

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-63/GOA

Mine code : 38KAR26042

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. SURESH REDDY, AGENT (MINES)
Official with
Designation
- (iv) Date of Inspection : 14-OCT-20
- (v) Prev.inspection date : 02-MAR-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : TIMMAPUR (ML.NO.2380)
- (b) **Registration NO.** : IBM/5500/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : TIMMAPUR
- Taluka : MUDHOL
- Post office : MUDDAPUR
- Pin Code :
- FAX No. : NIL
- E-mail : seshasai_mining@yahoo.co.in
- Phone : 08350-383498, 9448138349
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 15-DEC-02
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : M/s Sesha Sai Mining Co.,
Sy.No-63/1, At and po-Muddapur
Tq-Mudhol, Dist- Bagalkot- Karnataka
3. (a) **Lease Number** : KAR1467
- (b) **Lease area** : 4.86
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 19-NOV-22
4. **Mineral worked** : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : SESA SAI MINING COMPANY
 Sy.No 63/1, At & Po-
 Muddapur TALUKA- MUDHOL
 BAGALKOT KARNATAKA
 Phone:+919448138349, 08350-203437 (O)
 FAX :

Owner : K. SURESH REDDY, PARTNER
 SY. NO. 63/1, AT-MUDDAPUR
 TQ-MUDHOL BAGALKOT
 KARNATAKA
 Phone: 09448138349
 FAX :

Mining Engineer

Name : BASAPPA DYANAPPA, Full Time
 Qualification : Mines Foreman Certificate
 Appointment/ : 15-NOV-03
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	31-OCT-02
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	11-JUN-04
	:	Mining Scheme rule 12 MCDR1988	11-OCT-07
	:	Mining Scheme rule 12 MCDR1988	09-APR-12
	:	MP modif under 17(3) MCR 2016	19-JAN-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in the year 2019-20	Nil	Exploration already carried out to G1 level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	-	1667821 tons Reserves (111)	
1f	General remarks of inspecting officers on geology, exploration etc			No exploration proposal was given for the year 2019-20. The entire Lease area is covered under Geological axis 1 or 2.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 534235 E 534455 N 1791900 N 1791992	E 534300E 534420 N 1791900 N 1791972	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Separate Benches, Mix benches are Proposed	Mix benches maintained	
2c	Stripping ratio or ore to OB ratio	1:0.2	1:0.199	Te : Te
2d	Quantity of topsoil generation in m3	3,773 te	1800 te	

2e	Quantity of overburden generation in m3	12000 te	7750 te	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of pit being carried out as proposed in MMP.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	59998 tonnes	38760 tonnes	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
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	Jack Hammer drilling & blasting	Jack Hammer drilling & blasting	
3k	Provision of mining machineries in mineral benches	Excavator and Tippers	Excavator and Tippers	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	3.0174 Ha. For Five Years	About 2.90 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2	1:0.199	te :te
3o	Total area put in use under different heads at the end of year	Pit -3.0174 Ha. Dump - 0.5 Ha. Others- 0.82	Pit - 2.900 Ha. Dump - 0.50 Ha. Others- 0.82	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 : 59,998 2018-19 : 59,998 2017-18 : 59,998 2016-17 : 59,998 2015-16 : 59,998	2015-16 : 32,900 2016-17 : 39,950 2017-18 : 34,500 2018-19 : 43,810 2019-20 : 38,760	ROM (te) production figure is mentioned as per last Modified Mining Plan (MMP) and Annual Returns submitted
3q	General remarks of inspecting officers on method of mining etc.			Semi-mechanized Open Cast mining being carried out with Jack Hammer drilling & blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	

4b	Location of topsoil, OB and mineral reject dumps	As per approved MMP, the waste dumping approved to be carried out at earmarked place in north- eastern side of the lease near to BP-4&5.	Waste dumping done at earmarked place in north- eastern side of the lease. However, one additional waste dump has been made at non-approved area in S-E corner near to BP-3.	Violation issued in this respect
4c	Number of dumps within lease area and outside of lease area	Lease area = 01 Non Lease area = Nil	Lease area = 02 Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northeast side of mining pit within the UPL	Northeast side of mining pit within the UPL	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	one	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	-	About 25 m retaining wall & Parapet wall along the 7.5m safety zone at north side	
4i	Length of Retaining wall or garland drain all along dumps	-	About 250 m Garland drain& bund	
4j	Number of settling ponds	-	2 Nos.	

4k	Specific comments of inspecting officer on waste dump management	As per approved MMP (PMCP), to check wash-off from the waste dump and run-off from workings, protective measures i.e. protective bund and planation on bund/safety barrier are proposed in the outer periphery of the dump/lease. However, such protective measures are not observed undertaken during inspection. Violation issued in this respect
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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 back filling proposal	Nil	No any part of the Lease Area has got exhausted/ matured for backfilling
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.			Mineral has not been exhausted from any part of the lease, hence backfilling/ reclamation has not envisaged.

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	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.128	0.2	
6d	No. of saplings planted during the year	256 Nos.	400Nos.	In safety zone and in gap area of earlier plantation
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	12800/-	About 16,000/-	
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	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	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)	Monitoring on regular basis	Monitoring being done regularly	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mineral has not exhausted from any part of the pit, hence backfilling/ reclamation and PMCP by R&R has not been envisaged.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	+35% Cao to - 45% CaO	+35% Cao to -45% CaO	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	+35% Cao to - 45% CaO	+35% Cao to -45% CaO	
7d	Any beneficiation process at mines .	None	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mineral being despatched after Manual sorting and sizing of ROM ore as per requirement.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Proposed to use for plantation	Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump for intercalated waste	One dump for intercalated waste	
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)	256 nos in 2019-20	450 No's (400 within lease area & 50 outside lease area)	
8g	Survival rate	-	75%	
8h	Water sprinkling on roads to control airborne dust	Water tanker to be used for Sprinkling	Being used	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is good

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		MR Submitted being submitted, AR Submitted for FY 2019-20	Violation issued for deficiencies observed in Returns
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Basappa Dyamappa- Manager, Shridhar M Bhat - Geologist, Jeelan - Mining Engineer	Basappa Dyamappa- Manager, Shridhar M Bhat - Geologist, Jeelan - Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	under pits : 2.9 Ha reclaimed area : 0 dumps : 0.5 Ha Road : 0.12 Ha	under pits : 2.9 Ha reclaimed area : 0 dumps : 0.5 Ha Road : 0.12 Ha	
9d	Scrutiny of Annual return on afforestation	450 No's (400 within lease area 50 outside lease area)	450 No's (400 within lease area 50 outside lease area)	
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	ROM stock - Nil, graded ore stock =15291 te	ROM stock -Nil, graded ore stock =15291 te	
9h	Scrutiny of Annual return on fixed assets	Rs.33,12,000/-	Rs.33,12,000/-	
9k	Scrutiny of Annual return on mining machineries	Excavator - 1 No's Tipper - 1 No's Compressor - 2 No's Water Tanker - 1 No's	Excavator - 1 No's Tipper - 1 No's Compressor - 2 No's Water Tanker - 1 No's	

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)	13-NOV-20			
MCDR17	Rule 33	13-NOV-20			
MCDR17	Rule 45(7)(a)	13-NOV-20			

Date :

(PREM PRAKASH)

Indian Bureau of Mines