

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BGM/BX - 1/GOA

Mine code : 07KAR02001

- (i) Name of the Inspecting : **G001**) **GUMNA RAM**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : S/Shri K.Venu & Suresh P Chitagi,MM
Official with
Designation
- (iv) Date of Inspection : 18/08/2014
- (v) Prev.inspection date : 17/07/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DBS ML 1055 (327.01)**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : KARNATAKA
District : BELGAUM
Village : NAVGE & HANGIRGE
Taluka : BELGAUM
Post office : BELGAUM-M.VADGAON
Pin Code :
FAX No. : 0831-2448326
E-mail : dbsingh2640@gmail.com
Phone : 0831-2496041
- (e) Police Station : VADGAON, BELGAUM
- (f) First opening date : 01/01/1956
2. Address for correspondence : ML.No. 2640, M/s Dalchand Bahadur Singh
92, "Shiv Parvathi", Vinayak Nagar, Hindalga Roa
Belgaum-591 108
3. (a) Lease Number : KAR0520
(b) Lease area : 118.7
(c) Period of lease : 20
(d) Date of Expiry : 20/08/2021
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : DALCHAND BAH DUR SING
 92, " SHIV-PARVATI" VINAYAK
 NAGAR, HINDALAGA ROAD
 BELGAUM KARNATAKA
 Phone:0831-2496041
 FAX :0831-2448326

Owner : M/S DALCHAND BAH DUR SING
 92, 'Shiv-Parvati' Vinayak
 Nagar Hindalaga Road
 BELGAUM KARNATAKA
 Phone: 0831-2496041
 FAX : 0831-2448326

Agent : K. VENU
 C/O- M/s BELGAUM MINERALS
 91, VINAYAK NAGAR,
 HINDALAGA ROAD, BELGAUM
 BAGALKOT KARNATAKA
 Phone: 0831-2496041
 FAX : 0831-2448326

Geologist

Name : Shri C.M.Sudi, Full Time
 Qualification : MSc.Geology
 Appointment/ : 01/07/2012
 Termination date

Manager

Name : Shri Pandey M.S.Prasad
 Qualification :
 Appointment/ : 01/03/2013
 Termination date

6. Date of approval of Mining : 05/04/2013
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS**1. Details about Average employment :**

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	230
Plant	3	230
Workers	19	230
Supervisory	8	230

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Safety	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Communication	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Electricity	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

Last MCDR inspection Violation of rules Compliance status
 17/7/2013 NIL NIL
 18/8/2014 23(E) (2),63 Under process

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988, if recommended.

No such recommendations have been made presently under these provisions.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: Not proposed in present scheme period.	Not done.	
b.Total area covered	: Not proposed in present scheme of mining.	Not done,10 exploratory pits of 2mx2m size up to 3m depth made in the earlier plan period. The lease area is still remain for exploration.	
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: 180E-519E & 365N-597N, 185E-310E&2012N-2366N (2013-14)	Mining operatiios done partly as proposed above due to less production achieved.	
b.Bench size(LxWxH)length can be defined as regular/irregular	: Regular	IrrRegular, due to hilly area with simultaneous backfilling the excavated area & handover to surface right land owner for cultivation of vegetables & crops.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.30	1:0.38	
d.Total area covered under excavation/pits	: -	Current excavated area about 2.5Ha.& total reclaimed area 17.0Ha.	
C. Waste disposal (Rule 13)			
a.Location of dumps	: Not applicable as no proposal for waste dumping.	The waste material is utilised for backfilling of mine out area as per committement to land owner every year & handed over for agriculture & vegetables crops.	
e.Yearly generation of waste quantity.	: 1,28,571T	1,95,000T	
b.Method of dumping whether advancing/retreat	: Not proposed.	NIL	
c.Total area covered under waste dump.	: Not proposed.	NIL	
d.No.and size of each waste dump with No of	: Not proposed.	NIL	

steps/lift/bench

D. Production

b.Year wise	: 2010-11=3,00,000T	2010-11=26,343T
production of last	2011-12=3,00,000T	2011-12=82,270T
five year.	2012-13=3,00,000T	2012-13=81,200T
	2013-14=3,00,000T	2013-14=1,90,000T
	2014-15=3,00,000T	2014-15=51,500T up to July,14

