

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

**Review and updation of Mining Plan REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-102/GOA

**Mine code :** 38KAR26086

- (i) Name of the Inspecting : **K07** ) **KRISHNENDU CHATTERJEE**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/SHRI. C.M.DESAI, PROPRIETOR AND G.HARENDRA, TQP  
Official with  
Designation
- (iv) Date of Inspection : 03-MAR-20
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAGANPUR LST & DOL MINE**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANPUR
- Taluka : MUDHOL
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 03-JAN-11
- (h) **Weekly day of rest** : SUN
2. **Address for** :
- correspondance**
3. (a) **Lease Number** : KAR1665
- (b) **Lease area** : 4.85
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 02-JAN-31
4. **Mineral worked** : DOLOMITE Associated  
LIMESTONE Main

5. Name and Address of the

Lessee : SOMALINGESHWARA STONE POWDER IND.  
VILLAGE- NAGANPUR, P.O.-  
LOKAPUR, MUDHOL BAGALKOT  
KARNATAKA  
Phone:  
FAX :

Owner : C.M.DESAI  
BAGALKOT KARNATAKA  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 05-NOV-09  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 09-AUG-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 nos. of core boreholes	06 nos. of core boreholes drilled in 2018-19.	
1b	Exploration over lease area for geological axis 1 or 2	G1 stage proposed.	G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	By Lessee. Rs. 325,000/- against drilled 6 nos. of core boreholes.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1	G1 achieved.	
1e	Balance reserve as on 01/04/20		0.35 million tonnes of Limestone and 1.1 million tonnes of Dolomite.	As on 01.04.2019
1f	General remarks of inspecting officers on geology, exploration etc		Entire mineralized area was explored by the lessee under G1 level by drilling with 2 nos. of DTH holes and 6 nos. of core boreholes.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1788300 to N 1794500 E 536700 to E 536960 in Limestone pit	No change in development location.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Found to be maintained	
2c	Stripping ratio or ore to OB ratio	1: 0.05	Not Applicable as no production reported in 2018-19.	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

2e	Quantity of overburden generation in m3	421 m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No production reported in 2018-19. Mine was suspended in 05.10.2018 under the provision of rule 12(2) of MCDR, 2017 by IBM and the same was revoked in 17.07.2019.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two nos. of pits proposed.	Two nos. of pits located at Eastern side and western side of the ML area.	Dimension of Eastern pit: 100m x 75m x 12m. Dimension of Western pit: 90m x 70m x 10m
3b	Quantity of ROM mineral production proposed	20,000 tonnes of Limestone	Nil	No production reported in 2018-19.
3c	Recovery of sailable/usable mineral from ROM production	95% proposed for Limestone	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual mining proposed	Manual mining adopted.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal given	Nil	
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed	Nil	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	Manual mining operation proposed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height proposed	Average bench height of 4 to 5m.	Violation of Rule 11(1) issued.
3m	Total area covered under excavation/pits	2.2 Ha. proposed.	1.4 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.05	Not Applicable as no production reported in 2018-19.	
3o	Total area put in use under different heads at the end of year	Mining: 2.20 Mineral stock: 0.27 Road and Infrastructure : 0.05. Safety zone: 0.73 (in Ha.)	Mining: 1.4 Mineral stock: 0.2 Road and Infrastructure: 0.01 Safety zone: 0.70 (in Ha.)	
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 5,000 2015-16: 5,000 2016-17: 20,000 2017-18: 20,000 2018-19: 20,000 ( in tonnes)	2014-15: 2,537 2015-16: Nil 2016-17: 3,000 2017-18: 5,000 2018-19: Nil ( in tonnes)	For mineral Limestone
3q	General remarks of inspecting officers on method of mining etc.		During the course of inspection it was found that, at places, height of the working benches were maintained at 4 to 5m. Violation of rule 11(1) issued to the lessee dated 23.03.2020.	

