

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

**Review and updation of Mining Plan 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 : S/shri. K.Suresh Reddy, Lessee's Representative and S  
Official with  
Designation
- (iv) Date of Inspection : 16-NOV-21
- (v) Prev.inspection date :

**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	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		1641721 tons Reserves (111)	Reserves as updated in Annual Return of 2020-21
1f	General remarks of inspecting officers on geology, exploration etc		No exploration proposal was given for the year 2020-21. As mentioned in Modification of Mining Plan (MMP) approved on 19/01/2017, exploration in the entire Lease area is covered under Geological axis 1.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Coordinated between N 1791857 - N 1791996 & E 534219 - E 534460	Coordinated between N 1791857 - N 1791996 & E 534219 - E 534460	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Separate Benches, Mix benches are Proposed	Mix benches are formed	
2c	Stripping ratio or ore to OB ratio	1:0.2	1:0.04	Te : Te
2d	Quantity of topsoil generation in m3	1621 CUM	Nil	
2e	Quantity of overburden generation in m3	6000 CUM	525 CUM (1050 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.
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### 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	26100 tonnes	
3c	Recovery of sailable/usable mineral from ROM production		26100 tonnes	
3d	Quantity of mineral reject generation	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	-	
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	Small Excavator and Tippers	Small 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 About 2.95 Ha.	
		Five Years		
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2	1:0.04	Te : Te
3o	Total area put in use under different heads at the end of year	Pit -3.0 Ha. Dump - 0.5 Ha. Others- 0.82	Pit - 2.950 Ha. Dump - 0.50 Ha. Others- 0.82	
3p	Production of ROM mineral during the last five year period as applicable	2020-21 : 59,998 2019-20 : 59,998 2018-19 : 59,998 2017-18 : 59,998 2016-17 : 59,998	2020-21 : 26,100 2019-20 : 38,760 2018-19 : 43,810 2017-18 : 34,500 2016-17 : 39,950 (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	Waste/OB Dump Location : N1791990 - N 1792006 E534463 - E534462	Waste/OB Dump Location : N1791990 - N 1792006 E534463 - E534462	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 No. Non Lease area = Nil	Lease area = 1 No. 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.	01	01
4f	Number of dead dumps.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	protective soil bund and planation on bund/safety barrier are proposed & erected
4i	Length of Retaining wall or garland drain all along dumps	NA	-
4j	Number of settling ponds	-	01 No.
4k	Specific comments of inspecting officer on waste dump management		Waste dumping has been carried out at earmarked place in north- eastern side of the lease area.

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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	--	No any part of the Lease Area has got exhausted/ matured for backfilling.
5b	Area under backfilling of mined out area	No any back filling proposed	--	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mineral has not been exhausted from any part of the lease area, 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) .	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.128 Ha.	0.13 Ha.	In 7.5m safety zone and in gap area of earlier plantation
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	256 Nos.	260 Nos.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring on regular intervals	Monitoring being carried out on regular intervals	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mineral has not exhausted from any part of the lease area, hence backfilling/ reclamation has not been envisaged. PMCP through rehabilitation/plantation within 7.5m safety zone around the lease area being carried out.	

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 Mineral Conservation:
 

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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 .	Nil	Nil	
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.	

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 Environment:
 

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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	Being Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump proposed for intercalated waste/OB	One dump made for intercalated waste/OB	

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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)	256 nos in 2020-21	360 No's (260 within lease area & 100 outside lease area)
8g	Survival rate		40-55 %
8h	Water sprinkling on roads to control airborne dust	Water tanker to be used for Water sprinkling on roads to control airborne dust	Water tanker being used for Water sprinkling on roads to control airborne dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area observed to be good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR Submitted up to = Oct 2021 AR Submitted for 2020-2021	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Veerabhadrayya Pujar - Mining Engineer & Manager, Shridhar M Bhat - Geologist,	Mr Sharanabasava appointed as Mining Engineer & Manager from 01.08.2021; Shridhar M Bhat - Geologist,	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	under pits : 2.95 Ha reclaimed area : 0 dumps : 0.5 Ha Road : 0.12 Ha	under pits : 2.95 Ha reclaimed area : 0 dumps : 0.5 Ha Road : 0.12 Ha	As reported in Annual Returns (AR) Submitted up for Yr. 2020-2021
9d	Scrutiny of Annual return on afforestation	360 No's (260 within lease area & 100 outside lease area)	360 No's (260 within lease area & 100 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 closing stock =5391 te	ROM stock -Nil, graded ore closing stock =5391 te	As reported in Annual Returns (AR) Submitted up for Yr. 2020-2021
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price : Rs.463/-, Production cost : Rs.388.10 Per ton.	Ex. Mine price : Rs.463/-, Production cost : Rs.388.10 Per ton.	
9h	Scrutiny of Annual return on fixed assets	Rs.3262000/-	Rs.3262000/-	
9k	Scrutiny of Annual return on mining machineries	Excavator - 1 No's Tipper/Tractor - 1 No's Compressor - 2 No's Water Tanker - 1 No's	Excavator - 1 No's Tipper/Tractor - 1 No's Compressor - 2 No's Water Tanker - 1 No's	

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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

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines