

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-23/GOA

Mine code : 38KAR26009

- (i) Name of the Inspecting : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri L.S.Hiremath, Lessee.
Official with
Designation
- (iv) Date of Inspection : 15/02/2018
- (v) Prev.inspection date : 06/06/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHOWDAPUR**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : CHOWDAPUR
Taluka : MUDHOL
Post office : LOKAPUR
Pin Code : 587122
FAX No. :
E-mail :
Phone : 08350-40266
- (f) Police Station : LOKAPUR
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : Chowdapur Limestone Mne of Shri S.C.M.Modi
correspondance Lokapur, Tq-Mudhol
Dist-Bagalkot-587 122
3. (a) Lease Number : KAR0044
- (b) Lease area : 4.87
- (c) Period of lease : 20
- (d) Date of Expiry : 07/06/2023
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.M.Modi
 PO.:Lokapur, Tq. Mudhol,
 Distt. Bagalkot BAGALKOT
 KARNATAKA
 Phone:(08354) 40037
 FAX :

Owner : S.M.MODI
 S.M.MODI MODIMINERALS
 PO:LOKAPUR,DIST: BAGALKOT.
 BAGALKOT KARNATAKA
 Phone: NIL
 FAX : NIL

Mining Engineer

Name : GIRISH B BALLARI,Full Time
 Qualification : BE MINING
 Appointment/ : 01/08/2013
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	03/12/2002
Plan/Scheme of Mining		Modif.of approved Mining Plan	22/08/2006
		Mining Scheme rule 12 MCDR1988	01/02/2008
		Mining Scheme rule 12 MCDR1988	11/04/2012
		MP modif under 17(3) MCR 2016	27/12/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was a proposal to drill two boreholes in the year 2012-13.	Lessee has drilled four boreholes in the year 2016-17.	
1b	Exploration over lease area for geological axis 1 or 2	No proposal in the year 2016-17.	Entire area is explored under G-1 level of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Exploration is carried out by lessee through M/s Geotech,Pvt, Nagpur. Expenditure incurred is Rs 1.40 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire area is explored under G-1 level.
1e	Balance reserve as on 01/04/20		Reserves/reources of limestone is as follows. Reserves 1947593 tons Remaining Resources 1255088 tons	
1f	General remarks of inspecting officers on geology, exploration etc		Entire area is explored under G-1 level of exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the year 2017-18 working was proposed b/w co-ordinates N-1788590 to 1788680 and E-539480 to 539560 and N-1788500 to 1788550 and E-539400 to 539550.	Working is carried out b/w co-ordinates N-1788550 to N1788570 and E-539425 to 539445.	Working has been not carried out as per the proposal and violation is pointed out for the same.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were developed in ore only.	
2c	Stripping ratio or ore to OB ratio	1:0.10 in the year 2017-18	1:0.015	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1940	25	The mine is not working due to proposed railway line is passing within the lease area.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Working has been not carried out as per the proposal and violation is pointed out for the same.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In single pit working was proposed in two places.	Working has been carried out in one place only.	Violation is pointed out for not working as per the proposal.
3b	Quantity of ROM mineral production proposed	35000 tons in the year 2017-18	2975 tons	The less production is due to mine is not working since the proposed railway line is passing within the lease area.
3c	Recovery of sailable/usable mineral from ROM production	90%	95%	
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	Manual	Manual
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	Yes	Lessee is doing drilling and blasting as per the proposal.
3k	Provision of mining machineries in mineral benches	One excavator is proposed.	The mine was not working during field visit and no machineries were found in mineral benches.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Bench height is almost maintained as per the proposal.
3m	Total area covered under excavation/pits		2.80ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.015
3o	Total area put in use under different heads at the end of year		Area under mining- 2.80Ha, dumping & Mineral storage-0.10ha, Roads-0.10Ha, Infrastructure-0.01Ha.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 35000 tons 2016-17 35000 tons 2015-16 35000 tons 2014-15 35000 tons 2013-14 35000 tons	2017-18 2975 tons 2016-17 35000 tons 2015-16 33065 tons 2014-15 25055 tons 2013-14 21413 tons

3q General remarks of inspecting officers on method of mining etc.

