

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR inspection REPORT

Goa regional office

Mine file No : MAH/KLP/BX-11/GOA

Mine code : 07MSH13013

- (i) Name of the Inspecting : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI. PRAVIN V. LIKHAR, MM**
Official with
Designation
- (iv) Date of Inspection : 03/11/2018
- (v) Prev.inspection date : 05/05/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RINGEWADI (576.12)**
- (b) **Registration NO.** : **IBM/718/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : KOLHAPUR
- Village : BRUMBAL
- Taluka : SHAHUWADI
- Post office : BRUMBAL
- Pin Code : 415101
- FAX No. : 0231-2662501
- E-mail : minerals_shivram@yahoo.com
- Phone : 0231-2662501, 9423041249
- (f) Police Station : SHAHUWADI
- (g) First opening date : 07/10/2003
- (h) Weekly day of rest : SUN
2. Address for : C/o Dongale and Sons, 1325/111 E Ward,
correspondance Shivaji Udyamnagar, Karveer
KOLHAPUR-416008
3. (a) Lease Number : MSH0302
- (b) Lease area : 576.12
- (c) Period of lease : 50
- (d) Date of Expiry : 20/04/2053
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : SHIVRAM MINERALS
C/o Dongale and
Sons,1325/111E Ward Shivaji
Udyamnagar, Karveer
KOLHAPUR MAHARASHTRA
Phone:
FAX :

Owner : SANDEEP PANDURANG DONGALE
C/o Dongale and Sons,
1325/111 E Ward, Shivaji
Udyamnagar, Karveer
KOLHAPUR MAHARASHTRA
Phone: 0231-2662501, 9
FAX : 0231-2662501

Mining Engineer

Name : Pravin Vasantryao Likhar, Full Time
Qualification : BE Mining
Appointment/ : 03/03/2016
Termination date

Geologist

Name : Rajan Patil, Full Time
Qualification : M.Sc. (Geology)
Appointment/ : 01/09/2012
Termination date

Geologist

Name : Amar Ramchandra Rane, Full Time
Qualification : MSc Geology
Appointment/ : 03/03/2016
Termination date

Geologist

Name : Ravindrakumar Bhujangrao Salve, Full Tim
Qualification : MSc Geology
Appointment/ : 01/03/2015 02/03/2016
Termination date

Manager

Name : Amrendra Kumar singh
Qualification : BE Mining With II nd Class cert.
Appointment/ : 01/02/2015
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	18/04/2002
		Modif.of approved Mining Plan	22/06/2006
		Mining Scheme rule 12 MCDR1988	01/02/2008
		Modif.of approved Mining Plan	28/04/2008
		Mining Scheme rule 12 MCDR1988	09/11/2012
		MP modif under 17(3) MCR 2016	28/07/2016
		MP modif under 17(3) MCR 2016	21/02/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	20Nos Trial Pits	yes	completed in compliance to violation issued
1b	Exploration over lease area for geological axis 1 or 2	52 trial Pits Proposed for 2017-18	20 trial pits	Violation issued for rectification.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	In house undertaken	
1d	Balance area to be explored to bring Geological axis in 1 or 2	194.72Ha	-	
1e	Balance reserve as on 01/04/20		As on 1.4.2018, Reserve- 6898574 te (Total Resource- 7484014 te)	
1f	General remarks of inspecting officers on geology, exploration etc			20 trial pits achieved against the proposal of 52 pits in the year 2017-18.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No. 6	yes	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil/OB:0, Mineral: 03,	Topsoil/OB:0, Mineral: 03,	
2c	Stripping ratio or ore to OB ratio	1:0.88	1:0.48	
2d	Quantity of topsoil generation in m3	nil	No topsoil is being handled	
2e	Quantity of overburden generation in m3	64,260 Tons	35,000 Tons	As reported during inspection & also Reviewed in MMP approved dtd. 21.02.2018

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Less requirement of development in bauxite deposit.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 Numbers	01 Numbers	
3b	Quantity of ROM mineral production proposed	72,755 Tons	72,700 Tons	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Crushing and screening
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NO	
3j	Provision of drilling and blasting in mineral benches	yes	yes	

