

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BGM/LST-20/GOA

Mine code : 38KAR02026

- (i) Name of the Inspecting : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri R.S.Joshi, Lessee's representative.
Official with
Designation
- (iv) Date of Inspection : 24-AUG-18
- (v) Prev.inspection date : 11-JAN-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAMAKERI (ML2438)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BELGAUM
- Village : KAMAKEERI
- Taluka : RAMDURG
- Post office : KAMKERI
- Pin Code :
- FAX No. : 08350-240171
- E-mail : sudhaminerals@gmail.com
- Phone : 08350-240171
- (f) Police Station : Lokapur
- (g) First opening date : 08-MAR-04
- (h) Weekly day of rest : TUE
2. Address for : M/s Sudha Minerals
correspondance : At-Kamakeri, Tq- Ramadurg
Dist-Belgaum, Karnataka
3. (a) Lease Number : KAR1385
- (b) Lease area : 4.08
- (c) Period of lease : 20
- (d) Date of Expiry : 16-JAN-24
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : RAMANNA SIDDAPPA PUJARI
 POST - JADAR ARLIKATTI,
 TALUKA - MUDHOL, DISTRICT -
 BAGALKOT BAGALKOT KARNATAKA
 Phone:08350-340407
 FAX :

Owner : RAMANNA S. PUJARI
 M/s Sudha Minerals Mudhol
 Road, At & Po-Lokapur Tq-
 Mudhol, Dist-Bagalkot
 BAGALKOT KARNATAKA
 Phone: 08350-240407 (R
 FAX :

Geologist

Name : A.Shivram,Part Time
 Qualification : Msc, Geology
 Appointment/ : 01-JUL-16
 Termination date

Manager

Name : Shri Gopal Pujari
 Qualification : Mine Mate certificate holder
 Appointment/ : 25-NOV-11
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-OCT-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	03-JAN-06
		Modif.of approved Mining Plan	20-NOV-07
		Mining Scheme rule 12 MCDR1988	19-AUG-08
		Mining Scheme rule 12 MCDR1988	22-JAN-14
		MP modif under 17(3) MCR 2016	20-FEB-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Eight DTH boreholes were proposed in the scheme period.	Six Coreholes were drilled in the year 2017-18.	
1b	Exploration over lease area for geological axis 1 or 2	Entire area was proposed to explore under G-1 level.	Entire area is explored under G-1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Exploration was carried out by lessee himself and expenditure incurred is about 1.8 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Entire area is explored under G-1 level.	
1e	Balance reserve as on 01/04/20		Limestone reserves as on 01.04.2018. Reserves- 272909 tons Resorces- 245621 tons	
1f	General remarks of inspecting officers on geology, exploration etc		Entire area was explored under G-1 level of exploration. However lessee was advised to put few deep holes to know the continuity of the ore body.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There was a proposal to work between the co-ordinates 130N to 170N and 100E to 300E	Working has been not carried out as per the proposal.	Violation and showcause was issued by JMG for the same in earlier inspection. so no fresh violation was pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were made in ore only.Waste is found as intercalated waste.	

2c	Stripping ratio or ore to OB ratio	1:0.05	Nil	No intercalated waste was generated in the year 2017-18 and recovery was 100 percent.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	658	Nil	No intercalated waste was generated and recovery was 100 percent.
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 was pointed out by the JMG in the recent inspection. so no fresh violation was pointed out.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	24995 tons of limeston in the year 2017-18.	24990 tons	
3c	Recovery of sailable/usable mineral from ROM production	95%	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	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	yes	
3k	Provision of mining machineries in mineral benches	No	No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mtrs	Bench height was not maintained as per the proposal.	Violation and showcause was issued by JMG for the same in earlier inspection. so no fresh violation was pointed out.
3m	Total area covered under excavation/pits		1.85 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	Nil	No intercalated waste was handled and recovery was 100%.
3o	Total area put in use under different heads at the end of year		Area under mining- 1.85Ha, Infrastructure- 0.1Ha, Roads-0.2Ha.	
3p	Production of ROM mineral during the last five year period as applicable	Limestone 2017-18 24995 tons 2016-17 25014 tons 2015-16 25013 tons 2014-15 24997 tons 2013-14 24998 tons	2017-18 24990 tons 2016-17 12200 tons 2015-16 8600 tons 2014-15 11900 tons 2013-14 1950 tons	

