay if the project is yet to start	Land acquisition in process, Project has not yet started.
14.	Dates of site visits: a) The dates on which the project was monitored by the Regional Office on previous occasions, if any b) Date of site visits for this monitoring report	--- 05.11.2015
15.	Details of correspondence with project Authorities for obtaining act on plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	New Project, Project has not yet started.
<b>Date Letter from RO</b>		<b>Date Reply from PA</b>
09.03.2011 Status & information called.		18.03.2011 Status & information submitted.
-		25.05.2015 Request for compliance certification.
29.05.2015 Information called for certification.		20.07.2015 six monthly report submitted as on 31.3.15

**PART - II & III**  
**DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO CONDITIONS OF**  
**ENVIRONMENTAL CLEARANCE AND ENVIRONMENTAL MANAGEMENT**  
**O.M. No.: J-11015/1001/2007-IA.II (M) dated 07.01.2011**

S.No.	SPECIFIC CONDITION	COMPLIANCE
i.	No mining shall be undertaken in the 12.27 ha of forest land without prior forestry clearance under the provisions of the FC Act, 1980.	A Proposal for diversion of forest land has been submitted to forest department and stage-I FC, clearance accorded on 30.4.2015. PA assured that no mining will be undertaken in the forest area. <b>Compliance in progress.</b>
ii.	A detailed Area Drainage Study of the core zone Mining shall be undertaken for diversion of the nallah/Canal flowing within the ML and for their realignment to their original course at the mine boundary. Mining shall be carried out as per statuette from the streams/nallahs along the lease boundary. Approval of the Flood and Irrigation Department shall be taken prior to start of mining operations for the diversion and for the construction of the embankment based on peak flow.	It is noted that two nallas are originating in south east side part of the project area these nallas beyond south eastern side of the external dump. A fund provision of ₹ 3.76 Crores has been kept in the Project Report for diversion of nalla. A canal also exists in the north side of the proposed quarry, for which necessary provision (Rs. 20.35 lakhs) for diversion (2.50 km length) has been made in the Project Report. Further a provision (Rs. 5.00 lakhs) for scientific study for diversion of nallas & canal has also been proposed. Diversion will be done through design of Central Design Organization (CDO), Nasik, Govt. of Maharashtra & approval from Maharashtra State Irrigation Department. <b>Compliance in progress.</b>
iii.	No washery shall be established within the ML without prior EC from this Ministry.	<b>Agreed.</b>
iv.	Top soil shall be stacked properly with proper slope at earmarked site(s) and shall not be kept active and shall be used within a year of its generation for reclamation and development of green belt.	PA informed that a temporary top soil dump of 5.0 m height and 1.53 Mm <sup>3</sup> capacity is proposed on the northern side of quarry which will be reclaimed in later years. The total area earmarked for top soil dump is 5.25 ha. At present total 0.472 Mm <sup>3</sup> has been stacked in the active dump. PA has been directed to stack properly the valuable top soil. <b>Compliance in progress.</b>
v.	An estimated 41.75 Mm <sup>3</sup> of OB shall be stacked at the earmarked one external OB dump of 30.75 ha, of a maximum height of 60 m. The balance 94.09 Mm <sup>3</sup> of OB shall be backfilled into the quarry area of 95 ha. The ultimate slope of the dumps shall not exceed 28°. Monitoring and management of reclaimed dumpsites shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the MOEF and its RO at Bhopal on yearly basis.	It is noted that as present 8.75 ha. area has been earmarked for external OB dump and total 25 ha. area is designated for external OB dump against 30.75 ha. area. It is estimated 41.75 Mm <sup>3</sup> of OB will be stacked at the earmarked one external OB dump. The OB will be backfilled into the quarry area of 95 ha. as per plan shown. It is advised to PA that the mine is at initial stage and proper handling must be taken care as per stipulated conditions. <b>Agreed to comply with.</b>
vi.	Catch drains and siltation 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,	PA assured that catch drains of suitable size will be provided around periphery of the OB dump as well as soil dumps to arrest silt and sediment flows from the respective dump sites. In case of OB benches in the quarry, cross drainage will be provided which

	green belt development, etc. The drains shall be regularly desilted and maintained properly.	will carry silt and sediments into the main sump made at the floor of the seam which will accumulate all the silt and act as first stage settling pond. The water will then be pumped out through pumps onto the surface and discharged into surface settling tank/sedimentation pond. <b>Agreed to comply with.</b>
vii.	Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provided adequate retention period to allow proper settling of silt material.	Garland drains are proposed to be provided around the periphery of the excavated area, which will carry surface runoff and the drains will be regularly desilted before onset of monsoon. The mine sump will have sufficient capacity to deal with the peak rainfall. Surface runoff from these garland drains collected into sump which will allow accumulation of silt material and sufficient retention time for settling of silt materials. <b>Agreed to comply with.</b>
viii.	Dimension of retaining wall at the toe of the dumps and OB benches within the mine to check runoff and siltation shall be based on the rainfall data.	PA informed that mine has not yet started. As directed to arrest flow of silts and sediments, garland drains/catch drains will be constructed and maintained. <b>Agreed to comply with.</b>
ix.	Mineral transportation from mine to Umrer Railway Siding by road shall be by use of trucks of a minimum capacity of 20 Tonne. All internal roads and approach shall be black topped. A3-tier Green belt shall be developed on both sides of the roads. Green belt shall be developed at the Railway siding. High efficiency water sprinkling system provided to check fugitive emissions at the transfer points, haulage roads, etc shall be provided for crushing/loading operations for dust control at the CHP.	The railway siding is 36 Km. From the mine and roads for transportation and approach road should be blacktop or made are RCC. PA submitted that project has not yet started. All the stipulated conditions will be implemented after commencement of the project. <b>Agreed to comply with.</b>
x.	High efficiency water sprinkling system provided to check fugitive emissions at the transfer points, haulage road, etc shall be provided for crushing/loading operations for dust control at the CHP.	PA informed that CHP has been proposed in the plan with water sprinkling system to check fugitive emissions. <b>Agreed to comply with.</b>
xi.	Drills shall be wet operated only.	<b>Agreed.</b>
xii.	Controlled blasting shall be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	PA assured that controlled blasting techniques use of delay detonators is practiced during day time to control of ground vibration and to arrest the fly rock, Technique as permitted by DGMS. <b>Agreed to comply with.</b>
xiii.	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon(August),post-monsoon(November)	PA submitted that the regular monitoring of ground water level & quality in bore wells will be done through CMPDIL after commencement of the project. The proposed 4 piezometers place being identified & constructed. As the mine has yet not started, the monitoring will start after commencement of the project. PA has been



	and winter seasons and for quality in May. Data thus collected shall be submitted to the MOEF&CC and to the CPCB quarterly within one month of monitoring.	directed to submit the data and one each report of Mansoon (August) and post Mansoon (November) be submitted in the next report. <b>Agreed to comply with.</b>
xiv.	No ground water (bore well) shall be used for mining operations. Additional water if any shall be from mine pit water or from harvesting of rainwater. Rainwater harvesting structures including check dams for recharge of ground water shall be erected within and around the ML, in case monitoring of groundwater indicated a declining trend.	PA informed that artificial recharge to ground water system at the periphery of the anticipated influence area by local stagnation in low lying areas/drains by providing low height dams/bunds or by injection of mine water discharge. Surface water through tube wells/percolation structures. However no monitoring has been done to assess the condition. <b>Agreed to comply with.</b>
xv.	The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	PA submitted this will be complied after commencement of the project in full swing. PA has been advised to make an survey and provide water facilities to nearby villages under CSR activities. <b>Agreed to comply with.</b>
xvi.	Sewage treatment plant of adequate capacity shall be installed in the colony. ETP shall also be provided for workshop and CHP wastewater. Treated wastewater meeting prescribed norms only shall be permitted to be discharged into the natural water courses.	The STP arrangement is under progress to be provided in the township. The ETP is under tendering stage for wastewater from workshop and CHP be treated in the proposed Effluent Treatment Plant. Clear water coming out from the treatment plant will be taken into the closed water circuit and recycled in workshop & CHP for use. <b>Compliance in progress.</b>
xvii.	The total area that shall be brought under plantation at the time of mine closure shall not be less than 480.94 ha and shall include reclaimed backfilled area (200ha), external OB dump area (123.90ha), 5 ha roads, colony (1ha), infrastructure (3ha), blasting zone (61.83ha) and area for rationalisation (35ha) by planting native species found in the study area during pre-mining phase in consultation with the local DFO/Agriculture Department. The density of trees shall be around 2500 plants per ha.	PA submitted that a plan is proposed in the EMP, for plantation on external OB clumps, backfilled area, along road sides, vacant land and township by planting native species in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha. The Proposed programme for Plantation/Green Belt will be started from year 15-16. At present no progress has been made in this regard. <b>Not complied.</b>
xviii.	A Progressive Mine Closure Plan shall be implemented by reclamation of 251.21 ha of total quarry area of 291.21 ha which is proposed to be backfilled and afforested by planting native plant species in consultation with local DFO/ Agriculture Department. The density of trees shall be around 2500 plants per ha. The balance 40 ha of decoaled void is to be left as water body shall be gently sloped along the upper benches and stabilised with grass and plantation.	The mine has not yet started & backfilling as per approved plan will start after 5 years of operation. A mine closer plan prepared and submitted. <b>Agreed to comply with.</b>
xix.	Besides carrying out regular periodic health check up of their workers. 10% of the workers identified from workforce engaged	It is noted that 186 workers will be employed in the mine and periodical Medical Examinations (PME) are carried out on compulsorily on each

	in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	employee once in five years with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. WCL is having occupational health committee at the corporate (HQ) level as well as at the unit (Area/Project level) for regular health status monitoring of all employees. <b>Agreed to comply with.</b>
xx.	A detailed project specific R&R Plan shall be prepared for Piraya village comprising about 365 PAFs & landlosers & implemented in consultation with the stakeholders and local administration. R&R shall not be inferior to that in the National R&R Policy and shall be completed within the agreed time frame. R&R shall include specific income generation schemes. A Corpus Fund shall be created for maintenance of the R&R colony. Annuities shall be provided for the vulnerable sections of the displaced population. Alternate livelihood schemes shall be implemented for the persons not being absorbed for employment.	PA assured that all the stipulated conditions will be implemented after commencement of the project as per CIL R&R policy 2012. The total four villages are comes under R&R total 628 land losers are considered for compensation out of which 286 employments be given. As the project started the R&R has to be implemented as per stipulation. <b>Agreed to comply with.</b>
xxi.	A detailed CSR Plan shall also be prepared for and in consultation with the local communities. CSR should be for a minimal Rs. 5/TCOal/year or 2.5% of the retain profit shall be implemented which is to be adjusted for depreciation in the value of the rupee over the life of the project. The activities undertaken for the specific villages adopted under CSR shall be displayed on the company website and updated at once a year.	PA submitted that project has not yet started. All the stipulated conditions will be implemented after commencement of the project. The CSR plan and its implementation have to be submitted as the project work has been started at site. <b>Not complied.</b>
xxii.	For mining land use pattern and for post mining land use, a time series of land use maps, land use pattern (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 in the time series), and the report submitted to MOEF & CC and its RO at Bhopal.	PA assured that land use pattern report will be submitted to RO Nagpur after commencement of the project. It is to note that the EC has been accorded in January 2011 and the study has not been carried out in last three years. <b>Not complied.</b>
xxiii.	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest & Climatic Change 5 years in advance of final mine closure for approval.	The detailed progressive mine closure plan has been incorporated in the approved Project Report along with a provision of Rs. 6385.98 lakhs as Corpus Fund (based on WPI in Dec 2014) as per present value for undertaking closure activities. <b>Agreed to comply with.</b>

<b>B. GENERAL CONDITIONS</b>		
<b>S.No</b>	<b>Compliance Condition</b>	<b>Status</b>
i.	No change in mining technology and scope of working should be made without prior approval of the MOEF&CC.	Agreed.
ii.	No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.	Agreed.
iii.	Four AAQ monitoring station should be established in the core zone as well as in the buffer zone for monitoring PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . Locations of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the MPCB Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, in particulates shall be carried out at least once in six months.	It is informed that four monitoring station has been established are as under :- 1. Besur Village 2. Contractor Camp 3. Nand Village 4. Polgaon Monitoring report for quarter ending September 2015 as been submitted. <b>Compliance in progress.</b>
iv.	Data on AAQ (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> and heavy metals such as Hg, As, Ni, Cd, Cr, etc) and other monitoring data shall be regularly submitted to the Ministry including its RO Bhopal and to the MPCB and the CPCB once in six months. Random verification of samples through analysis from independent laboratories recognised under the EP Rules, 1986 shall be furnished as part of the compliance report.	It is informed that four monitoring station has been established are as under :- 1. Besur Village 2. Contractor Camp 2. Nand Village 4. Polgaon Monitoring report for quarter ending September 2015 as been submitted. The detailed six monthly report and data as stipulated is to be submitted by PA. <b>Compliance in progress.</b>
v.	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.	Total 13 HEMM and about 80 dumpers are involved in the activity. PA assured that all protective gears as per statute are provided to workmen & the same will be continued during mining operation in this project also. <b>Compliance in progress.</b>
vi.	Industrial waste water (workshop and waste water from the mine) shall be properly collected and treated so as to conform to the standards including for heavy metals before discharge prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	PA informed that provision of Workshop Effluent Treatment Plant and Sedimentation Pond has been made in the project EMP and the same will be constructed as the project work progresses. <b>Agreed to comply with.</b>
vii.	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting of the mineral shall be covered with tarpaulins and optimally loaded.	PA submitted that only 5 vehicles are used and as per the present practice, the PUC certificates are obtained for all light and heavy vehicles. <b>Compliance in progress.</b>
viii.	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type	PA informed that entire monitoring of mine of WCL is done by CMPDIL having a full-fledged, NABL accredited Environmental Laboratory.

