

Self –Appraisal Note to be submitted by Owner of the Mine under Rule 63 of MCDR'1988 Stating extent of implementation of Approved Mining Plan/ Scheme of Mining during the reporting year of **01/04/2013 to 31/03/2014** along with supporting plans / section, representative photographs in hard as well as soft copy.

1. Mine Details

a) Mine Registration No Taken from IBM	IBM/602/2011
b) Mine Code	07MPR42002
c) Mineral	Bauxite
d) Name of Mine	Mainpat Bauxite Mine
e) Lessee	Bharat Aluminum Company Limited
f) Lease No of State Govt. (TC No. for Goa)	Nil (Area : 639.169 hectare)

2. Detail of Mining Plan/ Scheme of Mining Approved on last occasion

a) Reference No. of Approval letter	314(3)/2012-MCCM (CZ)/ MP-07 dated 16th October 2012		
b) Approving Authority	Controller of Mines (CZ)		
i) IBM	Nagpur Region (CZ), IBM		
ii) State Govt.			
c) Five Year implementation period (Financial Year)	From	To	09th July 2012 to 31st March 2017
	09.07.2012	31.03.2017	

3. Details of Modification sought/approved During the Reporting Year

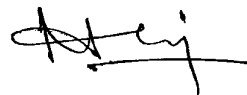
a) Whether modification sought?	NO
b) If yes, state reasons of seeking such modifications	

4. Compliance of silent features of the Mining Plans/ Scheme of Mining during the year

ACTIVITY

EXPLORATION	Proposal made in Approved MP/SOM for the reporting year	Actual implementation during the year
A) Type of Exploration	Nil	Nil
i) Surface Samplings	Nil	Nil
ii) Pitting	Nil	Nil
iii) Trenching	Nil	Nil
iv) Borehole drilling	Nil	Nil
B) Expenditure in lakh rupees	Nil	Nil
C) Reserve Estimation (Including additional reserve estimation if any)	42.18	42.18
D) Resource Identification (Including additional reserve estimation if any)	42.51	42.51
E) Total Reserve and Resources	84.69	84.69





a) Method of Mining Opencast / Underground / Combination of both	Opencast	Opencast
b) Category A/B	A	A
c) Site of Mining (Mention position of working and R.L.)	04	Nil
d) Quantum of Waste	2044198 tonnes	Nil
e) ROM Production	1154313 tonnes	Nil
f) Grade -wise mineral production (same as given in MCDR return form)	750304 tonnes (45% to Below 50%)	Nil

MINE DEVELOPMENT

OPENCAST (Pitwise)	Kudardih EAST	
Bench formation with R.L.	02	Nil
Stripping ratio	0.61	Nil
Top R.L.	Nil	Nil
Bottom R.L.		
Underground	NA	NA
Proposed development in mine	NA	NA
Name and number of slope to be operated	NA	NA
Stopping operations	NA	NA
Production in tonnes Development, Stopping Total	NA	NA

OPENCAST (Pitwise)	Kudardih WEST	
Bench formation with R.L.	02	Nil
Stripping ratio	2.03	Nil
Top R.L.	Nil	Nil
Bottom R.L.		
Underground	NA	NA
Proposed development in mine	NA	NA
Name and number of slope to be operated	NA	NA
Stopping operations	NA	NA
Production in tonnes Development, Stopping Total	NA	NA

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OPENCAST (Pitwise)	Kesara	
Bench formation with R.L.	02	Nil
Stripping ratio	1.53	Nil
Top R.L.		
Bottom R.L.	Nil	Nil
Underground	NA	NA
Proposed development in mine	NA	NA
Name and number of slope to be operated	NA	NA
Stopping operations	NA	NA
Production in tonnes Development, Stopping		
Total	NA	NA

OPENCAST (Pitwise)	Sapnadar	
Bench formation with R.L.	02	Nil
Stripping ratio	1.87	Nil
Top R.L.		
Bottom R.L.	Nil	Nil
Underground	NA	NA
Proposed development in mine	NA	NA
Name and number of slope to be operated	NA	NA
Stopping operations	NA	NA
Production in tonnes Development, Stopping		
Total	NA	NA

SOLID WASTE MANAGEMENT

Site of waste disposal (Mention position & R.L.)	Nil	Nil
Mode of waste disposal & Waste disposal configuration (Advancing/ Retreating method with num be reflects)	Concurrent backfilling system adopted	Nil
Waste Dump Stabilization / Garland Drain/ Retaining Wall	NA	Nil
Check dams / Settling tanks	Nil	Nil

