

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

**MCDR INSPECTION REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-100/GOA

**Mine code :** 38KAR26080

- (i) Name of the Inspecting : **K03** ) **G. S. KANNAN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.V.R.Patil, Lessee's Son  
Official with  
Designation
- (iv) Date of Inspection : 07/06/2016
- (v) Prev.inspection date : 17/07/2013

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUDDAPUR LST. & DOL. MINE**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : KARNATAKA  
District : BAGALKOT  
Village : MUDDAPUR  
Taluka : MUDHOL  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station : LOKAPUR
- (g) First opening date : 23/08/2010
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE: MUDDAPUR, TQ: MUDHOL  
correspondance : DIST: BAGALKOT  
KARNATAKA
3. (a) Lease Number : KAR1659
- (b) Lease area : 4.85
- (c) Period of lease : 20
- (d) Date of Expiry : 30/07/2030
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : VENKATESH S. PATIL  
 TALUKA-MUDHOL, DISTRICT-  
 BAGALKOT, KARNATAKA-587 313  
 BAGALKOT KARNATAKA  
 Phone:+91 9945500501  
 FAX :

Owner : SHRI VENKATESH S PATIL  
 M/S SUNDAR MINERALS  
 INDUSTRIALS ANAND  
 NAGAR,MUDHOL DIST: BAGALKOT  
 BAGALKOT KARNATAKA  
 Phone:  
 FAX :

## Manager

Name : SHRI BASWARAJ  
 Qualification : MINE MATE & PERMIT MANAGER CERTIFICATE  
 Appointment/ : 01/06/2011  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	08/05/2009
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	06/05/2014
	:	Mining Scheme rule 12 MCDR1988	20/03/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 Boreholes has proposed	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Geological Axis-1	Geological Axis-2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	1 Lakhs	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.65 Hect	Nil	
1e	Balance reserve as on 01/04/20	Reserves as on 01/04/2016 Proved (111)= 182263 Tons Probable (122) = 205935 Tons Feasibility (211) = 38850 Tons Pre-Feasibility (222) = 13808 Tons Inferred (333) = 105353 Tons	Reserves as on 01/04/2016 Proved (111)= 187463 Tons Probable (122) = 205935 Tons Feasibility (211) = 38850 Tons Pre-Feasibility (222) = 13808 Tons Inferred (333) = 105353 Tons	
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Geologically the area is more disturbed by Murram with Limestone	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northeastern Side of Pit	Northeastern Side of Pit	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no proposals for seperate Benchs	There is no proposals for seperate Benchs
2c	Stripping ratio or ore to OB ratio	1 : 0.08	1 : 0.05
2d	Quantity of topsoil generation in m3	97 Cu.m or 195 Tons	Nil
2e	Quantity of overburden generation in m3	5334 Tons	1500 Tons
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 11m work out pit for Limestone, simultaneously murram also in limestone pit

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit	Single Pit	
3b	Quantity of ROM mineral production proposed	10000 Tons	4800 Tons	
3c	Recovery of sailable/usable mineral from ROM production	60%	55%	
3d	Quantity of mineral reject generation	5334 Tons	1500 Tons	Mineral reject/ OB are same
3e	Grade of mineral rejects generation and threshold value declared.	There is no Mineral Rejects	Nil	
3f	Quantity of sub grade mineral generation.	No Sub Grade Mineral is Generated	Nil	

3g	Grade of sub grade mineral generation	There is no Sub Grade Mineral	There is no Sub Grade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Mine	Manual Mine	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Benefication Study has been Carried out	Nil	
3j	Provision of drilling and blasting in mineral benches	Spacing - 1.0m Burden - 0.90m Depth - 1.50m	Spacing - 1.0m Burden - 0.90m Depth - 1.50m	
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 & Width - 3m	Height & Width - 4to5m	
3m	Total area covered under excavation/pits	2.00 hect	2.10 hect	Total Area includes Dolomite Pit also
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.08	1 : 0.05	
3o	Total area put in use under different heads at the end of year	Land use Pattern in Hects Mining = 2.00 Top Soil Storage = 0.10 Dumping = 0.22 Mineral Stack = 0.05 Office = 0.01 Roads = 0.10 7.5m Saftey Zone = 0.94	Land use Pattern in Hects Mining = 2.10 Top Soil Storage = 0.00 Dumping = 0.22 Mineral Stack = 0.05 Office = 0.01 Roads = 0.10 7.5m Saftey Zone = 0.94	Landuse Pattern includes both Limestone & Dolomite