In the approved document mining was proposed in two places. However working was carried out in the one place and not as per the proposal and violation is pointed out for the same.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil and mineral reject was proposed in the plan period and OB dumping is proposed separately.	OB is dumped separately.	OB was dumped separately but not as per the proposal and violation is pointed out for the same.
4b	Location of topsoil, OB and mineral reject dumps	OB dump is proposed in the South westren part of the lease area.	OB was dumped in South eastern part of the lease area.	Violation is pointed out for the same.
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.		One outside the lease area near mazine and two small dumps were made in the western part of the lesae area out of two one is outside the lease adjacent to lease boundary.	Violation is pointed out for not dumping as per the proposal.
4g	Number of dumps established.	one	one	Three old dumps are there one is near mazine (outside the lease) and two small dumps in the western part of the lease area.
4h	Whether Retaining wall or garland drain all along dumps are there.	One parapet wall is proposed in the plan period.	Nil	Dump is not formed as per the proposal and size of the dump is small only. So retaining wall is not construced in the year 2017-18.

4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	One old retaining wall is exist in the eastern part of the lease boundary.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management		The dumping was not made as per the proposal and violation is pointed out for the same.	

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.		Mineral is not extracted up to the proved depth.	No backfilling is proposed in the present plan period.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mineral is not extracted upto the proved depth and no bacckfilling is proposed in the present plan period.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Ist july of every year.	Yearly report on PMCP is not submitted for the year 2016-17 and violation is pointed out for the same.
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.047Ha	0.050Ha
6d	No. of saplings planted during the year	50 in the year 2017-18	60 to 70 plants.
6e	Cumulative no .of plants		about 200 plants.
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)		The mine is not working due to Conversion of agriculture land into non-agriculture land is pending. However lessee is regularly monitoring parameters of air, water and noise and all the parameters are within permissible limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Lessee has not submitted yearly report on PMCP for the year 2016-17 and violation is pointed out for the same. Lessee is regularly monitoring parameters of air, water and noise and all the parameters are with in permissible limit.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		About 24226 tons of cement grade ore is despatched in the year 2016-17.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	Lessee is doing only size separation by manually.
7c	Different grade of mineral sorted out at mines.		Only cement grade	
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is doing only size separation by manually. Further lessee is blending lowgrade ore with high grade ore suitably as per market requirement.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	About 450 tons of topsoil was proposed in the year 2017-18.	Due to NA problem mine was not working on nov 2017 onwards and upto november also production is very less and mining is carriedout in brokenup area only. so no topsoil is removed in the year 2017-18 upto jan-18.	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		OB is dumped separately .	Duming is not made as per the proposal and violationis pointed out for the same.
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 and additional plantation done (Rule 41)		About 200 plants were planted in the lease area.
8g	Survival rate		40 to 50%
8h	Water sprinkling on roads to control airborne dust		The mine is not working and lessee is using water tanker for suppression of dust when mine is in operation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The lease area is degraded by mining. Plantation is made all along the lease boundary but not maintained properly. Lessee is advised to take care of the plantation by regular watering.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annual resturns.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer is shown as Shri Girish Ballari.	As per the office records Girish ballari is the Mining engineer of the said mine as mentioned in the annual returns 2016-17.	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area exploited- 2.00Ha, under current working-1.5Ha, waste disposal 0.5ha and infrastructure -0.4ha.	The land use details are not properly given in the annual returns and violation is pointed out for the same.
9d	Scrutiny of Annual return on afforestation	100 plants were shown.	matching.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject is observed.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	About 29429 tons of cement grade ore is shown under closing stock.	Compare to production and despatch stock position is almost matching.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value and exmine price is shown as, Rs- 364/ton, cost of production- Rs 180/ton.	Sale value is checked and found correct.
9h	Scrutiny of Annual return on fixed assets		Value of fixed asset is not properly shown and lessee is advised to rectify the same.
9k	Scrutiny of Annual return on mining machineries	No machineries were shown in the annual returns submitted for the year 2016-17.	During inspection mine was not working and no machineries were observed.

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)	28/02/2018	MCDR17	Rule 11(1)	28/02/2018
MCDR17	Rule 26(2)	28/02/2018	MCDR17	Rule 26(2)	28/02/2018
MCDR17	Rule 27(1)	28/02/2018	MCDR17	Rule 27(1)	28/02/2018
MCDR17	Rule 27(2)	28/02/2018	MCDR17	Rule 27(2)	28/02/2018
MCDR17	Rule 31(4)	28/02/2018	MCDR17	Rule 31(4)	28/02/2018
MCDR17	Rule 45(7)(a)	28/02/2018	MCDR17	Rule 45(7)	28/02/2018

Date :

(KALMATA M.K.)

Indian Bureau of Mines