	of pollution monitoring and analysis equipment in consultation with the MPCB and data got analysed through a laboratory recognised under EP Rules, 1986.	The CTE is obtained on 13.04.2015 and CTO has been applied by PA to MPCB on 12.05.2015 and CTO is awaited. <b>Agreed to comply with.</b>
ix.	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if need.	PA submits that the persons exposed to dusty area will be provided with protective gears like dust masks with goggles which is also a statutory requirement. As per statute all personnel working in mines will be given training and retraining for safety aspects. <b>Agreed to comply with.</b>
x.	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.	The Environmental Management cell at corporate level is headed by CE (Civil) and assisted by a team of qualified and trained engineers under the control of Director (Tech.) At Project level; it will be headed by Sub-Area Manager, Murpar Sub Area and will be assisted by NO of the project. <b>Compliance in progress.</b>
xi.	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 RO Bhopal.	It is informed that total Rs. 57 lakhs as capital fund and Rs. 55 lakhs recurring fund has been earmarked for environmental protection measure and will be kept in separate account. <b>Compliance in progress.</b>
xii.	The project authorities shall 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 EC informing that the project has been accorded EC and a copy of the clearance letter is available with the MPCB and may also be seen at the website of the MOEF&CC at <a href="http://envfor.nic.in">http:// envfor.nic.in</a> .	The advertisements published in two newspaper in two Local News Papers 'The Hitvada' (English daily, Nagpur) dated 25.01.2011 'Lokmat' (Marathi daily, Nagpur) dated 26.01.2011. whereas EC accorded on 07.01.2011. <b>Not complied</b>
xiii.	A copy of the EC letter shall be marked to concerned Panchayat/Zila Parishad, Municipal Corporation or Urban Local Body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on the company's website.	<b>Being complied.</b>
xiv.	A copy of the clearance letter shall be displayed on the website of the concerned MPCB. The EC letter shall also be displayed at the RO, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days.	It is informed that the letter has been displayed of the website of MPCB. <b>Complied.</b>
xv.	The EC shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be	PA submitted that the clearance letter had been uploaded on the company's website.

	uploaded by the PA on their website and uploaded at least once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameters (air, water, noise and soil) and critical pollutants such as PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website.	<b>Complied.</b>
xvi.	The PA shall submit six monthly reports on the status of compliance of the stipulated EC conditions (both in hard copy and in e-mail) to the respective RO of the MOEF the respective Zonal offices of CPCB and the SPCB.	PA submitted that project at initial stage but six monthly reports on the status of compliance of the stipulated environmental clearance condition is being submitted. <b>Compliance in progress.</b>
xvii.	The RO of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The PA shall extend full cooperation to the officer(s) of the RO by furnishing requisite data/monitoring reports.	<b>Agreed.</b>
xviii.	The environmental statement for each financial year ending 31 <sup>st</sup> march in Form-V is mandated to be submitted by the PA to the concerned MPCB as prescribed under the E (P) 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 RO of the MOEF by E-mail.	The environmental statement for this financial year 2015-16 is due for submission. <b>Agreed to comply with.</b>
3.	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	<b>Agreed.</b>
4.	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.	<b>Agreed upon.</b>
5.	The above condition will be enforced <i>inter-alia</i> , under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (P) Act, 1986 and the PLI Act, 1991 along with their amendments and Rules. The proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and their disease due to the mining operations.	<b>Agreed.</b>

### SUMMARY NOTE:

1. **Implementation of Conditions:** It is inferred from the above that the implementations of environmental safeguards such as top soil management catch drains and garland drains construction are not up to the mark as per the project progress. The general condition xxi & xxii are not complied fully. It is submitted that the project is at initial stage and most are stipulation are in progress/process of compliance. Compliance is to be taken up peri-pasu of the project development as the mine is in opening stage. The project is not an ongoing mining project.
2. **Status of the project at site:** The project has accorded EC in January 2011 but due to difficulties in stiff resistance from land owners in giving physical possession of land the project could not be commissioned. The project was reviewed and enhance land rate to the owners has been revised. The proposal for forest land has been accorded first stage clearance on 30.04.2015. And the revised land area will be 756.92 ha. In place of earlier sectioned 767.17 ha. At present no major work has been started at the site. The project has applied for CTO only on 12.05.2015 and the approval is awaited.
3. **Review w.r.f to MOEFs letter dated 30.5.2012:** The status of the project site may also be considered for review for any enhancement/expansion proposal. The above mentioned report was prepared after site visit on 05.11.2015 for the proposed expansion under 7(ii) of EIA Notification 2006 from 3 MTPA to 4 MTPA normative within the existing mine lease of 756.92 ha at Tehsil Umrer, District Nagpur, Maharashtra.
4. **Court Cases and show cause/closure notices:** PA submitted that there is no court case or notices on non compliance against the project in the last three years from state authority.
5. **Uploading of compliance on web site:** With regard to uploading of EC and compliance of conditions along with analytical reports on the web site of the company, PA has agreed to upload the same on company's website. However, Ministry may like to take up the matter with PA during presentation of expansion project.

  
Scientist 'B'



"Under Jurisdiction of Nagpur Court Only"



WESTREN COALFIELDS LIMITED  
(A subsidiary of coal India Limited)  
(A Govt. of India Enterprise)

OFFICE OF THE SUB AREA MANAGER  
MURPAR SUB AREA  
P.O.-KHADSANGI, TEHSIL- CHIMUR  
DISTT: CHANDRAPUR-442908

Website: <http://westerncoal.nic.in>.

कार्या. : कोल ईस्टेट, सिव्हील लाईन, नागपूर - 440 001 Redg. Office: Coal Estate, Civil Line, Nagpur - 440 001

Ref. No. :- WCL/MUR/SAM/2016/

585

Date: - 03.03.2016

To,

Addl. Principal Chief Conservator of Forest,  
Ministry of Environment, Forest & Climatic Change,  
Regional office (WCZ),  
Ground Floor, East Wing,  
New Secretariate Building  
Civil Lines, Nagpur - 440001 (M.S.)

Sub:- Gokul OCP (1 MTPA of 767.17 ha) of M/s WCL, located near village Piraya, in Tehsil Umrer, Dist. Nagpur, Maharashtra- regarding.

Ref: Your Letter no. 3-1/2011(ENV)/1294 dated 23(26).11.2015.

Dear Sir,

This has reference to the above mentioned letter for the subject project enclosing herewith the Report on Compliance of EC Conditions (Ref: Ministry's letter No. J-11015/1001/2007-IA.II (M) dated 07.01.2011).

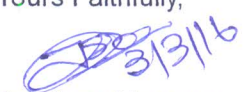
In this regard, the Action Taken Report on the 'Non-Compliance' issues has been prepared and enclosed herewith for your kind perusal.

As such, it is most earnestly solicited that aforesaid Action Taken Report may kindly be considered for acceptance for submission along with our Application for EC for enhancement of capacity for the subject project.

Thanking You.

Encl : As Above

Yours Faithfully,

  
Sub Area Manager  
Murpar Sub Area

Copy to:-

1. GM (Env.), WCL (HQ), Nagpur.
2. AGM, Umrer Area, (for kind information).

## Gokul OC Mine

**Sub:-** Action Taken Report against the Certificate of Compliance issued by Regional Office, MoEF&CC, Nagpur vide letter 3-1/2011 (Env)/1294 dated 23(26)/11/2015.

