

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** MAH/KLP/Bx-9/GOA

**Mine code :** 07MSH13008

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. G.R.NAGARAJA, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 09-MAR-22
- (v) Prev.inspection date : 02-SEP-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : GIRGAON
- (b) **Registration NO.** : IBM/778/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : MAHARASHTRA
- District : KOLHAPUR
- Village : GIRGAON
- Taluka : SHAHAWADI
- Post office : YELWANJUGAI
- Pin Code : 415101
- FAX No. : 0831-2429968
- E-mail : pkulkarni2007@yahoo.co.in
- Phone : 0831-2427187, 9880025007
- (f) **Police Station** : SHAUWADI
- (g) **First opening date** : 20-DEC-02
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Bharatesh Construction Company  
34/35, Corporation Complex,  
Goa-Ves, Hindwadi, Belgaum-590011
3. (a) **Lease Number** : MSH0243
- (b) **Lease area** : 71.42
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 04-FEB-32
4. **Mineral worked** : BAUXITE Main

## 5. Name and Address of the

Lessee : BHARTESH CONSTRUCTION COMPANY  
 Shop No-34, Corp. Complex  
 Goaves, Hindwadi, BELGAUM  
 KARNATAKA  
 Phone:0831-2427187  
 FAX :0831-2429968

Owner : SURENDRA T KODACHWAD  
 SHOP NO-34/35, CORPORATION  
 COMPLEX GOA-VES, HINDWADI  
 BELGAUM KARNATAKA  
 Phone: 0831-2427187  
 FAX : 0831-2429968

Agent : KRISHNA SHATTUPPA PATIL  
 SANDEEP NIWAS,H.NO. 785 5TH  
 MAIN, 1ST CROSS,GANESH RD.  
 VAIBHAV NAGAR,BELGAUM  
 BELGAUM KARNATAKA  
 Phone: 0831 - 2471597 ,2427187  
 FAX : 0831 - 2429968

## Manager

Name : Rajeev Kumar  
 Qualification : BE Mining  
 Appointment/ : 17-NOV-14  
 Termination date

## Manager

Name : Shri Amrit Sable  
 Qualification : Diploma in Mining & mine Survrying & I s  
 Appointment/ : 11-APR-13  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	07-DEC-00
Plan/Scheme of Mining		Modif.of approved Mining Plan	17-OCT-02
		Mining Scheme rule 12 MCDR1988	16-SEP-05
		Mining Scheme rule 12 MCDR1988	28-MAR-12
		Modif.approved Mining Scheme	23-JAN-15
		Mining Scheme rule 12 MCDR1988	20-APR-15
		Modif.approved Mining Scheme	06-DEC-18
		MP review under 17(1) MCR 2016	07-FEB-20

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	2020-21
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	
1e	Balance reserve as on 01/04/20	-	Reserve (111)- 854080 te	As per Annual Return submitted for FY 20-21
1f	General remarks of inspecting officers on geology, exploration etc			Exploration work has been carried out earlier. Balance reserves are present within the ML area in the form of float ore only.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Float ore working proposed between co-ordinates N 1864348 - 1863277 & E 379316 - 380165 in FY 2020-21	Float ore working carried out in the same area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mixed Benches, Float workings only	Mixed Benches, Float workings only	Mixed Benches of OB/Soil & Float ore
2c	Stripping ratio or ore to OB ratio	1 : 0.75	1 : 0.52	Te : m3

2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	180000 m3	83458 m3 ; (125187 te @ 1.5 T/cum)	Used for Back filling of Float area
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Type of deposit is Float ore only and working being carried out for winning of Float ore	

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Float workings proposed at earmarked places between co-ordinates N 1864348 - 1863277 & E 379316 - 380165 in FY 2020-21	Float ore working carried out in the same area	
3b	Quantity of ROM mineral production proposed	240000 te in FY 2020-21	161600 te in FY 2020-21	As reported during inspection, production quantity was achieved less due to Corona Covid Pandemic restrictions.
3c	Recovery of sailable/usable mineral from ROM production	About 40% in Float ore	About 55% in Float ore	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Mobile Screen & Crushing Unit. Excavator with Haul Trucks	Mobile Screen & Crushing Unit. Excavator with Haul Trucks	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2.5m height of benches	About 2.5m height of benches being maintained in Float Workings	
3m	Total area covered under excavation/pits	15 HA	6.2 HA	As per Annual Return submitted for FY 20-21
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.75	1 : 0.52	Te : m3
3o	Total area put in use under different heads at the end of year	86 Ha. upto FY2024-25	About 55 ha.	As per Annual Return submitted for FY 20-21
3p	Production of ROM mineral during the last five year period as applicable	2016-17 300000 2017-18 300000 2018-19 156000 2019-20 240000 2020-21 240000 te	2016-17 239375 2017-18 95525 2018-19 150750 2019-20 238070 20 20-21 161600 te	Production Quantity is given as reported in Annual Returns and approved Mining Plans
3q	General remarks of inspecting officers on method of mining etc.			Open cast float workings being carried out with shovel-dumper combination.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping of OB/waste proposed	Separate Stacking/backfilling of O.B./waste carried out. Top soil & Mineral Rejects were not generated.	
4b	Location of topsoil, OB and mineral reject dumps	Generation of Topsoil and Mineral Rejects are not proposed. OB/waste proposed for backfilling	Encountered Intercalations/waste, Screened waste fines, used for Backfilling of mined out area	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1, Non Lease area = Nil	Lease area = 1, Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None, OB/waste to be used for backfilling.	OB/waste used for backfilling.	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	01	01	
4g	Number of dumps established.	02	02	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall to be constructed at Toe of Dump	Retaining wall constructed at Toe of Dump	
4j	Number of settling ponds	01	04	
4k	Specific comments of inspecting officer on waste dump management			OB/waste being utilized 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.	Back filling is proposed only after complete extraction of ore	Back filling is done only after complete extraction of ore	