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate disposal of waste was proposed to construct safety bund along the ML boundary.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	OB proposed to make safety bund and maintenance of mine road	Nil during 2018-19	
4c	Number of dumps within lease area and outside of lease area	One dump	One small old dump present at southern side of the ML area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Construct safety bund along the ML boundary proposed.	Constructed earlier as per the proposal.	
4i	Length of Retaining wall or garland drain all along dumps	100m safety bund proposed along the ML boundary.	Constructed as per the proposal.	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management		No waste generation during 2018-19; however earlier generated waste was being utilized to make embankment along the safety barrier and for repairing of mine haul roads.	

## Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Nil as the mine pits were not matured for backfilling.
5b	Area under backfilling of mined out area	No proposal	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil proposed.	Nil during 2018-19
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine pits were not matured for backfilling since mineral persists at the bottom of mine workings.

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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).	Proposed.	Submitted for F.Y. 2018-19	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.033 Ha.	0.03 Ha.	
6d	No. of saplings planted during the year	50nos. proposed.	100 nos. planted within ML area.	
6e	Cumulative no .of plants	Not specified.	Apprx. 400 nos. within ML area along the safety barrier.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Not specified.	Rs. 7,000/- as reported by the lessee.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable



6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed to be carried out twice a year.	Carried out on half yearly basis by the lessee through approved third party and parameters were found within permissible limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The mine was working manually and impact on environment is negligible. However monitoring was carried out as per schedule through approved third party.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch after manual sorting and sizing.	104.82 tonnes of BF grade limestone dispatched in 2018-19.	Nil Limestone ROM production in the year 2018-19.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Proposed for all +34% CaO.	Nil during 2018-19.	
7d	Any beneficiation process at mines	No such proposal given.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No deviation in respect of mineral conservation was observed during the course of inspection dated 03.03.2020.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed.	Top soil earlier used for plantation along the safety barrier zone.
8b	Concurrent use or storage of topsoil	Proposed for afforestation.	Nil as no top soil generation in 2018-19.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste not proposed	Generated waste was being utilized to make embankment along the safety barrier and for repairing of mine haul roads.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal given in conceptual stage after completely extraction of ore.	Not applicable since mine pits were not matured for backfilling.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed.	Apprx. 400 nos. saplings were planted within ML so far along the safety barrier.
8g	Survival rate	Not specified.	60 to 70%
8h	Water sprinkling on roads to control airborne dust	Proposed in mine haul roads.	Water sprinkling arrangement on mine haul road made.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area is good and impact on environment due to mining operation is very less due to small scale manual mining operation.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to Feb. 2020 & A.R. Submitted up to 2018-2019.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil information furnished for mining engineer and for Geologist. Manager: Shri B. Shankar	No part-time Mining Engineer and part-time Geologist were found appointed	Violation of rule 55(1) (3) was issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 1.37 Other purpose: 0.06 (in Ha.)	Mining: 1.4 Mineral stock: 0.2 Road and Infrastructure: 0.01 Safety zone: 0.70 (in Ha.)	
9d	Scrutiny of Annual return on afforestation	100 nos. within ML area	No change.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation in 2018-19.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: Nil Graded ore closing Stocks, BF grade Limestone: 7197.865 tonnes	Actuals also same at that time; 104.82 tonnes of BF grade limestone was dispatched in 2018-19.	Opening stock of BF grade Limestone was 7302.685 tonnes. No Limestone ROM production reported in 2018-19.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price: Rs. 425/ tonne for BF grade Limestone. Production cost: Nil	Appear to be correct. No ROM production reported in 2018-19.	BF Grade Limestone dispatched in 2018-19 reported as 104.820 tonnes.
9h	Scrutiny of Annual return on fixed assets	Not furnished.	Lessee was advised to mentioned the value of fixed assets in the AR.	
9k	Scrutiny of Annual return on mining machineries	01 no. of Air Compressor.	No change, Manual mining operation.	

**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)	23-MAR-20			
MCDR17	Rule 35(2)	23-MAR-20			
MCDR17	Rule 55(1)(3)	23-MAR-20			

**Date :**

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines