

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

MCDR inspection REPORT

Goa regional office

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

Mine code : 38KAR26086

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri. C.M. Desai, Mines Owner
Official with
Designation
- (iv) Date of Inspection : 21/04/2018
- (v) Prev.inspection date : 18/02/2016

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 : 03/01/2011
- (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 : 02/01/2031
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 05/11/2009
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 09/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 Core Borehole Proposed in 2017-2018	No Bore hole has been drilled	Violation has pointed out under Rule 11(1)
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Nil. No Borehole has been drilled	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	By Lessee himself. Proposed about 2.0 lakhs for exploration	No Borehole has been drilled as per proposal	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Lease area 4.86 hect	Nil	
1e	Balance reserve as on 01/04/20	As on 01/04/2018 Proved Mineral Reserves (111) = 107000 Tons Pre-Feasibility Mineral Resources (221 & 222) = 43000 Tons	As on 01/04/2018 Proved Mineral Reserves (111) = 115000 Tons Pre-Feasibility Mineral Resources (221 & 222) = 43000 Tons	
1f	General remarks of inspecting officers on geology, exploration etc	It is part of kaladgi basin which belongs to Upper Cuddapag system	The deposit is litho unit of Lokapur sub group of Bagalkot group which belongs to Kaladgi Super group	Entire Lease is having same Geology and Mineralogy is changes from place to place. Hence borehole has to be drilled at closer interval to get quantity, quality and to find contact zone of Limestone & Dolomite

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development is only intercalated waste, i.e. nearer to the section line F-F'	Working is not as per proposal	Violation has pointed out under Rule 11(1)
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no separate benches for Topsoil, OB. 2 Benches for Limestone with 3m height	Limestone Bench is 5-6m height	Violation has been issued for not Maintance the bench height properly
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.05	
2d	Quantity of topsoil generation in m3	No Proposal	Nil	
2e	Quantity of overburden generation in m3	No Proposal	Nil	There is no OB waste only Intercalated waste is present
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Basic Field Observation are 0.1 to 0.5m Topsoil, upto 7m work out pit for Limestone	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production in one pit was proposed.	Single Pit is present	
3b	Quantity of ROM mineral production proposed	8000 Tons	5000 tons	
3c	Recovery of sailable/usable mineral from ROM production	95%	90%	
3d	Quantity of mineral reject generation	There is no mineral reject generation	There is no mineral reject generation	

3e	Grade of mineral rejects generation and threshold value declared.	Mineral reject - No Proposal Threshold Value for Mineral rejects is not Declared	Mineral reject - No Proposal Threshold Value for Mineral rejects is not Declared	
3f	Quantity of sub grade mineral generation.	No Sub Grade Generation	No Sub Grade Generation	
3g	Grade of sub grade mineral generation	There is No Proposal for Subgrade Mineral Generation	There is No Generation of Subgrade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Mining	Manual Mining	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Benefication Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	
3j	Provision of drilling and blasting in mineral benches	Spacing - 1.25m Burden - 1.0m Depth - 3.0m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	As per proposal the drilling and blasting are done	
3k	Provision of mining machineries in mineral benches	Jack Hammer - 1 Tracker Compressor - 1	Jack Hammer - 1 Tracker Compressor - 1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 3.0 m	Height - 5 to 6m	Violation has pointed out under Rule 11(1)
3m	Total area covered under excavation/pits	2.00 hect	1.90 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.05	1 : 0.05	