5b	Area under backfilling of mined out area	9.31 Ha.	About 6.2 Ha.	Due to less production of ore, less quantity of intercalation/waste reported generated
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil not proposed to be generated/utilization	Top soil was not generated/utilized. However, Overburden used for Stabilizing of Back filled areas and Plantation purpose	
5d	Total area fully reclaimed and rehabilitated	Not specified	41.8 ha. area reported reclaimed and rehabilitated so far	As per Annual Return submitted for FY 2020-21
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Backfilling being carried out after full extraction of mineral. Overburden/waste being used for restoration or rehabilitation of mined out area	

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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 ,Submitted through email	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha).	9.31 HA	4.5 HA	As reported, less production of ore, and less quantity of intercalation/waste reported generated due to Covid-19 restrictions. Hence, only 6.2Ha was Backfilled and plantation carried out over 4.5 Ha. area
6d	No. of saplings planted during the year	7000 Saplings	5200 saplings	

6e	Cumulative no .of plants	-	41930 nos.	
6f	Any other method of rehabilitation		Organic manure (Cow dung, Goat droppings etc.) reported being collected and used during plantation	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	9.31 Ha.	6.2 Ha.	As reported, less production of ore and less quantity of intercalation/ waste reported generated due to Covid-19 restrictions. Hence, only 6.2Ha was Backfilled
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring of Environmental Parameters Proposed	Monitoring of Environmental Parameters being done periodically; parameters were within permissible limit	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Overburden/waste being used for restoration or rehabilitation of mined out area. During FY 2020-21, 125187 te of waste fines reported used for backfilling of the dematerialized voids.	

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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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	Dry Crushing & Screening with Mobile Screening Plant
7c	Different grade of mineral sorted out at mines.	yes	< 40 % Al <sub>2</sub> O <sub>3</sub> 40- 45 % Al <sub>2</sub> O <sub>3</sub> 45-50% Al <sub>2</sub> O <sub>3</sub>
7d	Any beneficiation process at mines	No	No
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Grade wise sorting of mineral being carried out within the lease area by Mechanical dry processing through Mobile Crushing & Screening plants.

## Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
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)	Phased restoration, reclamation and rehabilitation of lands Proposed by backfilling & plantation	Phased restoration, reclamation and rehabilitation of lands being Carried out after Float Ore mining through Back filling and Plantation
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	41930 nos. cumulative plantation & 5200 saplings additional plantation reported done in FY 2020-21
8g	Survival rate	-	75%
8h	Water sprinkling on roads to control airborne dust	Proposed	Water Sprinkling being carried out on haul roads by using 3 No of water Tankers
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area observed to be good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR being Submitted; AR Submitted up to = Fy 20-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager/ Mining Engineer in charge -G.R Nagaraja; Geologist in charge- Girish patil	Mining Engineer, Geologist and Manager are employed	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area already exploited & abandoned - 45.5 HA Area under pit Reclaimed area 41.8 HA Waste disposal 1.0 HA Roads Buildings 2.2 HA	Area already exploited & abandoned - 45.5 HA Area under pit - 6.2HA Reclaimed area 41.8 HA Waste disposal 1.0 HA Roads Buildings 2.2 HA	As per Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	5200 Nos.	5200 Nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Closing stock-Nil, Processed ore Closing stock:-Al2O3 40%-45%- 52037.915 MT, 45%-50% - 26354.495 MT	ROM Closing stock-Nil, Processed ore Closing stock:-Al2O3 40%-45%- 52037.915 MT, 45%-50% - 26354.495 MT	As per Annual Return submitted for FY 2020-21
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price: Al2O3 40-45% - Rs 819.7 /Te; Sale value- Rs 130851100; Qty - 159632.440 MT COP- Rs 757.03/MT	Ex. Mine price: Al2O3 40-45% - Rs 819.7 /Te; Sale value- Rs 130851100; Qty -159632.440 MT COP- Rs 757.03/MT	As per Annual Return submitted for FY 2020-21
9h	Scrutiny of Annual return on fixed assets	Value of Fixed assets Rs 560040	Value of Fixed assets Rs 560040	As per Annual Return submitted for FY 2020-21

9k      Scrutiny of      Crusher 120TPH Deployed  
Annual return on 2 units  
mining      Wheel loader  
machineries      1.6 CUM 2  
                         units  
                         Shovel  
                         Hydraulic  
                         0.9CUM 8 units  
                         Tipper 3.6CUM  
                         10 units  
                         Water Tanker  
                         8000Lit 4  
                         units

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

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines