

**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 : **SP01**) **SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SHRI. SURESH REDDY, AGENT.**
Official with
Designation
- (iv) Date of Inspection : 02-MAR-20
- (v) Prev.inspection date : 09-AUG-19

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 : M/s Sessa Sai Mining Co.,
correspondance : 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	Already done.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	already carried out to G1 level.
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	
1e	Balance reserve as on 01/04/20	1594897 tonnes	1669071 tonnes	Balance reserves as on 01/02/2020
1f	General remarks of inspecting officers on geology, exploration etc		Lease covered under G1 level of exploration.	

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 534300 E 534420 N 1791860 N 1791972	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 in Top soil 5 in Limestone	1 in Top soil 5 in Limestone	
2c	Stripping ratio or ore to OB ratio	1:0.32	1:0.25	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	12000 tonnes	6400 tonnes	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Satisfactory. Benches observed in good shape.
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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	2018-19 : 60,000 T	2018-19 : 43,810 T	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	THV 35%
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Nil	Not applicable.	
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	OTFM	OTFM	deployment in small scale.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Yes	In some place observed variation. However, improvement observed wrt previous one.
3m	Total area covered under excavation/pits	3.0174 Ha.	2.90 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.32	1:0.25	
3o	Total area put in use under different heads at the end of year	Pit - 3.0174 Ha. Dump - 0.12 Ha. Others- 2.0935	Pit - 2.900 Ha. Dump - 0.12 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 60,000 2017-18 : 60,000 2016-17 : 60,000 2015-16 : 60,000 2014-15 : 60,000	2018-19 : 43,810 2017-18 : 34,500 2016-17 : 37,850 2015-16 : 32,900 2014-15 : 32,500	
3q	General remarks of inspecting officers on method of mining etc.		Mines was observed with good housekeeping on benches and faces.	

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	South side of mining pit within the 7.5m SZ	South side of mining pit within the 7.5m SZ	
4c	Number of dumps within lease area and outside of lease area	one	one	

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	Small size.
4e	Number of active and alive dumps.	one	one	
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	25 m retaining wall & Parapet wall along the 7.5m safety zone at north side	Existing one maintained.
4i	Length of Retaining wall or garland drain all along dumps	Nil	250 m Garland drain & bund	maintained the existing.
4j	Number of settling ponds	nil	02 nos.	existing
4k	Specific comments of inspecting officer on waste dump management		Waste generation/ formation of dump is in very small scale.	

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.	Not proposed	NIL	Area not 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	Top soil used for green belt dev.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

5e General remarks of inspecting officers on backfilling and reclamation etc. Area is not matured for backfilling.

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	Submitted for the year 2018-19.	
6b	Area available for rehabilitation (ha) .	Not proposed	nil	Area not matured for backfilling.
6c	afforestation done (ha).	0.50 Ha.	0.50 Ha.	for green belt developemnt.
6d	No. of saplings planted during the year	50nos	50nos.	
6f	Any other method of rehabilitation	Not proposed	NIL	
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	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitering CORE &Buffer Zone	Monitering CORE &Buffer Zone done agency.	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Minerals are not exhausted from the pit.	Area is not matured for R&R.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	+45% CaO +35% Cao to - 45% CaO	+45% CaO +35% Cao to -45% CaO	By manual
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	manual	
7c	Different grade of mineral sorted out at mines.	+45% CaO +35% Cao to - 45% CaO	+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		Manual sorting of defferents grade are being done as per the requirement of buyers.	Value addition plant for powdering also established in outside the ML.

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	YES	Used for plantaion and green belt development.	

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	Not proposed	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)	0.50 Ha.	0.50 Ha.	
8g	Survival rate	60%	60%	
8h	Water sprinkling on roads to control airborne dust	YES	Yes	Water tanker 5KL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation near the mining lease area developed (outside ML). However, survival rate for plants for green belt dev was observed less.	

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 up to = Feb 2020 AR Submitted up to = 2018-2019	MR Submitted up to = Feb 2020 AR Submitted up to = 2018-2019	Scrutiny of Annual returns for the year 2018-19 was already carried out during previous inspection on 9.8.2019. Therefore, scrutiny of monthly return was carried out.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished	Found in order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished	Random Checked with invoice and found in order. Some buyers has been supplied material having without IBM registration number.	Issued violation.

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 45(7)(a)	16-MAR-20			

Date :

(SURESH PRASAD)

Indian Bureau of Mines