D. Reserve

a.Reserve position as : Reserves available per latest MP/MS and at the time of inspection.	as on 01.4.2014	Reserves available as per approved SOM on 05.4.2013 and further depleting the production achieved as on 01.4.14 are as follows :-UNFC-(111,121 & 122)-about 33 Lakh T & Remaining resources-1,06,860T
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RESERVE POSITION AS ON 01/04/2014

PRODUCTION FOR THE PREVIOUS YEAR 2013 - 2014

Mineral	Production	Unit
BAUXITE	74500	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

- Efforts for improving low grade and sub grade mineral. : Crushing the ROM in crushing & screening plant in ML area, screened reject is having silicious laterite & backfilled in mine out area.
- Efforts for improving percentage of recovery of ore. : Crushing the ROM in crushing & screening plant in ML area and selling as per market demand after blending low grade material with higher grade and utilising.

Mineral Rule 15

- Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 30-40% recovery (screening rejects area lateritic soil)
- Number of benches in ore and waste. : 06-07 bench in ore & 04-05 benches in waste (with partly reclamation)

Sub/grd mineral/fines (Rule16)

- Qty of yearly generation and total qty available during inspection with grade : Not applicable
- Number and size of each stack : NIL
- Location of stacking. : Not applicable
- Separate stacking from waste : No proposal, however generation of waste material temporarily stacked in nearby area & used for backfilling the work out area for reclamation & rehabilitation work.
- Total area covered for stacking : NIL

Exploration data as on 31/03/ 2014

No. of Boreholes	No. of Pits	No. of Trenches
0	0	0

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2013 - 2014

Overburden/waste removed (in m3) : 97500

Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : Gently sloping / hilly terrain area with mining .
- b. Aesthetic environment : Degraded mining land & Plantation of sugarcane & vegetables crops on backfilled area.
- c. Soil and land use pattern : ML area is in hilly terrain & mine working of shallow depth of 2-3m of bausite. The available top soil is utilising for plantation work.
- d. Agriculture : The mine worked out area & after backfilled is utilising for agriculture & vegetation.
- e. Forest (flora and fauna) : No forest land involved.
- f. Vegetation : Naturally grown shrubs & bushes available & mine worked out area having the good vegetation & agriculture crops.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No Public building, places and monuments (protected, historical), place of worship and places of tourist.

B Water environment.

- a. Surface water : Rain water is collected by cuttings drains & collected in pit bottom sump & diverted for plant & agriculture activities.
- b. Ground water : ground water table is at a depth of 40m below lowest working. No seepage of ground water observed.
- c. Quality of water : No adverse impact on quality of water reported.

C. Air environment

- a. Noise : No adverse impact of noise reported. Noise level is maintained below 85db.
- b. Air : Regular grading & maintain haul road in good condition, water sprinkling on haul road & near working places maintained.
- c. Climatic condition : Semi arid type climate.

D. Socio economic environment

- a. Social and demographic profile. : The social status & demographic profile of surrounding village area is rural background. & main occupation is agriculture and animal rearing.
- b. Recommending health and safety. : PEE provided to mine employees and first aid & ambulance is available, no habilitation existing near mining lease area.
- c. Human settlement : There are 17 villages with in 5km radius of ML area & population as per latest census (2001) is about 21,428.
- d. Recreational facility. : Recreation facilities available nearest at Belgaum taluka HQ.

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

<u>Water Management</u>					
Season	Station type	Station name	Parameter	Value	
				Actual	Excess

<u>Air data for excess parameters</u>					
Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2013 - 2014</u>	Area in Hect.
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<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2014

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

The party has submitted the annual return for the year 2013-14 in form H-3 and no significant shortcomings observed.(Year-2013-14)

Production -74,500T

Overburden-1,95,000T

PMV/Ex mine price-323Rs./T

Opening stock-11284.92T,Dispatch-70441.44T,

Closing stock-15343.48T

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Land use details as on 01.4.2014

Total lease area-118.83Ha.

already exploited & reclaimed -17.0Ha.

Mining- 2.5Ha.

Reclamation in year-0.75Ha

Plant building office ect.-2.5Ha.

Plantation done-10,000 (Survival-70%)

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

Not applicable as ML was executed for 20 years WEF-21/8/2001 & expired on 20/8/2021.

b. Compliance of the provisions of MCDR, 88 and advise given.

The latest scheme of mining was approved on 05/4/2013 for the period 2013-14 to 2017-18.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

NIL

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

The boundary of lease pillars are not maintained as per statute & action may be initiated accordingly.

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

NIL

Date :

(GUMNA RAM)

Indian Bureau of Mines