**Ref:-** EC Letter No. J-11015/1001/2007 – IA.II (M) Dt. 07.01.2011.

### **A. Specific Conditions:**

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
1	No mining shall be undertaken in the 12.27 ha of forest land without prior forestry clearance under the provisions of the FC Act, 1980.	A Proposal for diversion of forest land has been submitted to forest department and stage-I FC, clearance accorded on 30.04.2015. PA assured that no mining will be undertaken in the forest area. <b>Compliance in progress.</b>	Noted for compliance. Obtained stage-I Forestry Clearance for 11.90 ha vide MoEF's File No. 6-MHC-27/2014-BHO dated 30.04.2015 and required amount of Rs.1,72,15,730.00 paid to CAMPAN on 23.10.2015. No mining shall be undertaken in the said land until physical possession is taken.
2	A detailed Area Drainage Study of the core zone Mining shall be undertaken for diversion of the nallah/Canal flowing within the ML and for their realignment to their original course at the mine boundary. Mining shall be carried out as per statuette from the streams/nallahs along the lease boundary. Approval of the Flood and Irrigation Department shall be taken prior to start of mining operations for the diversion and for the construction of the embankment based on peak flow.	It is noted that two nallas are originating in south east side part of the project area. Provision has been made for diversion (3.0 km length) of these nallas beyond south eastern side of the external dump. A fund provision of ₹ 3.76 Crores has been kept in the Project Report for diversion of nalla. A canal also exists in the north side of the proposed quarry, for which necessary provision (Rs. 20.35 lakhs) for diversion (2,50 km length) has been made in the Project Report. Further a provision (Rs. 5.00 lakhs) for scientific study for diversion of nallas & canal has also been proposed. Diversion will be done through	Two small seasonal nallas are originating in south east side (rise side) part of the project area. Provision has been made for diversion (3.0 km length) of these nallas beyond south eastern side of the external dump.  A fund provision of Rs. 3.76 Crores has been kept in the Project Report for diversion of nalla.  A canal also exists in the north side of the proposed quarry, for which necessary provision (Rs. 20.35 lakhs) for diversion (2.50 km length) has been made in the Project Report. Further a provision (Rs. 5.00 lakhs) for scientific study for diversion of nallas & canal has also been proposed.  Diversion will be done as per the design of Central Design Organization (CDO), Nasik, Govt. of Maharashtra & after obtaining due approval from Maharashtra State Irrigation Department.  In the present context, no diversion is immediately required but



S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
		design of Central Design Organization (CDO), Nasik, Govt. of Maharashtra & approval from Maharashtra State Irrigation Department. <b>Compliance in progress.</b>	action initiated for statutory permissions for diversion.
3	No washery shall be established within the ML without prior environmental clearances from this Ministry.	<b>Agreed.</b>	Noted for compliance.
4	Top soil shall be stacked properly with proper slope at earmarked site(s) and shall not be kept active and shall be used within a year of its generation for reclamation and development of green belt.	PA informed that a temporary top soil dump of 5.0m height and 1.53 Mm <sup>3</sup> capacity is proposed on the northern side of quarry which will be reclaimed in later years. The total area earmarked for top soil dump is 5.25 ha. At present total 0.472 Mm <sup>3</sup> has been stacked in the active dump. PA has been directed to stack properly the valuable top soil. <b>Compliance in progress.</b>	At present 10.0 lakh m <sup>3</sup> of top soil has been stacked separately covering an area of 10.0 ha at average height of approx. 10 m and the work is in progress.
5	An estimated 41.75 Mm <sup>3</sup> of OB shall be stacked at the earmarked one external OB dump of 30.75 ha, of a maximum height of 60 m. The balance 94.09 Mm <sup>3</sup> of OB shall be backfilled into the quarry area of 95 ha. The ultimate slope of the dumps shall not exceed 28°. Monitoring and management of reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest & Climatic	It is noted that at present 8.75 ha area has been earmarked for external OB dump and total 25 ha area is designated for external OB dump against 30.75 ha area. It is estimated 41.75 Mm <sup>3</sup> of OB will be stacked at the earmarked one external OB dump. The OB will be backfilled into the quarry area of 95 ha as per plan shown. It is advised to PA that the mine is at initial stage and proper handling must be taken care as per stipulated conditions.	Project has commenced on 25.05.2015. An estimated 90.0 lakhs m <sup>3</sup> of OB is likely to be stacked at the earmarked external OB dump of 25 ha by 2015-16. The enclosed plan shows the earmarked site of external OB dump and the dumps are being constructed as per the specified norms stipulated by DGMS. The mine has just started operations and the reclamation of dump sites will start only after the dumps get in-active, as directed the reclamation will be continued till the same are self-sustaining and report will be submitted accordingly. At present 70 lakh CuM of OB at a height of approx. 35 m

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	Change and its Regional office located at Bhopal on yearly basis.	<b>Agreed to comply with.</b>	covering an area of 20 ha has been made. In 2016-17, the OB excavation target is 130 lakh m <sup>3</sup> .
6	Catch drains and siltation 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.	PA assured that Catch drains of suitable size will be provided around periphery of the OB dump as well as soil dumps to arrest silt and sediment flows from the respective dump sites. In case of OB benches in the quarry, cross drainage will be provided which will carry silt and sediments into the main sump made at the floor which will accumulate all the silt and act as first stage settling pond. The water will then be pumped out through pumps onto the surface and discharged into surface settling tank/ sedimentation pond. <b>Agreed to comply with.</b>	Catch drains of size (approx top width 2m, bottom width 1 m & height 1 m) (under Construction and will be completed before monsoon) provided around periphery of the OB dump as well as soil dumps to arrest silt and sediment flows from the respective dump sites. In case of OB benches in the quarry, cross drainage are provided which carries silt and sediments into the main sump (300m X 200m X 5m) made at the floor which accumulates all the silt and act as first stage settling pond. The water is then pumped out through pumps onto the surface. The surface settling tank is proposed to be commissioned by March 2016. The size of sedimentation tank is 22.5 m X 7.5 m X 2.0 m. The clear water from surface sedimentation tank will then be used for watering the mine area, roads and green belt development. The catch drains mentioned above will be regularly de-silted and maintained properly.
7	Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity shall also provided adequate retention period to allow proper settling of silt material.	Garland drains are proposed to be provided around the periphery of the excavated area, which carries surface runoff and the drains will be regularly desilted before onset of monsoon. The mine sump will have sufficient capacity to deal with the peak rainfall. Surface runoff from these garland drains collected into sump which will allow accumulation of silt material and sufficient retention time for settling of silt materials. <b>Agreed to comply with.</b>	Garland drains of size (approx top width 2m, bottom width 1 m & height 1 m) (under construction and will be completed before monsoon ) provided around the periphery of the excavated area, which carries surface runoff and the drains will be regularly desilted before onset of monsoon. The mine sump is having sufficient capacity to deal with the peak rainfall. Surface runoff from these garland drains collected into sump which will allow accumulation of silt material and sufficient retention time for settling of silt materials.  To arrest the flow of silt and sediments, following actions are planned:-  i) To arrest flow of silt & sediment during monsoon, drain of appropriate size (top width 2m, bottom width 1 m & height 1 m)

