

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT 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 : **SP01** ) **SURESH PRASAD**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 30-NOV-19
- (v) Prev.inspection date : 23-MAY-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUDDAPUR LST & DOL. MINES**
- (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 : MUDHOL
- Pin Code : 587122
- FAX No. : 08395-240365
- E-mail : nandan.bhandary@jsw.in
- Phone : 08395-250120-130
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 21-MAY-09
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : South west Mining Ltd., JSW Mining office  
Post-Vidya Nagar, Toranagallu  
Bellary District, Karnataka-583275.
3. (a) **Lease Number** : KAR1576
- (b) **Lease area** : 18.84
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 20-MAY-29
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

## Mining Engineer

Name : Shri Murali Manas P, Full Time  
 Qualification : B.E.Mining  
 Appointment/ : 25-JUL-17  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-MAY-07
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	01-DEC-14
	:	MP review under 17(1) MCR 2016	05-MAR-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Exploration already carried out.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Exploration under G1 or G2 axis of lease are already done.
1e	Balance reserve as on 01/04/20		62.50 LTons	
1f	General remarks of inspecting officers on geology, exploration etc		Entire lease area were covered under G1 or G2 level of exploration.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N900-N1120 E1050-E1369	As per the proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	Top layer top soil and mineral benches with intercalated waste.
2c	Stripping ratio or ore to OB ratio	1:0.23	1:0.024	Restricted development activities causing less market demand of minerals as reported.
2d	Quantity of topsoil generation in m3	No proposal	500Tonnes	

2e	Quantity of overburden generation in m3	99620Tonnes	2250Tons	Achieved lesss as reported, restricted developement activities causing less market demand of minerals .
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Achieved lesss as reported, restricted developement activities causing less market demand of minerals as required to balance the production cost.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	4.38LT	0.93 LT and in 2019-20 0.31LT(till Oct 2019)	It has reported during the inspection that, due to less market demand, production was reduced as per the management discision.
3c	Recovery of sailable/usable mineral from ROM production	96%	achieved as proposed.	
3d	Quantity of mineral reject generation	no Proposal	NIL	No proposal/ achievement of mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	NIL	Not applicable	Threshold value Cao 35%
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	crushing & screening plant installed near lease area.

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(Jack Hammer drilling &Blasting)	
3k	Provision of mining machineries in mineral benches	Proposed	Yes	Excavator &Tipper combination proposed and being done.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes 6m height	ye. average 6m height observed	
3m	Total area covered under excavation/pits	4.4 ha	3.74 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.23	1:0.024	
3p	Production of ROM mineral during the last five year period as applicable	Production proposed in Tonnes 2014-15 - 70013 2015-16 - 265690 2016-17 - 278397 2017-18 - 407440 2018-19 - 438328	Achieved in Tonnes 2014-15 - 0 2015-16 - 0 2016-17 - 59235 2017-18 - 127004 2018-19 - 93000 2019-20 - 31328(till Oct 2019)	It has reported during the inspection that, due to less market demand, production was reduced as per the management discision.
3q	General remarks of inspecting officers on method of mining etc.		Working with HEMM and deep hole b;asting with jack hammer.	As reported, Jack hammer is being proposed/used due to local issue.

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#### Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Provision for seperate dumping for OB and top soil given	Seperate dumping for OB and top soil being made	
4b	Location of topsoil, OB and mineral reject dumps	Top soil for planation OB-N950-N1120 E1175-E1369	OB-N950-N1120 E1175-E1369	Top soil is being kept temprory and shifted for plantation for green belt developement.
4c	Number of dumps within lease area and outside of lease area	Within 01 Outside Nil	Within 01 Outside Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active and alive dumps.	01	01	
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	Maintained the existing
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Maintained the existing	
4j	Number of settling ponds	No proposal	maintaining the existing	
4k	Specific comments of inspecting officer on waste dump management		Onle one existing dump for overburden is being maintained.	

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#### 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	NIL	Minerals not exhausted fully and hence area not matured for backfilling.

5b	Area under backfilling of mined out area	NIL	NIL	Minerals not exhausted fully and hence area not matured for backfilling.
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.		Minerals not exhausted fully and hence area not matured for backfilling.	

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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).	Yes	2018-19 report submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	Minerals not exhausted fully and hence area not matured for backfilling/ rehabilitaion.
6c	afforestation done (ha).	2.0 ha	2.0ha	Planation carried out in the month June 2019 for green belt developement.
6d	No. of saplings planted during the year	500	500	Sapling of 2018-19 also done in the month June 2019.
6e	Cumulative no .of plants		3000nos.	As per the report submitted.
6f	Any other method of rehabilitation	NIL	NIL	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NIL	Minerals not exhausted fully and hence area not matured for backfilling/ rehabilitaion.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	Minerals not exhausted fully and hence area not matured for backfilling/ rehabilitaion.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Monitering as per the guidelines	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Minerals not exhausted fully and hence area not matured for backfilling/ rehabilitaion.	Plantaion along the safety zone for green belt development proposed/ being done.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Minerals above THV CaO +35 % (BF Grade)	Minerals above THV CaO +35 % (BF Grade)	
7d	Any beneficiation process at mines	Crushing and screening	Crushing and screening	



7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Crushing and screening installed installed near the mines for size reduction, screening and blending of minerals of different grade.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Being made	Being Used for palnatation
8b	Concurrent use or storage of topsoil	Yes	Yes	Top soil materials observed to be used for safety berm formation in some places. Thus violation issued.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	Onle one dump for overburden.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	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)		3000 nos sapling approx reported.	
8g	Survival rate		75 %	

8h	Water sprinkling on roads to control airborne dust	YES	YES
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Top soil materials observed to be used for safety berm formation in some places. Thus violation issued.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	MR submitted upto Oct 2019 AR 2018-19.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished as Mining Engineer-Shri Murali Manas P. Geologist-Natraj B	Notice of appointment in "Form H" for appointment of Geologist in full time basis was not shown during the inspection. Hence, violation issued.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	Covered under current working-6.17 ha Reclaimed area- Nil waste dump 0.430 Ha	
9d	Scrutiny of Annual return on afforestation	NIL	location propoed for 2018-19 were also covered in the month june 2019.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Not achieved	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished details as:- ROM stock- Nil Closing stock of BF grade 101775.122 Tonnes	Physically observed the recorded stock in the field.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished	Ex mine Price-416 Rs/T Production cost 341.45 Rs/T The ex-mine price is not found in order as per the sale value figures. Hence, issued violation.
9h	Scrutiny of Annual return on fixed assets	Furnished	Land and plant, machiner, equipments etc furnished.
9k	Scrutiny of Annual return on mining machineries	Furnished	Air compressor 1 Backhoe 2 Crusher 1 Tipper 4 Front end loader 1 and other ancilliary equipments.

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position		
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	12-DEC-19	04-FEB-20			
MCDR17	Rule 45(7)(a)	12-DEC-19				
MCDR17	Rule 46(a)	12-DEC-19	04-FEB-20			

**Date :**

**(SURESH PRASAD)**

Indian Bureau of Mines