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BLASTINGS

Mode of blasting (J/H Pop, Plaster Shooting & Deep hole)	Deep hole	Nil
Explosive Storage	1. Slurry explosive class – 2 : 19 tonnes 2. Detonating fuse class – 6 : 50,000 meter 3. Safety fuse class – 6 : 50,000 meter 4. Ordinary and delay detonators : 44,000 meter	Nil
Precaution against flying fragments , ground vibration	1. Sufficient warning signals are given over the entire areas falling within the danger zone of a safe distance of 520 m. 2. To ensure that all person have taken proper shelter. 3. No. of holes to be blasted at a time to be kept minimum to control vibration & noise by using delay detonators (DDR) of 25 millisecond. Delay detonators will be used between groups of holes and row of blasting. 4. Proper stemming of holes will be done; no overcharging in any case. 5. Blasting will be avoided in fogged whether and high wind velocity. 6. Blasting will preferably be done during lunch break at 1.00 to 2.00 P.M. 7. Controlled blasting will be done with proper blast design.	Nil

MINE DRAINAGE

Likely depth of mining below water table	NA	Nil
Expected pump in go of surface water	NA	Nil
Mode of disposal of sub-surface water	NA	Nil

MINERAL BENEFICIATION

Feed quantity and Grade	NA	NA
Product quantity and Grade	NA	NA
Tailing quantity and Grade	NA	NA
Site of Tailing disposal	NA	NA
Tailing Dam management Preventive measures envisaged	NA	NA

USE OF MINERALS

End use of Minerals produced at the Mine	Aluminium production	Nil
Provision of blending with high grade/ low grade	Nil	Nil
Land use pattern in Ha.		
Area exploited and abandoned	26.30	Nil
Covered under O/C working	12.58	Nil
Reclaimed and Rehabilitated	26.50	Nil
Occupied by infrastructure	0	Nil
Others	0	Nil

ENVIRONMENT MANAGEMENT PLAN

Afforestation with Type of species	70,000 nos	58,000 Nos (infilling plantation) (Chhachim, Gulmohar, aacusia, Semikesiya, Guava, Mango, Lemon, Neem, Iml, Karanj)
Reclamation & Rehabilitation of Land	26.50	Nil
Ambient Air quality	Ambient Air Quality in the mines and surrounding areas will be monitored on quarterly basis.	Ambient Air Quality of mines and surrounding areas has been monitored on monthly basis during the period 2013-2014.
Water Quality	Water quality from company dug tube wells & nallas (during the rainy season) will be analyzed to ascertain its quality on quarterly basis.	Water quality from company dug tube wells & nallas (during the rainy season) has been analyzed on monthly basis during the period 2013-2014.
Noise Quality	Noise level will be monitored on quarterly basis in the mines and around the mines	Noise level of mines & surrounding areas has been monitored on monthly basis during the period 2013-2014.
Precaution under taking for flying fragments, ground vibration	<ol style="list-style-type: none"> 1. Sufficient warning signals are given over the entire areas falling within the danger zone of a safe distance of 520 m. 2. To ensure that all person have taken proper shelter. 3. No. of holes to be blasted at a time to be kept minimum to control vibration & noise by using delay detonators (DDR) of 25 millisecond. Delay detonators will be used between groups of holes and row of blasting. 4. Proper stemming of holes will be done; no overcharging in any case. 5. Blasting will be avoided in fogged whether and high wind velocity. 6. Blasting will preferably be done during lunch break at 1.00 to 2.00 P.M. 7. Controlled blasting will be done with proper blast design 	<p>Mines operation and blasting is stopped from 08th July 2012 due to the expiry of mining lease & we have already applied for mining lease renewal.</p>




COMMUNITY SOCIAL RESPONSIBILITY

Drinking water(In Rupees)	600000	0
Transport (In Rupees)	0	0
Health (In Rupees)	800000	600000
Sanitation (In Rupees)	0	0
Education (In Rupees)	400000	423000
Sports (In Rupees)	100000	100000
Recreation Facility (In Rupees)	400000	500000
Employment (In Rupees)	8000000	6500000
Housing (In Rupees)	0	0
Infrastructure (In Rupees) Roads/Public transport/communication/electricity	3800000	2500000
Total	14100000	10623000
5. Constraints faced at the mines during reporting Year while implementing the salient features of the mining plan/scheme of mining	Mining lease was expired on 08th July 2012 and application for M L Renewal has been already submitted at MRD, Raipur, Chhattisgarh Govt and awaiting for ML Renewal.	
6. Corrective action envisaged by mine management for rectification of the deviation in implementation of salient feature of the mining plan/scheme of mining as observed under serial no.4	Applied for M L Renewal of Mainpat Bauxite mines and the application is under process at MRD, Raipur, Chhattisgarh State Govt.	
7. Any other information to be included		

VERIFICATION

I certify that the information furnished above is correct and complete in all respects.

Date: 14/05/2014

Place: Mainpat

Signature: Name in Full: Manoj Kumar Modi

Designation: ~~Lessee~~ / Agent / ~~Manager~~ / Mining Engineer

Note: Where ever felt necessary, copy of the relevant plan / section representative photographs with due integration with the above description is to be enclosed / uploaded.