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
			<p>will be constructed.</p> <p>ii) Similarly garland drain/catch drain around the quarry of size (top width 2m, bottom width 1 m &amp; height 1 m) is also being constructed.</p> <p>iii) The silt and sediment from OB benches will be guided through cross drainage into the mine sump having sufficient capacity to allow settlement of suspended particles.</p> <p>iv) The drain and sumps are to be de-silted before onset of every monsoon.</p> <p>As explained earlier, the mine has just started in May 2015. The OB dump is at very initial stage of construction.</p>
8	Dimension of retaining wall at the toe of the dumps and OB benches within the mine to check runoff and siltation shall be based on the rainfall data.	<p>PA informed that the mine has not yet started. As directed to arrest flow of silts and sediments, garland drains/catch drains will be constructed and maintained.</p> <p><b>Agreed to comply with.</b></p>	<p>In addition to Catch drains and Garland drains, stone walls (made of boulders) shall be taken up along the toe of the dumps for stabilization. Regarding flow from OB benches it is submitted that the same are continuously moving faces &amp; cross drainages will be provided to guide entire flow into the mine sump only.</p>
9	Mineral transportation from mine to Umrer Railway Siding by road shall be by use of trucks of a minimum capacity of 20 Tonne. All internal roads and approach shall be black topped. A 3-tier Green belt shall be developed on both sides of the roads. Green belt shall be developed at the Railway siding. High efficiency water sprinkling system provided to check fugitive emissions at the transfer points, haulage roads, etc shall be provided for crushing/loading operations for	<p>The railway siding is 36 km. From the mine and roads for transportation and approach road should be blacktop or made of RCC. PA submitted that project has not yet started. All the stipulated conditions will be implemented after commencement of the project.</p> <p><b>Agreed to comply with.</b></p>	<p>Noted for Compliance.</p> <p>Project has commenced its operations on 25.05.2015.</p> <p>All the stipulated conditions will be implemented.</p> <p>Road from coal stock yard of Gokul OCP to Umrer Railway Siding is black topped except 2.5 Km metallic road which is to be completed by 30.06.2016.</p> <p>Existing CHP of Umrer OCP will be used for Gokul OC Project which is having all dust suppression arrangements in place. In addition, 03 Nos. mobile water tankers (02 nos. of 18 KL capacity and 01 no. of 16 KL capacity) are being used. 15 nos. of fixed sprinklers will be commissioned by 30.04.2016.</p> <p>Hard Morrum base of 2.5 Km road length already completed and black topping to be completed by 30.06.2016.</p> <p>Further, the monitoring of Ambient Air Quality at four stations namely Besur village, Contractor camp, Nand village &amp; Polgaon</p>

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	dust control at the CHP.		village as per condition stipulated in EC is being carried out.
10	High efficiency water sprinkling system provided to check fugitive emissions at the transfer points, haulage road, etc shall be provided for crushing/loading operations for dust control at the CHP.	PA informed that CHP has been proposed in the plan with water sprinkling system to check fugitive emissions. <b>Agreed to comply with.</b>	Existing CHP of Umrer OCP will be used which is having the following facilities:- 1. Fixed water sprinklers/Rain guns - 26 Nos. 2. Mobile water tanker - 03 Nos. (18 KL = 02 & 16 KL = 01) 3. Plantation along CHP roads, Railway siding.
11	Drills shall be wet operated only.	<b>Agreed.</b>	Drills are having wet drilling arrangement.
12	Controlled blasting shall be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders shall be implemented.	PA assured that controlled blasting techniques use of delay detonators is practiced during day time to control of ground vibration and to arrest the fly rock. Technique as permitted by DGMS. <b>Agreed to comply with.</b>	The blasting is being carried out as per the permission granted by DGMS. Controlled blasting techniques as required with use of delay detonators shall be practiced during day time to control of ground vibration and to arrest the fly rock. Controlled Blasting Technique as permitted by DGMS will be adapted.
13	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the Ministry of Environment, Forest & Climatic Change and to the Central Pollution Control Board quarterly within one month of monitoring.	PA submitted that the regular monitoring of ground water level & quality in bore wells will be done through CMPDIL after commencement of the project. The proposed 4 piezometers place being identified & constructed. As the mine has yet not started, the monitoring will start after commencement of the project. PA has been directed to submit the data and one each report of Monsoon (August) and post Monsoon (November) be submitted in the next report. <b>Agreed to comply with.</b>	Regular monitoring of ground water level & quality in bore wells has been started by establishing a network of existing wells by CMPDIL, Nagpur.  The construction of Piezometers & its monitoring has been started. The detailed monitoring results are enclosed.
14	No ground water (bore well) shall	PA informed that artificial recharge to	No ground water is being used for mining.

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	be used for mining operations. Additional water if any shall be from mine pit water or from harvesting of rainwater. Rainwater harvesting structures including check dams for recharge of ground water shall be erected within and around the ML, in case monitoring of groundwater indicated a declining trend.	ground water system at the periphery of the anticipated influence area by local stagnation in low lying areas/drains by providing low height dams/bunds or by injection of mine water discharge. Surface water through tube wells/percolation structures. However no monitoring has been done to assess the condition. <b>Agreed to comply with.</b>	Artificial recharge to ground water system at the periphery of the anticipated influence area by local stagnation in low lying areas/drains by providing low height dams/bunds will be made. While reclamation of the mined area, void at the deepest portion of the pit has to be left. This residual pit void would initially serve as access for future expansion and subsequently it could be backfilled. However the present data does not indicate declining trend.
15	The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	PA submitted this will be complied after commencement of the project in full swing. PA has been advised to make a survey and provide water facilities to nearby villages under CSR activities. <b>Agreed to comply with.</b>	Noted for compliance. The project was commenced recently on 25.05.2015, currently no mine water is being discharged outside the mine. This will be compiled when the operations are in full swing. The water shortage in the villages, if any, in the influence area will be supplemented by the mine water after treatment. However, with the ground water monitoring results no adverse impacts have been recorded so far.
16	Sewage treatment plant of adequate capacity shall be installed in the colony. ETP shall also be provided for workshop and CHP wastewater. Treated wastewater meeting prescribed norms only shall be permitted to be discharged into the natural water courses.	The STP arrangement is under progress to be provided in the township. The ETP is under tendering stage for wastewater from workshop and CHP be treated in the proposed Effluent Treatment Plant. Clear water coming out from the treatment plant will be taken into the closed water circuit and recycled in workshop & CHP for use. <b>Compliance in progress.</b>	The domestic sewage disposal arrangement will be provided in the combined township of Umrer Area by 2016-17.  The wastewater from workshop and CHP will be treated in the proposed Effluent Treatment Plant. Clear water coming out from the treatment plant will be taken into the closed water circuit and recycled in workshop & CHP for use. Regular water quality/effluent quality monitoring will be carried out so as to ascertain the likely load of pollutants and thereby suitably modifying the control measures. All parameters of ETP waste discharge will be monitored regularly as per Env. (protection) Amendment Rule, 2000.  The ETP of 200 KLD is likely to be commissioned by 30.06.2016 and the work is under progress. Sedimentation tank of size 22.5 m X 7.5 m X 2.0 m will be completed by 31.03.2016.
17	The total area that shall be brought	PA submitted that a plan is proposed	As proposed in the EMP, plantation will be done on external OB

