

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-84/GOA

**Mine code :** 38KAR26065

- (i) Name of the Inspecting : **K03** ) **G. S. KANNAN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Suresh Reddy, Partner  
Official with  
Designation
- (iv) Date of Inspection : 28/08/2018
- (v) Prev.inspection date : 08/04/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **YANDIGERI (ML. NO. 2523)**
- (b) **Registration NO.** : **IBM/5654/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : BAGALKOT  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail : seshasai\_mining@yahoo.co.in  
Phone : 9980038349 (M)
- (f) Police Station : LOKAPUR
- (g) First opening date : 25/01/2011
- (h) Weekly day of rest : TUE
2. Address for : SY. NO -63/1, AT --MUDDAPUR  
correspondance : TQ- MUDHOL, DIST--- BAGALKOT  
KARNATAKA-587122
3. (a) Lease Number : KAR1467
- (b) Lease area : 4.86
- (c) Period of lease : 20
- (d) Date of Expiry : 19/11/2022
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : SESA SAI MINERAL ENTERPRISES  
 Sy.No 63/1, At & Po-  
 Muddapur TALUKA- MUDHOL  
 BAGALKOT KARNATAKA  
 Phone:+919448138349  
 FAX :

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

Agent : A.M.AMBALIMATH  
 C/o M/s Sesa Sai Minerals  
 Sy.No. 63/1, AT & Po-  
 Muddapur Tq-Mudhol BAGALKOT  
 KARNATAKA  
 Phone:  
 FAX :

## Geologist

Name : H.Ravesh, Part Time  
 Qualification : M.Sc Earth Science  
 Appointment/ : 15/07/2015  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	11/10/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	09/04/2012
	:	MP modif under 17(3) MCR 2016	23/10/2017

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	1 Core Boreholes Proposed in Scheme period	3 Boreholes has drilled	Form-J & K has been submitted
1b	Exploration over lease area for geological axis 1 or 2	1 Additional exploration was proposed in mining scheme over the lease area for Geological axis - 1	3 - Additional exploration was carried out in the lease area for Geological axis - 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Own drilling and/ or Contract drilling machines were used for Exploration in the past.	3 boreholes were drilled during 2016-2017. Total Rs. 2 lac was spent on exploration.	So far 7 Boreholes has been drilled from 2011-2012
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed out at 100m X 100m grid interval. Additional exploration was proposed in Plan period	Exploration was carried out at 100m X 100m grid interval.	
1e	Balance reserve as on 01/04/20	As on 01.04.2018 Proved Mineral Reserves (111) = 2104740 tons Feasibility Mineral Resources (211) = 304920 Tons Inferred Mineral Resources (333) = 1378980 Tons	As on 01.04.2018 Proved Mineral Reserves (111) = 2044740 tons Feasibility Mineral Resources (211) = 304920 Tons Inferred Mineral Resources (333) = 1378980 Tons	Since there is no mining activity; R & R has not been changed.

1f	General remarks of inspecting officers on geology, exploration etc	It is part of Kaladgi basin which belongs to Upper Cuddapag system	The deposit is litho unit of Lokapur sub group of Bagalkot group which belongs to Kaladgi Super group	Entire Lease is having same Geology and Mineralogy is changes from place to place. Hence borehole has to be drilled at closer interval to get quantity and quality
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Location in between cross section AA'-BB'	Working has been not carried out as per the proposal	Mine is not Working from 2016, for want of Statuary Clearances.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no proposals for separate Bench's	There is no proposals for separate Bench's	
2c	Stripping ratio or ore to OB ratio	1 :0.11	Nil reported, since no production during that period.	
2d	Quantity of topsoil generation in m3	1760 cu.m/ 2816 tons	Nil	
2e	Quantity of overburden generation in m3	OB waste is only Intercalated waste. During 2017-2018 it is proposed 5333 tons	Nil	Mine is not Working from 2016, for want of Statuary Clearances.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Proposed 5333 tons of intercalated waste & 2816 tons of Top soil from 1 benches	Nil	Mine is not working from 2016 for want of EC.

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Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production was proposed in Pit-1.	Development and production are not carried out.	
3b	Quantity of ROM mineral production proposed	The total target of ROM Production was 60000 tons during 2017-2018.	Nil	Mine is not Working because want of Statuary Clearances.
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Mineral reject- No Proposal. Threshold Value for Mineral rejects is not Declared	Mineral reject- No Proposal. Threshold Value for Mineral rejects is not Declared	
3f	Quantity of sub grade mineral generation.	No Sub Grade Generation	No Sub Grade Generation	
3g	Grade of sub grade mineral generation	There is No Generation of Subgrade Mineral	There is No Generation of Subgrade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised (A-OTFM)	Mechanised (A-OTFM)	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Benefication Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	

3j	Provision of drilling and blasting in mineral benches	Spacing - 1.35m Burden - 1.20m Depth - 2.00m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	Drilling & Blasting are not done	Mine is not Working from 2016.
3k	Provision of mining machineries in mineral benches	Jack Hammer - 4 Tracker Compressor - 2 Wheel Loader - 1 Backhoe Excavator - 1 Water Tanker - 1 Diesel Tanker -1 Crushing & Screening Plant - 1 Tippers - 1 Tractor Trailer - 9	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 6m was proposed in Mineral.	Nil	
3m	Total area covered under excavation/pits	1.620 hect area is under Pit and additional 1.180 hect is required	1.620 hect areas are under Pit only.	Due to Non-working of Mines, additional area is not in use.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	Nil reported, since no production during that period.	

