

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

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-93/GOA

Mine code : 38KAR26073

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.Sundararajan, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 06/09/2016
- (v) Prev.inspection date : 12/06/2014

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. : 08395-240365
E-mail :
Phone : 08395-250120-130
- (f) Police Station : LOKAPUR
- (g) First opening date : 21/05/2009
- (h) Weekly day of rest :
2. Address for : H.NO.4033/H/19, 'EKADANTA', SIDDA RAMESHWAR NAGA
correspondance YADWAD ROAD
MUDHOL-587313, DIST-BAGALKOT
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : SOUTH WEST MINING LIMITED
Talur Cross, Vidya Nagar
(Post), JSW TOWNSHIP,
Torangallu, SANDUR BELLARY
KARNATAKA
Phone:08395-240350
FAX :08395-240195

Owner : M/s SOUTH WEST MINING LTD
JSW TOWNSHIP, PO-
VIDYANAGAR TORANAGALLU
BELLARY KARNATAKA
Phone: 08395-250120-13
FAX : 08395-240365

6. Date of approval of Mining : Fresh under rule 22 MCR1960 30/05/2007
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 01/12/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	14 BH has been proposed	10 BH has been drilled	
1b	Exploration over lease area for geological axis 1 or 2	G-2	G-2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	South West Mining Ltd, Geology Dept	South West Mining Ltd, Geology Dept	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	12.00 Hect	10 BH has drilled at 150-200m grid intervals
1e	Balance reserve as on 01/04/20	As on 01/04/2016 111 = 875153 tons 122 = 67491 tons 211 = 354280 tons 222 = 464099 tons 333 = 5541501 tons	As on 01/04/2016 111 = 1208856 tons 122 = 67491 tons 211 = 354280 tons 222 = 464099 tons 333 = 5541501 tons	Due to Nil production the reserves is not changed
1f	General remarks of inspecting officers on geology, exploration etc		Geologically the area is having Both Limestone & Dolomite and little clay on top.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between section line A-A' to D-D'	Nil	There is no activity from 2012-2013
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	

2c	Stripping ratio or ore to OB ratio	1:0.23	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	60384 Tons	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There is no development of pits from 2012-2013

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	265690 tons	Nil	
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	Due to there is no production the recovery is Zero
3d	Quantity of mineral reject generation	60384 Tons	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Below threshold value	Nil	
3f	Quantity of sub grade mineral generation.	13285 tons	Nil	
3g	Grade of sub grade mineral generation	+35 to 45%	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Nil	
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	Drilling Dia =115mm Spacing = 3.5m Burden = 3.0m Depth = 6.0m	Nil	
3k	Provision of mining machineries in mineral benches	Excavators, Wheel Loaders	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height = 3m, Width = 18m	Height = 3-6m	Only Single bench has been formed
3m	Total area covered under excavation/pits	3.00 hect	3.00 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.23	Nil	
3o	Total area put in use under different heads at the end of year	Mining Area = 3.50 hect OB Dump = 0.60 hect Mineral Storage = 2.45 hect Infrastructure = 0.10 hect Roads = 0.50 hect Green belt = 0.80 hect Crusher = 0.50 hect	Mining Area = 3.00 hect Mineral Storage = 2.45 hect Infrastructure = 0.10 hect Roads = 0.45 hect Crusher = 0.50 hect	

3p	Production of ROM mineral during the last five year period as applicable	2015-2016 = 265690 tons 2014-2015 = 70013 tons 2013-2014 = 499245 tons 2012-2013 = 403665 tons 2011-2012 = 351828 tons	2015-2016 = Nil 2014-2015 = Nil 2013-2014 = Nil 2012-2013 = Nil 2011-2012 = 122441 tons	
3q	General remarks of inspecting officers on method of mining etc.	Nil	Mechanised Mining.	Mines should start as soon as possible

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate Dumping propoed for topsoil, OB and Sub grade	Nil	Only Previous Plan period Subgrade stock is present
4b	Location of topsoil, OB and mineral reject dumps	After Section line E-E'	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N910-N1000/ E1530-E1645	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	

4i	Length of Retaining wall or garland drain all along dumps	Along the perperity of Dump Slope	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Hence there is Mining for last four years, the waste dump has not 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.	Nil	Nil	
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.	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	Mines is not working from 2012-2013
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.80 hec	Nil	
6d	No. of saplings planted during the year	1000/- year	Nil	
6e	Cumulative no .of plants	7000 plants	less than 500 plants	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Rs.50000/- year	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)	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	265690 tons	Nil
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	Mechanical	Nil
7c	Different grade of mineral sorted out at mines.	Nil	Nil
7d	Any beneficiation process at mines .	Crusher & Screening	Under progress
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)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Single dump is proposed for OB/ Rejects	Nil	

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	75%	Nil
8h	Water sprinkling on roads to control airborne dust	Water Tanker proposed	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Plan & Rocky Terrain

Compliance of Rule 45:

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

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointed	Appointed
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining area = 10.490 hect Waste Disposal = 3.500 hect Infrastructure = 1.480 hect	Mining area is less when compare to given data There is no waste disposal area available in lease area Office building & Mines Road = 0.50 hect only but it is wrongly given as 1.480 hect
9d	Scrutiny of Annual return on afforestation	Nil	Nil
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	Closing stock form 2015-2016 = 70883 tons	Stock yard is present in site
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value = Rs.285/- Ex Mine Price = Rs.285/- ton Production Cost = Rs.15/- tons	Only Dispatches is done from 2012-2013 to till date. There is no production.
9h	Scrutiny of Annual return on fixed assets	Rs.92 lakhs for land cost	It is not included the screening plant cost also.
9k	Scrutiny of Annual return on mining machineries	One backhoe is shown	One backhoe is used for dispatches

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)	21/09/2016				
Rule 22(1)	21/09/2016				
Rule 23E(2)	21/09/2016				
Rule 27(4)	21/09/2016				
Rule 46	21/09/2016				
Rule 48	21/09/2016				
Rule 63	21/09/2016				

Date :

(G. S. KANNAN)

Indian Bureau of Mines