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN																																																								
	under plantation at the time of mine closure shall not be less than 480.94 ha and shall include reclaimed backfilled area (200 ha), external OB dump area (123.90 ha), 5 ha roads, colony (1 ha), infrastructure (3 ha), blasting zone (61.83 ha) and area for rationalization (35 ha) by planting native species found in the study area during pre-mining phase in consultation with the local DFO/Agriculture Department. The density of trees shall be around 2500 plants per ha.	<p>in the EMP, for plantation on external OB dumps, backfilled area, along road sides, vacant land and township by planting native species in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha. The Proposed programme for Plantation/Green Belt will be started from year 15-16. At present no progress has been made in this regard.</p> <p><b>Not complied.</b></p>	<p>dumps, backfilled area, along road sides, vacant land and township by planting native species in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha.</p> <p>The Proposed programme for Plantation/Green Belt are as follows-</p> <table border="1"> <thead> <tr> <th>Particulars</th><th>Location</th><th>Nos.</th><th>Area in ha.</th></tr> </thead> <tbody> <tr> <td rowspan="4">At the end of 6<sup>th</sup> Yr.</td><td>Ext. OB Dump</td><td>50000</td><td>20.00</td></tr> <tr> <td>Backfilled Area</td><td>---</td><td>---</td></tr> <tr> <td>Vacant Land</td><td>40000</td><td>16.00</td></tr> <tr> <td><i>Sub Total</i></td><td><b>90000</b></td><td><b>36.00</b></td></tr> <tr> <td rowspan="4">At the end of 11<sup>th</sup> Yr.</td><td>Ext. OB Dump</td><td>100000</td><td>40.00</td></tr> <tr> <td>Backfilled Area</td><td>50000</td><td>20.00</td></tr> <tr> <td>Vacant Land</td><td>75000</td><td>30.00</td></tr> <tr> <td><i>Sub Total</i></td><td><b>225000</b></td><td><b>90.00</b></td></tr> <tr> <td rowspan="4">At the end of 16<sup>th</sup> Yr.</td><td>Ext. OB Dump</td><td>82875</td><td>33.15</td></tr> <tr> <td>Backfilled Area</td><td>212500</td><td>85.00</td></tr> <tr> <td>Vacant Land</td><td>100000</td><td>40.00</td></tr> <tr> <td><i>Sub Total</i></td><td><b>394875</b></td><td><b>158.15</b></td></tr> <tr> <td rowspan="4">At the end of Mine life</td><td>Ext. OB Dump</td><td>76875</td><td>30.75</td></tr> <tr> <td>Backfilled Area</td><td>237500</td><td>95.00</td></tr> <tr> <td>Vacant Land</td><td>49575</td><td>19.83</td></tr> <tr> <td><i>Sub Total</i></td><td><b>363950</b></td><td><b>145.58</b></td></tr> </tbody> </table> <p>Plantation program will start from 2016-17 monsoon.</p>	Particulars	Location	Nos.	Area in ha.	At the end of 6 <sup>th</sup> Yr.	Ext. OB Dump	50000	20.00	Backfilled Area	---	---	Vacant Land	40000	16.00	<i>Sub Total</i>	<b>90000</b>	<b>36.00</b>	At the end of 11 <sup>th</sup> Yr.	Ext. OB Dump	100000	40.00	Backfilled Area	50000	20.00	Vacant Land	75000	30.00	<i>Sub Total</i>	<b>225000</b>	<b>90.00</b>	At the end of 16 <sup>th</sup> Yr.	Ext. OB Dump	82875	33.15	Backfilled Area	212500	85.00	Vacant Land	100000	40.00	<i>Sub Total</i>	<b>394875</b>	<b>158.15</b>	At the end of Mine life	Ext. OB Dump	76875	30.75	Backfilled Area	237500	95.00	Vacant Land	49575	19.83	<i>Sub Total</i>	<b>363950</b>	<b>145.58</b>
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18	A Progressive Mine Closure Plan shall be implemented by reclamation of 251.21 ha of total quarry area of 291.21 ha which is proposed to be backfilled and afforested by planting native plant species in consultation with local DFO/ Agriculture Department. The density of trees shall be around 2500 plants per ha. The balance 40 ha of decoaled void is to be left as water body shall be gently sloped along the upper benches and stabilised with grass and plantation.	The mine has not yet started and backfilling as per approved plan will start after 5 years of operation. A mine closure plan prepared and submitted. <b>Agreed to comply with.</b>	The backfilled quarry will be reclaimed with plantation as per EMP in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha. The proposed water body of 40 ha of decoaled void shall be gently sloped and upper benches shall be terraced and stabilized with plantation. The mine has started operations on 25.05.2015 and backfilling as per approved plan will start after 4 years of operation.
19	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 agency such as NIOH, Ahmadabad within a period of one year and the results reported to this Ministry and to DGMS.	It is noted that 186 workers will be employed in the mine and periodical Medical Examinations (PME) are carried out compulsorily on each employee once in five years with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. WCL is having occupational health committee at the corporate (HQ) level as well as at the unit (Area/Project level) for regular health status monitoring of all employees. <b>Agreed to comply with.</b>	Periodical Medical Examinations (PME) are carried out compulsorily on each employee once in five years with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.  During PME, the candidates are subjected to a complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.  In case some abnormality is detected during the course of the above examination further investigations are carried out as required.  When a person is diagnosed as having a certain disease, he is referred to the concerned specialist for confirmation and initiation of treatment.  If, on radiological examination, a person is suspected to be having Coal Worker's Pneumoconiosis he is referred to WCL Pneumoconiosis Board. There is a team of specialist specially trained in Pneumoconiosis, examines his X-rays and comes to a conclusion as to whether he is having Coal Worker's

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
			<p>Pneumoconiosis or not, compensation to be paid and his fitness or unfitness for continuing in his job.</p> <p>Various national and International Days are observed to increase awareness and educate general population (e.g. No Tobacco Day/ No Smoking Day, World AIDS day, World Breast Feeding Week etc.).</p> <p>Regular Family Welfare (L.T.T.) Camps organized with the help of State Govt.</p> <p>Full Co-operation is extended to State Govt. for Pulse Polio immunization.</p> <p>Medical facilities are being extended to non-employees in all sorts of acute emergencies.</p> <p><b>Present Set up of Occupational Health Services At WCL:-</b>  WCL is having occupational health committee at the corporate (HQ) level as well as at the unit (Area/Project level) for regular health status monitoring of all employees.  At Unit level/Area level, Committee takes care of the regular health status monitoring of all employees of the mines under administrative control of the respective area. The committee consists of the following:-</p> <ul style="list-style-type: none"> <li>• General Manager ( Operations)</li> <li>• Area Medical Officer</li> <li>• Area Safety Officer</li> <li>• Periodical Medical Examination (PME) In-charge of Area</li> </ul> <p>The above committee takes the review at area level every month. There are 11 Hospitals having PME Centres in the hospitals. The PME Centres are well equipped with Spirometry (Lung Function test). Audiometry (for testing hearing impairment) along with the facilities for X-Ray &amp; other bio-chemical tests.</p> <p>At corporate level Committee takes care of the regular health status monitoring of all employees of the Company. The</p>



S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
			<p>committee consists of the following:</p> <ul style="list-style-type: none"> <li>• Chief General manager (Safety)</li> <li>• Chief of Medical Services</li> <li>• Periodical Medical Examination (PME) In-charge of HQ.</li> </ul> <p>The committee scrutinizes the report of the area every quarter.</p> <p>The details of the set up are as follows:-</p> <ul style="list-style-type: none"> <li>• Periodical Medical Examination (PME) Centres — 10 (Occupational Health Centers)</li> <li>• Nos. of Doctors engaged in Periodical Medical Examination — 10</li> <li>• Nos of Doctors trained in Periodical Medical Examination — 22</li> <li>• Nos. of X-Ray machines (300 mA) — 9</li> <li>• Nos. of X-Ray machines (500 mA) — 2</li> <li>• Nos. of ILO film Tests — 10</li> <li>• Nos. of Audiometer units — 10 (4 units are under process of procurement)</li> <li>• Nos. of Spirometer units — 10 (3 units are under process of procurement)</li> <li>• Nos. of pathology Labs — 10</li> <li>• Nos. of X-Ray Technicians — 10</li> <li>• Nos. of Laboratory Technicians — 22</li> </ul> <p>All the PME Centers are fully computerized.</p> <p>As per the Statute/ Mines Act, 1952 , all the workers are examined every three years and the disease profile is maintained in PME Centers in different colour codes as given below:</p> <ul style="list-style-type: none"> <li>• Yellow card —Hypertension</li> <li>• Green card — Diabetes</li> <li>• Red card — Ischaemic Heart Disease</li> </ul> <p>The pneumoconiosis cases are also followed up regularly by the PME Centres. Recently WCL has started PME every two &amp; half</p>