3p	Production of ROM mineral during the last five year period as applicable	2015-2016 = 10000 Tons 2014-2015 = 10000 Tons 2013-2014 = 5000 Tons 2012-2013 = 5000 Tons 2011-2012 = 5000 Tons	2015-2016 = 4800 Tons 2014-2015 = 5000 Tons 2013-2014 = 2500 Tons 2012-2013 = 4650 Tons 2011-2012 = 4520 Tons
3q	General remarks of inspecting officers on method of mining etc.	Manual working	Manual Working

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#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate Dump for Topsoil & OB	Only for OB dump is formed	
4b	Location of topsoil, OB and mineral reject dumps	Topsoil on Northern Side of Lst Pit OB on Southern Side of Lst Pit	Topsoil dump has been not formed OB on Southern Side of Lst Pit	
4c	Number of dumps within lease area and outside of lease area	Two dump Proposal inside Lease area	OB Dump only formed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Both dump are proposed within UPL area	OB Dump is Present within UPL area	
4e	Number of active and alive dumps.	Two Active Dumps	One Active Dump	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Two	Single	

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4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Nil
4i	Length of Retaining wall or garland drain all along dumps	120m x 7.5m x 3m of Retaining wall on Safety Zone	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil

#### 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.	Nil	Nil	Backfilled the minedout area in 7.5m Safety Barrier
5b	Area under backfilling of mined out area	Nil	0.010 Hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil removed seperately and spreadout on safety Zone for plantation & Dump	Fully used for Plantation	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	0.010 hect has been backfilled
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Nil	

## 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).	To be submitted before 30th July of Every Year	Not Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.14 hect	0.10 hect	
6d	No. of saplings planted during the year	140 Nos	100 Nos	
6e	Cumulative no .of plants	540	430	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	1 Lakhs	1 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)Afforestati on on backfilled area	140 Nos	100 Nos	



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	0.50 Hect	0.50 Hect
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

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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	10000 Tons	4800 Tons
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	Nil	Nil
7d	Any beneficiation process at mines	Manual Sizing & Sorting is proposed	Manual Sizing & Sorting is done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is proposal for seperately remove and utilised of topsoil	Topsoil is used for plantation	
8b	Concurrent use or storage of topsoil	Concurrent Use	Concurrent Use	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Single is proposed for OB/ Mineral rejects	Single dump is present	

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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)	No Proposal	No Additional Plantation is done
8g	Survival rate	80%	60%
8h	Water sprinkling on roads to control airborne dust	Water tanker is proposed	Water sprinkling is daily done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be Submitted	Submitted within time limit	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Proposal for appointing Mining Engineer, Geologist	No Appointment till now	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining = 1.781 Hect Waste Dump = 0.257 hect office, Road = 0.181 hect	Mining area has been advance and area has to be increase. During 2015 the waste dump area is 0.22 hect but in 2015 it is 0.257 with less waste production of 2500 tons only.	Total Land use area is not tally with mining Lease area
9d	Scrutiny of Annual return on afforestation	50 Nos	During Inspection 100 nos of plantation has been informed	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	2500 tons	2500 Tons	For both Limestone & Dolomite
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3800 Tons from Mines Head	Production figure are mismatching	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.266/- per Tons	Splitup is matching	
9h	Scrutiny of Annual return on fixed assets	Not Given	It is recommended to give fixed assets value on coming AR	
9k	Scrutiny of Annual return on mining machineries	Machineries detaila given	As avaiable in field	

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**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
Rule 13(1)	28/06/2016				
Rule 23E(2)	28/06/2016				
Rule 27(4)	28/06/2016				
Rule 42(1)(b)(ii)	28/06/2016				
Rule 63	28/06/2016				

**Date :**

**(G. S. KANNAN)**

Indian Bureau of Mines