3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2018. Mines = 2.800 hect Temporary Dumping = 0.600 hect Infra = 0.040 hect Road = 0.020 hect Safety Zone = 0.700 hect	Land use Pattern as on 01.04.2018. Mines = 1.620 hect Infra = 0.040 hect Road = 0.020 hect Safety Zone = 0.700 hect	There are no Changes in land use Pattern from 2016 because of Non-Working.
3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 60000 tons 2016-2017 = 198000 tons 2015-2016 = 198000 tons 2014-2015 = 198000 tons 2013-2014 = 198000 tons	2017-2018 = Nil 2016-2017 = Nil 2015-2016 = 35000 tons 2014-2015 = 51300 tons 2013-2014 = Nil	From 2016 to till date, the Mine was not working due to want of statutory order
3q	General remarks of inspecting officers on method of mining etc.	Mechanised Method is Proposed	Nil	

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Generated Intercalated waste will be temporary dumping. Topsoil will be utilized for formation of bund	There is no generation of OB and topsoil because of Non-working	

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4b	Location of topsoil, OB and mineral reject dumps	Proposed Temporary dump for intercalated waste in between 1784289N-1784320N/548423E-548460E.	No dump is present in proposed area	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Non Lease area = Nil	Lease area = Nil Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	Active Dump = 1 Alive Dump = Nil	There is no active dump within lease area for waste dumping.	
4f	Number of dead dumps.	No Proposal	Nil	
4g	Number of dumps established.	No Proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Formation of Bund has been proposed along the Lease boundary	Nil	
4i	Length of Retaining wall or garland drain all along dumps	50m Formation of Bund has been proposed during 2017-2018	Nil	
4j	Number of settling ponds	No Proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	From 2016 to till date, the Mine was not working due to want of statutory order

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal for Back filling	No backfilling done	
5b	Area under backfilling of mined out area	No Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Backfilling	No Backfilling	From 2016 to till date, the Mine was not working due to want of statutory order

#### 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).	It should be on or before 1st July every year.	Not Submitted	Violation has pointed out under Rule 26 (2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	

6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	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	Total 75 saplings were proposed during last year 2017-2018.	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.075 hect	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Bi-Annually Survey	Environment monitoring is carried out through own as well as private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	From 2016 to till date, the Mine was not working due to want of statutory order

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	60000 tons	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical processing i.e. Excavators, JCB, Rock Breakers for production.	Nil	
7c	Different grade of mineral sorted out at mines.	Cao = +35%	Nil	

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7d	Any beneficiation process at mines .	Mechanical processing i.e. Excavators, JCB, Rock Breakers for production.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil	From 2016 to till date, the Mine was not working due to want of statutory order

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal for separately remove and utilized the topsoil.	Nil	
8b	Concurrent use or storage of topsoil	Concurrent use	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed Temporary dump for intercalated waste in between 1784289N-1784320N/548423E-548460E.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Temporary dump	Nil	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	75 saplings per year	Nil
8g	Survival rate	60%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes, it is proposed for water sprinkling on haul roads.	Water sprinkling on road is observed during the inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Water sprinkling on road is observed during the inspection.	Surrounding area beyond lease area is greenery

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#### Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = August 2018 AR Submitted up to = 2017-2018	Both Annual & Monthly returns are submitting in online system.	Submitted within the time limits
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointment of Geologist not shown.	Geologist has been appointed but not shown in Annual returns.	It is advised to appoint mining engineer.

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern is not filled.	It is advise to fill the land use pattern.	Due to No Production & development, there is no change in landuse pattern from 2016.
9d	Scrutiny of Annual return on afforestation	Within Lease = Nil	It is advised to plant as per proposal.	Mine is not working from 2016 for want of EC.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Proposal	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Due to Non-Working from 2016, there is no ROM stock and all are nil only.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Mine Price & Production cost is Zero	Due to Non-Working from 2016, there is no ROM, hence Ex.Mine Price & Production cost is Zero.	
9h	Scrutiny of Annual return on fixed assets	Fixed assets have not filled	It is advised to fill properly.	
9k	Scrutiny of Annual return on mining machineries	Machineries detail given	As available in field	

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**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)	11/09/2018			
MCDR17	Rule 26(2)	11/09/2018			
MCDR17	Rule 28(1)	11/09/2018			
MCDR17	Rule 33	11/09/2018			

**Date :**

**(G. S. KANNAN)**

Indian Bureau of Mines