

MCDR INSPECTION REPORT

**General**

S. N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Barima Bauxite mine 31.07.2018 Rajesh Kumar Das(Inspection for processing Final Mine Closure Plan)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.304 ha. Private land (Non- forest)
3	Mine code	07CHG16005
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8239/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Chhattisgarh Mineral Development Corporation Ltd. Sonakhan Bhawan Ring road no. 01, village -purena post ravigram raipur chhattisgarh, 492006
6	Village	Barima
7	Taluka/Mandal	Mainpat
8	District	Surguja
9	Pincode	497001
10	State	chhattisgarh
11	Post office	Narmadapur
12	Nearest police station	Kamleshwarpur
13	Nearest Railway station	Ambikapur
14	Date of Grant of Mining Lease	06.11.2005
15	Date of Execution	26.07.2006
16	Date of opening of Mine	26.07.2006
17	Date of first Renewal, if applicable and its period & expiry	Nil
18	Date of second Renewal, if applicable and its period & expiry	Nil
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Nil
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Smt. Alarmelmangai D (I.A.S.) MD Chhattisgarh Mineral Development Corporation Ltd. Sonakhan Bhawan Ring road no. 01, village -purena post ravigram raipur Chhattishgrh, 492006 Email :-cmdcraipur@gmail.com phone no.- 0771-4043477

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. S.K.Pandey AGM(Geology) Chhattisgarh Mineral Development Corporation Ltd. Sonakhan Bhawan Ring road no. 01, village -purena post ravigram raipur Chhattishgrh, 492006 Email :-cmdcraipur@gmail.com phone no.- 0771-4043477 Mob:- 9926533449
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Upendra Kumar Chhattisgarh Mineral Development Corporation Ltd. Behind Carmel School Housing Board Colony, Namnakala Ambikapur, District- Surguja (C.G.) Email :- cmdcambikapur@gmail.com Mob:- 8839053614
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Upendra Kumar Chhattisgarh Mineral Development Corporation Ltd. Behind Carmel School Housing Board Colony, Namnakala Ambikapur, District- Surguja (C.G.) Email :- cmdcambikapur@gmail.com Mob:- 8839053614
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes (mining engineer Mr. Upendra kumar & Geologist Mr. S.K.Pandey)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter no. SRG/BX/MPLN-920 dated 21.02.2006
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Letter no. SRG/BX/MPLN-920/NGP date 20.04.2009
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Semi-mechanised
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

#### **Exploration**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Mining plan was approved for the period of 2008-
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	

1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	Not applicable	09 to 2012-13 and mining operation is suspended from 2012-13.  Out of 4.304 ha lease area more than half area already excavated, partly backfilled and rehabilitated by plantation. (0.288ha comes under safety zone & road)
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2015	Nil	Nil	
1f	General remarks of inspecting officer on geology, exploration etc.	Out of 4.304 ha lease area more than half area already excavated, partly backfilled and rehabilitated by plantation. (0.288ha comes under safety zone & road). Four bore holes drilled in virgin area and as per analysis report low grade ore reported.		

### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Nil	Nil	Mining plan was approved for the period of 2008-09 to 2012-13 and mining operation is suspended from 2012-13.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine was suspended and no work reported from 2012-13		

### **Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No proposal	Nil	
3b	Quantity of ROM mineral production proposed	No proposal	Nil	
3c	Recovery of salable/usable mineral from ROM production	No proposal	NA	

3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	NA	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	NA	
3j	Provision of drilling & blasting in mineral benches	No proposal	NA	
3k	Provision of mining machineries in mineral benches	No proposal	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	NA	
3m	Total area covered under excavation/pits	No proposal	Nil	
3n	Ore to OB ratio for the pit/mine during the year	No proposal	NA	
3o	Total area put in use under different heads at the end of year	No proposal	Nil	
3p	Production of ROM mineral during last five-year period, as applicable	No proposal	Nil	
3q	General remarks of inspecting officer on method of mining etc.	Mining plan was approved for the period of 2008-09 to 2012-13 and mining operation is suspended from 2012-13.		

#### **Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	NA	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	NA	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	NA	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	NA	

4i	Length of Retaining wall or garland drain all along dump	No proposal	NA	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mine was suspended and no work reported from 2012-13		

### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Already reclaimed small portion	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine was suspended and no work reported from 2012-13		

### **Progressive Mine Closure Plan**

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	NA	NA	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NA	NA	Out of 4.304 ha lease area more than half area already excavated, partly backfilled and rehabilitated by plantation. (0.288ha comes under safety zone & road).
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L *B * D)	NA	NA	

	ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i)	i)	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mine was suspended and no work reported from 2012-13 and submitted FMCP		

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine was suspended and no work reported from 2012-13.		

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Nil	
8g	Survival rate	Nil	Nil	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine was suspended and no work reported from 2012-13.		

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	AR & MR not submitted		
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA		Violation has been issued for non-submission of MR & AR
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA		
9d	Scrutiny of Annual return on afforestation	NA		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA		
9i	Scrutiny of Annual return on fixed assets	NA		
9k	Scrutiny of Annual return on mining machineries	NA		

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:-** Violation has been issued for non- submission of MR & AR and earlier based on office record violation of Rule 27 for non-submission of Financial Assurance and still the violation non complied and further necessary action will be initiated.

**(Rajesh Kumar Das, Barima Bauxite mine, 31.07.2018)**