3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	34.66 ha. area proposed up to FY 2022-23	About 20 Ha. till date	cumulative figures
3n	Ore to OB ratio for the pit/mine during the year.	1:0.88	1:0.48	
3o	Total area put in use under different heads at the end of year	49.18 Ha. proposed up to FY 2022-23	About 32 Ha. till date	cumulative
3p	Production of ROM mineral during the last five year period as applicable	2013-14 to 2017-18 :- 3,64,727 Tons	2013-14 to 2017-18 :- 2,73,650 Tons	
3q	General remarks of inspecting officers on method of mining etc.			As approved, lessee has committed to use control blasting technique (Nonel) by monitoring blast vibration from onward .

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	
4b	Location of topsoil, OB and mineral reject dumps	Topsoil and Mineral Rejects are not proposed. OB/waste proposed for backfilling	OB/waste used for backfilling	

4c	Number of dumps within lease area and outside of lease area	none		OB/waste used for backfilling
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil		OB/waste used for backfilling
4e	Number of active and alive dumps.	nil		OB/waste used for backfilling
4f	Number of dead dumps.	nil		OB/waste used for backfilling
4g	Number of dumps established.	nil		OB/waste used for backfilling
4h	Whether Retaining wall or garland drain all along dumps are there.	--		NA
4i	Length of Retaining wall or garland drain all along dumps	--		NA
4j	Number of settling ponds	--	--	
4k	Specific comments of inspecting officer on waste dump management			OB/waste being used for backfilling of mined out area

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction of minerals	Being carried out after full extraction of minerals	
5b	Area under backfilling of mined out area	3.06 Ha	About 3.00 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	--	Topsoil generation is negligible	

5d	Total area fully reclaimed and rehabilitated	Deviation observed in the R&R figures in the returns and issued violation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Deviation observed towards R&R and backfilling figures of the Annual returns 2017-18 and issued violation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		Yes	
6b	Area available for rehabilitation (ha) .	3.06 Ha	About 3Ha	
6c	afforestation done (ha).	2,250 plants	5,940 plants	
6d	No. of saplings planted during the year	2,250 plants	5,940 plants	
6e	Cumulative no .of plants		28359 nos.	
6f	Any other method of rehabilitation	--	Back filling and plantation	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	3.06HA	3.0 HA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	3.06HA	3.0HA	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring of Environmental Parameters Proposed	Monitoring report observed.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Backfilling and planation being carried out in mined out area

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting within lease area	grade wise sorting within lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	yes	<40% Al2O3, 40 - 45% Al2O3, 45 - 50% Al2O3, 50 - 55% Al2O3	
7d	Any beneficiation process at mines	nil	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			grade wise sorting of mineral being carried out within lease area by mobile screening and crushing unit.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	top soil generation neglible	top soil gereneration neglible	

8b	Concurrent use or storage of topsoil	NA	Na	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB/waste proposed for backfilling	OB/waste being used for backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed for reclamation by backfilling & plantation	Reclamation & restoration of mined out area being carried out by backfilling, coir matting & plantation.	
8g	Survival rate	--	about 75%	
8h	Water sprinkling on roads to control airborne dust	Yes	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Satisfactory

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Submitted AR and M.R.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Geologist has not been employed under this rule.	Violation issued.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Deviation observed in the Reclaimed area.	Issued violation
9d	Scrutiny of Annual return on afforestation	furnished	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The cost of production reported is appeared much higher than the cost of production reported by the other mining lease holder.	Violation issued for justification/rectification.
9h	Scrutiny of Annual return on fixed assets	furnished	
9k	Scrutiny of Annual return on mining machineries	furnished as per the proposal	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	12/11/2018			
MCDR17	Rule 45(7)(a)	12/11/2018			
MCDR17	Rule 55(1)(3)	12/11/2018			

Date :

(SURESH PRASAD)

Indian Bureau of Mines