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
			<p>years for underground workers between the age group of 50 to 60 years.</p> <p>The mineworkers who have been detected with Hypertension or Diabetes or Ischaemic Heart Disease, the records of those workers are well maintained are advised to attend OPD regularly. Attendants of the patient are also advised to take care regarding the diet and medication of the patient.</p> <p>Workers exposed to high decibel machineries i.e. more than 90 decibels and are found to have developed hearing impairment are subjected to repeated audiometric tests. Chronic obstructive Pulmonary disease cases are followed by regular Pulmonary functions tests. In suitable cases , as per the recommendation of the Apex Medical Board, the change of job is also suggested and implemented accordingly. In addition the Welfare Board of WCL time to time makes visits to different area hospitals &amp; PMF centres so as to take stock of the ground realities.</p> <p>As seen from the above details that WCL is having all the infrastructural facilities to comply fully all the statutory obligations regarding occupational health survey of all its employees. The results of PME carried out as per statute will be submitted.</p>
20	A detailed project specific R&R Plan shall be prepared for Piraya village comprising about 365 PAFs and land losers and implemented in consultation with the stakeholders and local administration. R&R shall not be inferior to that in the National R&R Policy and shall be completed within the agreed time frame. R&R shall include specific income generation schemes. A Corpus Fund shall be created for maintenance of the R&R colony. Annuities shall be provided for the	<p>PA assured that all the stipulated conditions will be implemented after commencement of the project as per CIL R&amp;R policy 2012. The total four villages are comes under R&amp;R total 628 land losers are considered for compensation out of which 286 employments be given. As the project started the R&amp;R has to be implemented as per stipulation.</p> <p><b>Agreed to comply with.</b></p>	<p>Project has started on 25.05.2015. All the stipulated conditions will be implemented as per CIL R&amp;R policy 2012.</p> <p>15 ha of land for resettlement of Piraya village has been demanded from the state authority.</p> <p>However the land losers are adequately compensated as per the New Land Rates fixed by the Govt. of Maharashtra.</p> <p>Total No. of Land Losers 565.</p> <p>Total land compensation paid Rs. 164 crores upto 31.01.2016.</p> <p>Total employment given to Land Losers 301, monetary compensation paid to 78 land losers till 31.01.2016.</p>

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN								
	vulnerable sections of the displaced population. Alternate livelihood schemes shall be implemented for the persons not being absorbed for employment.										
21	A detailed CSR Plan shall also be prepared for and in consultation with the local communities. CSR should be for a minimal Rs. 5/TCOal/year or 2.5% of the retain profit shall be implemented which is to be adjusted for depreciation in the value of the rupee over the life of the project. The activities undertaken for the specific villages adopted under CSR shall be displayed on the company website and updated at least once a year.	PA submitted that project has not yet started. All the stipulated conditions will be implemented after commencement of the project. The CSR plan and its implementation have to be submitted as the project work has been started at site. <b>Not complied.</b>	<p>Project has commenced recently on 25.05.2015. All the stipulated conditions will be implemented.</p> <p>The activities undertaken for the specific villages adopted under CSR will be displayed on the company website and will be updated accordingly.</p> <p>It may be mentioned here that every year area-wise detailed CSR plan is prepared after due consultation with local beneficiaries.</p> <p>The Umrer area in last 3 years has spent the following under CSR:</p> <table><tr><th>Year</th><th>CSR activity</th></tr><tr><td>2014-15</td><td>39.98</td></tr><tr><td>2013-14</td><td>216.88</td></tr><tr><td>2012-13</td><td>152.98</td></tr></table> <p>Under CSR activities, we have completed various works in the nearby villages such as construction of roads of villages, community hall, compound wall for school, rooms &amp; toilet for school, installation of hand pumps, solar street lights, RCC drain, digging &amp; deepening of pond, bus stop shed etc.</p> <p>As such, Gokul OC will be no exception.</p>	Year	CSR activity	2014-15	39.98	2013-14	216.88	2012-13	152.98
Year	CSR activity										
2014-15	39.98										
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22	For mining land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, from	PA assured that land use pattern report will be submitted to RO Nagpur after commencement of the project. It is to note that the EC has been accorded in January 2011 and the study has not	<p>Project started operations on 25.05.2015.</p> <p>A recent Land use/Land cover map is provided as annexure in Approved EMP.</p> <p>All the stipulated conditions will be implemented.</p>								

S.NO	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	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 in the time series), and the report submitted to MOEF & CC and its Regional office at Bhopal.	been carried out in the last three years. <b>Not complied.</b>	Digital processing of the entire lease area using Remote sensing technique will be done regularly once in 3 years and the same will be submitted to RO, MoEF on regular basis.
23	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest & Climatic Change 5 years in advance of final mine closure for approval.	The detailed progressive mine closure plan has been incorporated in the approved Project Report and EMP along with a provision of Rs. 6385.98 lakhs as Corpus Fund (based on WPI in Dec 2014) as per present value for undertaking closure activities. <b>Agreed to comply with.</b>	The detailed progressive mine closure plan has been incorporated in the approved Project Report and EMP along with a provision of Rs. 6385.98 lakhs as Corpus Fund (based on WPI in Dec 2014) as per present value for undertaking closure activities. The fund provision is part of the approved project cost. An escrow account has been opened in Oriental Bank of Commerce (Acc No.- 08973161005868) on 15.01.2015 and Rs. 50000.00 have been deposited.

## **B. General Conditions:**

<b>S.No</b>	<b>COMPLIANCE CONDITION</b>	<b>OBSERVATION OF MOEF</b>	<b>ACTION TAKEN</b>
1	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climatic Change.	<b>Agreed.</b>	Noted.
2	No change in the calendar plan including quantum of mineral coal and waste being produced shall be made.	<b>Agreed.</b>	Noted.
3	Four ambient air quality monitoring station should be established in the core zone as well as in the buffer zone for monitoring PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> . Locations 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, in particulates shall be carried out at least once in six months.	It is informed that four monitoring stations has been established are as under:- <ol style="list-style-type: none"> <li>1. Besur Village</li> <li>2. Contractor Camp</li> <li>3. Nand Village</li> <li>4. Polgaon</li> </ol> Monitoring Report for quarter ending September 2015 has been submitted. <b>Compliance in progress.</b>	Environmental Monitoring has started in Quarter-September 2015. Monitoring is being carried out fortnightly basis.  4 nos Ambient air quality monitoring stations has been established to monitor PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> as per Environment (Protection) Act Amended Rule 2000 which are as under :- <ol style="list-style-type: none"> <li>1. Besur Village</li> <li>2. Contractor Camp</li> <li>3. Nand Village</li> <li>4. Polgaon</li> </ol> Environment monitoring reports will be sent to R.O, MoEF, Bhopal and MPCB on regular basis.  Report for QE-December 2015 is enclosed.
4	Data on ambient air quality (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> and heavy metals such as Hg, As, Ni, Cd, Cr, etc) and other monitoring data shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution	It is informed that four monitoring stations has been established are as under:- <ol style="list-style-type: none"> <li>1. Besur Village</li> <li>2. Contractor Camp</li> <li>3. Nand Village</li> <li>4. Polgaon</li> </ol>	Environmental Monitoring has started in Quarter-September 2015. Monitoring is being carried out fortnightly basis.  Air quality reports will be submitted regularly to the MOEF's Regional Office, Bhopal & MPCB etc

S.No	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	Control Board and the Central Pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognised under the EP Rules, 1986 shall be furnished as part of the compliance report.	Monitoring Report for quarter ending September 2015 has been submitted. The detailed six monthly report and data as stipulated is to be submitted by PA. <b>Compliance in progress.</b>	Report for QE-December 2015 is enclosed.
5	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.	Total 13 HEMM and about 80 dumpers are involved in the activity. PA assured that all protective gears as per statute are provided to workmen & the same will be continued during mining operation in this project also. <b>Compliance in progress.</b>	Noise pollution control measures are being implemented. Personnel working in operating mines are being provided with PPE like Ear plugs/ muffs.  Total 13 nos. of HEMM and and about 80 dumpers are involved in the project.
6	Industrial waste water (workshop and waste water from the mine) shall be properly collected and treated so as to conform to the standards including for heavy metals before discharge prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	PA informed that provision of Workshop Effluent Treatment Plant and Sedimentation Pond has been made in the project EMP and the same will be constructed as the project work progresses. <b>Agreed to comply with.</b>	Provision of Workshop Effluent Treatment Plant and Sedimentation Pond has been made in the EMP. Tender for the ETP (200 KLD) has been awarded and the work is under progress and to be commissioned by June 2016. The pumped out water from the mine would be treated in the sedimentation pond. The same is likely to be commissioned by 31.03.2016. The effluent from workshop would be treated in ETP with zero-discharge and oil & grease trap. The quality of mine pumped out water is monitored fortnightly and adequate measures will be taken (if need arises) to maintain the quality of water within permissible limits.
7	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting of the mineral shall be covered with tarpaulins and	PA submitted that only 5 vehicles are used and as per the present practice, the PUC certificates are obtained for all light and heavy vehicles.	Noted for compliance. As per the present practice, the PUC certificate are obtained for all light, passenger vehicles, transportation vehicles and the same will be continued.

S.No	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	optimally loaded.	<b>Compliance in progress.</b>	
8	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.	PA informed that entire monitoring of mine of WCL is done by CMPDIL having a full-fledged, NABL accredited Environmental Laboratory. The CTE is obtained on 13.04.2015 and CTO has been applied by PA to MPCB on 12.05.2015 and CTO is awaited. <b>Agreed to comply with.</b>	At present the entire monitoring of mine of WCL is done by CMPDIL having a full-fledged, NABL accredited Environmental Laboratory manned by qualified and trained engineers. Monitoring will be carried out by the same laboratory.
9	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if need.	PA submits that the persons exposed to dusty area will be provided with protective gears like dust masks with goggles which is also a statutory requirement. As per statute all personnel working in mines will be given training and retraining for safety aspects . <b>Agreed to comply with.</b>	The persons exposed to dusty area being provided with protective gears like dust masks with goggles which is also a statutory requirement. As per statute all personnel working in mines will be given training and retraining for safety aspects .  For surveillance of occupation health among workers periodic medical examination is done for every employee once in five year as per statute in all the mines.
10	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.	The Environmental Management cell at corporate level is headed by CE (Civil) and assisted by a team of qualified and trained engineers under the control of Director (Tech.) At Project level, it will be headed by Sub-Area Manager, Murpar Sub Area and will be assisted by Nodal Officer of the project. <b>Compliance in progress.</b>	The Environmental Management cell at corporate level is headed by CE (Civil) and assisted by a multidisciplinary team of qualified and trained engineers under the control of Director (Tech.) At Area level, the cell is headed by Area General Manager , Umrer Area, assisted by Area Nodal Officer ( Environment) Umrer Area. At Project level, it will be headed by Sub-Area Manager, Murpar Sub Area and will be assisted by Nodal Officer (Environment) of the project.
11	The funds earmarked for	It is informed that total Rs. 57 lakhs	Noted for compliance.

S.No	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	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.	as capital fund and Rs. 55 lakhs recurring fund has been earmarked for environmental protection measure and will be kept in separate account. <b>Compliance in progress.</b>	
12	The project authorities shall 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 at the website of the Ministry of Environment, Forest & Climatic Change at <a href="http://envfor.nic.in">http:// envfor.nic.in</a> .	The advertisements published in two newspaper, in two Local News Papers 'The Hitvada' (English daily, Nagpur) dated 25.01.2011, 'Lokmat' (Marathi daily, Nagpur) dated 26.01.2011, whereas EC accorded on 07.01.2011. <b>Not complied.</b>	Advertisements given in two Local News Papers: 1. 'The Hitvada' (English daily, Nagpur) dated 25.01.2011 2. 'Lokmat' (Marathi daily, Nagpur) dated 26.01.2011 Additional eleven days delay may kindly be condoned considering the date of issue and receipt. Enclosed as annexure.
13	A copy of the environmental clearance letter shall be marked to concerned Panchayat/Zila Parishad, Municipal Corporation or Urban Local Body and local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. A copy of the clearance letter shall also be displayed on the company's website.	<b>Being complied.</b>	The same had been done. The copy of the environmental clearance letter is enclosed.
14	A copy of the clearance letter shall	It is informed that the letter has	Does not Pertain to the project.



S.No	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	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 Centre and Collector's Office/Tehsildar's Office for 30 days.	been displayed of the website of MPCB. <b>Complied.</b>	
15	The clearance 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 uploaded at least once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameters (air, water, noise and soil) and critical pollutants such as PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> and NO <sub>x</sub> (ambient) and critical sectoral parameters shall also be displayed at the entrance of the project premises and mines office and in corporate office and on the company's website.	PA submitted that the clearance letter had been uploaded on the company's website. <b>Complied.</b>	The clearance letter had been uploaded on the company's website.  As the project has been commenced recently, stipulated conditions will be implemented and same will be uploaded & displayed accordingly.
16	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions (both in hard copy and in e-mail) to the respective Regional Office of the MOEF & CC, the respective Zonal offices of CPCB and the SPCB.	PA submitted that project at initial stage but six monthly reports on the status of compliance of the stipulated environmental clearance conditions is being submitted. <b>Compliance in progress.</b>	The six monthly reports on the status of compliance of the stipulated environmental clearance conditions is being submitted regularly to the MOEF's Regional Office, Bhopal & MPCB etc. The very first six monthly compliance report (as on 31.03.2015) submitted on 20.07.2015.
17	The Regional office of this Ministry	<b>Agreed.</b>	Noted.

S.No	COMPLIANCE CONDITION	OBSERVATION OF MOEF	ACTION TAKEN
	located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information / monitoring reports.		
18	The environmental statement for each financial year ending 31 <sup>st</sup> march in Form-V is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the company'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.	The environmental statement for this financial year 2015-16 is due for submission. <b>Agreed to comply with.</b>	Noted for compliance. The environmental statement for each financial year will be submitted regularly to the MOEF's Regional Office, Bhopal & MPCB. Environmental statement of 2015-16 will be submitted from 2016-17.
19	The ministry or any other competent authority may stipulate any further condition for environmental protection.	<b>Agreed.</b>	Noted.
20	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.	<b>Agreed upon.</b>	Noted.
21	The above condition will be enforced <i>inter-alia</i> , under the	<b>Agreed.</b>	Noted.

<b>S.No</b>	<b>COMPLIANCE CONDITION</b>	<b>OBSERVATION OF MOEF</b>	<b>ACTION TAKEN</b>
	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 groundwater and surface water, and occupational and their disease due to the mining operations.		