3q General remarks of inspecting officers on method of mining etc. Benches were not maintained as per the proposal and lessee has advised to for the benches as per the proposal. However violation was pointed out for the same by the JMG in recent inspection. So no fresh violation was issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only OB dump was proposed.	OB was not dumped as per the proposal.	Waste generated was utilized for road repair and making bund in 7.5mtr safety zone.
4b	Location of topsoil, OB and mineral reject dumps	Dumping was proposed b/w co-ordinates N-130 to N-180 and E-300 to E-350	Dumping was not made as per the proposal.	Waste generated was utilized for making bund in the 7.5mtr safety zone and road repair.
4c	Number of dumps within lease area and outside of lease area	One	Nil	waste generated in the last plan period was less only and same was utilized for making bund in 7.5mtr safety zone and repair of road.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL.	No dump was formed.	waste generated in the last plan period was less only and same was utilized for making bund in 7.5mtr safety zone and repair of road.
4e	Number of active and alive dumps.	One	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Parapet wall proposed	Parapet wall has constructed on Northern side of Lease boundary
4i	Length of Retaining wall or garland drain all along dumps	165 m Parapet wall	140 m Parapet wall
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		Generation of waste was very less in the last plan period and generated waste was utilized for making bund in 7.5 mtr safety zone and repair of roads.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	The mine is not worked upto proved depth and no Proposal was given for backfilling.	No backfilling was done.	
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 mine was not worked upto the proved depth and no backfilling was proposed.	

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Before 1st july of every year.	lessee has submitted report on PMCP for the year 2017-18.
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.005	0.02
6d	No. of saplings planted during the year	50	100
6e	Cumulative no .of plants		3000
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 (Lx 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 working manually and impact on environment is negligible.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation is made along the 7,5mtr safety zone and lessee is taking care of the plantation by regular monitoring.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		Lessee is sorting the ore manually within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.		BF grade and cement grade.	

7d	Any beneficiation process at mines .	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is sorting ore manually. Lessee is blending lowgrade ore with highgrade ore as per the requirement of the buyor.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate OB dump was proposed.	Generation of waste was very less and same is utilized for making bund in 7.5mtr safety zone and repair of road.	
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 3000 plantation was made within the lease area.	
8g	Survival rate		70 to 80%	

8h	Water sprinkling on roads to control airborne dust	Mine is working manually and generation of airborne dust is negligible. however lessee is using water tanker for wetting roads to control airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation is made in and around the lease area and lessee is regularly monitoring the plantation.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annual returns.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mininmg engineer- Nil and Geologist- Shri A. shivram.	As per the records information given on mining engineer and geologist is found correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-1.85ha, Infrastructure -0.3ha and dumps-0.219ha.	During field visit it was observed that no dumping was made in the leases area. Lessee was advised to rectify the same.	
9d	Scrutiny of Annual return on afforestation	100	matching	
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	About-2620 tons of BF grade ore was shown as closing stock.	approximately 2500 tons stock was observed	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value- Rs, 283 to 480/tons , exmine price was shown as Rs, 460/ton and cost of production as Rs-282/ton.	Some invoice were checked and it was matching.
9h	Scrutiny of Annual return on fixed assets	Rs-1470000	
9k	Scrutiny of Annual return on mining machineries	Only air compressor was shown.	Mine is working manually 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 55(1) (3)	07-SEP-18			

Date :

(KALMATA M.K.)

Indian Bureau of Mines