

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KNL/LST-192-C/HYD

**Mine code :** 38APR11144

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri J . Ashok, Mines Manger cum Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 29-OCT-21
- (v) Prev.inspection date : 09-OCT-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KOLIMIGUNDLA(4.048 HA)**
- (b) **Registration NO.** : **IBM/10897/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : ANDHRA PRADESH  
District : KURNOOL  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : -  
E-mail : pbr ssminerals@Gmail.com  
Phone : 9440008718
- (f) Police Station : KOLIMIGUNDLA
- (g) First opening date : 14-AUG-02
- (h) Weekly day of rest : SUN
2. Address for : VILL&POST:KOLIMIGUNDLA  
correspondance : MANDAL: KOLIMIGUNDLA  
DISTRICT:KURNOOL., ANDHRAPRADESH
3. (a) Lease Number : APR2828
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 21-AUG-22
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S SRI SAINATH MINERALS  
KOLIMIGUNDLA (V& M) KURNOOL  
DISTRICT KURNOOL ANDHRA  
PRADESH  
Phone:9440008718  
FAX :

Owner : M/SSAINATH MINERALS  
VILL &POST:KOLINIGUNDLA  
MANDAL:KOLINMIGUNDLA DIST:  
KURNOOL KURNOOL ANDHRA  
PRADESH  
Phone: 9440008718  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	05-JUN-02
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	23-APR-13
	:	MP review under 17(1) MCR 2016	16-DEC-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	NIL	
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	Not specific	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Total mineralised area has been explored under G1 scale
1e	Balance reserve as on 01/04/20	As on 1.4.2021 probable reserves--0.33 million tonnes (121) Feasibility mineral Resource--0.76 million tonnes(221) Grade--Cao--46.68%, Mgo--2.26 %, Sio2--11.7%	As on 1.4.2021 probable reserves--0.34 million tonnes (121) Feasibility mineral Resource--0.76 million tonnes(221) Grade--Cao--46.68%, Mgo--2.26 %, Sio2--11.7%	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	It is simple sedimentary deposit. Total mineralised area has been explored under G1 scale

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	E 190677 to 190855 N1668779 to 1668935 RL--261 to 237 Section C-C' and D-D'	As per the proposal the development work was carried out.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in top soil and two benches in ore	One bench in top soil and two benches in ore	
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1:0.02	
2d	Quantity of topsoil generation in m3	There is a proposal of generation of 1871 m3 top soil	A quantity of 1750 m3 top soil has been generated.	The top soil generated was utilised for plantation
2e	Quantity of overburden generation in m3	No proposal	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	It is simple sedimentary bedded deposit. Development is on south west side of ML area as proposed

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	1,50,000 T	147570 T	
3c	Recovery of sailable/usable mineral from ROM production	98%	100%	

3d	Quantity of mineral reject generation	No Proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
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	No Proposal	NIL	No segregation is required as total ROM is being saleable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study is proposed during the plan period	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes, jack hammer drilling with tractor mounted compressor Depth--3.3 m, Burden--1.5m, spacing--2 m in OB and Ore benches Slurry explosive with safety fuse	Yes, jack hammer drilling with tractor mounted compressor Depth--3.3 m, Burden--1.5m, spacing--2 m in OB and Ore benches Slurry explosive with safety fuse	
3k	Provision of mining machineries in mineral benches	Yes, Two Tippers of 10 t capacity Front end loader	Two Tippers of 10 t capacity Front end loader	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m bench height and 6 m bench width in mineral benches	3m bench height and 6 m bench width in mineral benches and suitable for method of Mining proposed	
3m	Total area covered under excavation/pits	Area under mining--2.73 ha	Area under mining--2.840 ha	
3n	Ore to OB ratio for the pit/mine during the year.	0.05	0.02	
3o	Total area put in use under different heads at the end of year	Area under mining--2.73 ha Building--0.02 ha Crushing& Screening plant--0.1 ha Roads-0.05 ha	Area under mining--2.84 ha Plantation--0.027 ha Road-- 0.101 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17--96000 t, 2017-18--150000 t, 2018-19--150000 t, 2019-20--150000 t, 2020-21--150000 t	2016-17--104550 t, 2017-18--152100 t, 2018-19--149975 t, 2019-20--134225 t, 2020-21--147570 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast other than fully mechanised method using conventional method of drilling and blasting