3o	Total area put in use under different heads at the end of year	Landuse Pattern 01/04/2018 Area under Mining = 2.00 Hect Dump = 0.056 Hect Road = 0.050 Hect 7.5m safety barrier = 0.730 Hect	Landuse Pattern 01/04/2018 Area under Mining = 1.90 Hect Dump = 0.056 Hect Road = 0.050 Hect 7.5m safety barrier = 0.730 Hect
3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 20000 tons 2016-2017 = 20000 tons 2015-2016 = 5000 tons 2014-2015 = 5000 tons 2013-2014 = 5000 tons	2017-2018 = 5000 tons 2016-2017 = 3000 tons 2015-2016 = 2409 tons 2014-2015 = 2537 tons 2013-2014 = 5557 tons
3q	General remarks of inspecting officers on method of mining etc.	Manual Working	Manual Working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Dumping has been proposed for topsoil, OB & Mineral rejects	Intercalated waste are used for strengthening of mines road	
4b	Location of topsoil, OB and mineral reject dumps	Southern Side of Lease area	As per proposal dump is present	
4c	Number of dumps within lease area and outside of lease area	One Dump Proposed within Lease area	One Dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southern Side of the Lease area outside UPL	Outside the UPL	
4e	Number of active and alive dumps.	Single Active Dump	Single Active Dump	
4f	Number of dead dumps.	No Proposal	Nil	

4g	Number of dumps established.	Single	Single	
4h	Whether Retaining wall or garland drain all along dumps are there.	There is proposal for Retaining Wall	No Retaining Wall has been formed	Violation has pointed out under Rule 11(1)
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall = 100m	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Single Dump Proposed	Dump has been formed	

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.	No Proposal for Backfilling	No Backfilling done	
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)	No Proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Backfilling	No Backfilling	

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).	To be submitted before 30th July of every year	Not Submitted for the year 2015-2016 & 2016-2017	Violation has pointed out under Rule 26(2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.033 ha	0.020 ha	
6d	No. of saplings planted during the year	50 saplings proposed	50 saplings planted	
6e	Cumulative no .of plants	250 saplings proposed during 2011-2016	250 saplings planted during 2011-2016	
6f	Any other method of rehabilitation	No Proposal	Nil	
6g	Cost incurred on watch and care during the year	1.00 lakhs	0.50 lakhs	
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 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)	Quartely Environmental Monitoring Proposal	Quartely Environmental Monitoring is done by Private Consultant
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	20000 tons	5000 tons	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Cao = +35%	Cao = +35%	

7d	Any beneficiation process at mines .	Manually Sorting and Sizing is Proposed	Manually Sorting and Sizing is being done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is Proposal for separatly remove and utilized the topsoil.	There is Little Soil Cover, separatly remove and utilized.	
8b	Concurrent use or storage of topsoil	Concurrent Use	Concurrent Use for plantation all along safety barrier	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump is Intercalated waste	Dump is present	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	At present there is no proposal for restoring.	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)	50 Sapling/ Year	50 Sapling/ Year
8g	Survival rate	No Proposal	60%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed	Water spray is done during inspection
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Topography of the ML area is flat terrain with rockly exposure and interim soil.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not Submitted	Monthly and Annual returns are not submitted for last two years	Violation has been issued
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Monthly and Annual returns are not submitted for last two years	Nil	Violation has been issued
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Monthly and Annual returns are not submitted for last two years	Nil	
9d	Scrutiny of Annual return on afforestation	Monthly and Annual returns are not submitted for last two years	50 Saplings planted 2017-2018	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Monthly and Annual returns are not submitted for last two years		There is no Mineral Rejects generation

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Monthly and Annual returns are not submitted for last two years	20000 tons has been proposed and achieved 5000 tons, because of no valid EC
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Monthly and Annual returns are not submitted for last two years	Nil
9h	Scrutiny of Annual return on fixed assets	Monthly and Annual returns are not submitted for last two years	Nil
9k	Scrutiny of Annual return on mining machineries	Monthly and Annual returns are not submitted for last two years	Nil

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)	03/05/2018			
MCDR17	Rule 26(2)	03/05/2018			
MCDR17	Rule 27(1)	03/05/2018			
MCDR17	Rule 27(2)	03/05/2018			
MCDR17	Rule 33	03/05/2018			
MCDR17	Rule 35(2)	03/05/2018			
MCDR17	Rule 45(1)	03/05/2018			
MCDR17	Rule 55(1)(3)	03/05/2018			

Date :

(G. S. KANNAN)

Indian Bureau of Mines