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of top soil and waste has been proposed in the earmarked locations.	NIL	Top soil is used for plantation purpose and no waste is generated during the year 2020-21

4b	Location of topsoil, OB and mineral reject dumps	South west side of ML area	NIL	No waste is being generated. Total ROM is being dispatched
4c	Number of dumps within lease area and outside of lease area	One dump within ML area.	NIL	No waste is generated, hence there is no waste dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Not Applicable	
4e	Number of active and alive dumps.	One active dump	NIL	
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.	Retaining wall--36 x 1.0 x1.0 m Garland drain--39 x1.0 x1.0 m	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall--36 m Garland drain--39 m	Not applicable	
4j	Number of settling ponds	No proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	As there is no waste generation, waste dump management is not applicable. Top soil is concurrently using for plantation.

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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 during the year 2020-21	NIL	
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	The area is not matured for back filling
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	The area is not matured for reclamation and rehabilitation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The area is not matured for backfilling as the ore is not exhausted.

#### 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).	Annual report on Proposal of PMCP to be submitted	Annaul report is submitted on PMCP compliance	No major deviation was found
6b	Area available for rehabilitation (ha) .	No proposal	NIL	
6c	afforestation done (ha).	No proposal	210 plants planted in the safety zone area	
6d	No. of saplings planted during the year	No proposal	210 plants	



6e	Cumulative no .of plants	No proposal	210 within ML, 65% survival 1400 outside ML, 62 % survival
6f	Any other method of rehabilitation	No proposal	NIL
6g	Cost incurred on watch and care during the year	Not specified	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	NIL

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	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)	There is a proposal of regular monitoring of environmental parameters	Regular monitoring of environmental parameters are being monitored.	All the parameters are within the prescribed limit
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Environmental protective measures are being undertaken

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of grade wise sorting	Total ROM is being dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	NIL	

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7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines .	No proposal	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	No beneficiation is required as total ROM is being saleable

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil is proposed	The generated top soil is concurrently utilised for plantation.	
8b	Concurrent use or storage of topsoil	Proposed to store temporarily and used for plantation.	The generated top soil is temporarily utilised for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed separate dump for waste	NIL	There is no waste generation
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	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)	Afforestation to be done in the safety barrier zone	Afforestation done along the safety barrier zone	
8g	Survival rate	No proposal	65%	
8h	Water sprinkling on roads to control airborne dust	Proposed water sprinkling on roads	As proposed water sprinkling is being done on haul roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Plantation is being done along the safety barrier zone

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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 s Submitted up to October,2021 AR submitted up to 2020-21	MR s Submitted up to October,2021 AR submitted up to 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager- Shri J.Ashok, Mining Engineer -- NIL, Geologist--NIL	Manager- Shri J.Ashok, Mining Engineer --Shri J.Ashok, Geologist--Shri Ravindra Kumar	Shri J.Ashok is a Mining Engineer cum Mines Manager and Shri Ravindra Kumar was appointed on 25.10.2021

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit--2.840 ha, reclaimed area-- 0, Area under waste dump--0.020 ha	Area under pit--2.840 ha, reclaimed area-- 0	Deviation was pointed out to the lessee
9d	Scrutiny of Annual return on afforestation	210 plants within ML with a survival rate of 65% 1400 plants outside ML with a survival rate of 62%	210 plants within ML with a survival rate of 65% 1400 plants outside ML with a survival rate of 62%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject generation is zero	Mineral reject generation is zero	As 100 % ROM is saleable, there is no generation of Mineral Reject.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM production is given as 147570 tonnes	ROM production is 147570 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs 550/- Ex.M.P-- Rs. 494.36/-, CoP- Rs 237/-	Sale Value- Rs 550/- Ex.M.P--Rs. 494.36/-, CoP- Rs 237/-	
9h	Scrutiny of Annual return on fixed assets	Zero	Zero	
9k	Scrutiny of Annual return on mining machineries	Shovel (0.900 cu.m)-1, water tanker--1, Rock drill (83 mm)--1, Front end loader (2.5 cu.m)-- 1Tipper (10 Cu.M)--2	Shovel (0.900 cu.m)-1, water tanker--1, Rock drill (83 mm)--1, Front end loader (2.5 cu.m)-- 1Tipper (10 Cu.M)--2	

**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 45(7)(a)	25-NOV-21		

**Date :**

**(Ch.Suseela)**

Indian Bureau of Mines