

**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) Accompaning mine : Sri. P.Bayyapu Reddy, Mg. Partner & K.NAGENDRA BABU,M
Official with
Designation
- (iv) Date of Inspection : 08/06/2017
- (v) Prev.inspection date : 20/08/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOLIMIGUNDLA(4.048 HA)**
- (b) **Registration NO.** :
- (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 : CELLNO :9440008718
- (f) **Police Station** : KOLIMIGUNDLA
- (g) **First opening date** : 14/08/2002
- (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** : 21/08/2022
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : M/S SRI SAINATH MINERALS
 KOLIMIGUNDLA KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

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

6. Date of approval of Mining	:	Modif.of approved Mining Plan	23/04/2013
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	16/12/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 Core Bore holes were proposed during the year 2013-14	The lessee had drilled 4 core bore holes during the year 2013-14 and 4 DTH during the year 2016-17	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale of Exploration	G1 scale of Exploration	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Sai Universal Mining Services Rs.5,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	The entire ML area is explored as per UNFC Norms.	
1e	Balance reserve as on 01/04/20	930,013 tonnes (121) 760,000 tonnes(221)	930,013 tonnes (121) 760,000 tonnes(221)	
1f	General remarks of inspecting officers on geology, exploration etc	Simple bedded deposit. G1 scale of exploration has been proposed.	G1 scale of exploration has been carried out.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between grid lines N1140-N1250 and E1100-E 1251	The development and production has been carried out in the proposed site	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate top soil and mineral benches were proposed	Separate benches were formed	
2c	Stripping ratio or ore to OB ratio	1: 0.04	1:0.035	
2d	Quantity of topsoil generation in m3	No Proposal	NIL	Mining operations are confined to the degraded area

2e	Quantity of overburden generation in m3	4491 tonnes	3750 tonnes
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The deposit is a simple bedded deposit with sub horizontal dip. The proposal is confined to single pit.	The development is confined to single pit.

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	96,000 tonnes	104,550 tonnes	Violation of Rule 11(1) was pointed out for excess production.
3c	Recovery of sailable/usable mineral from ROM production	95%	93 to 97%	
3d	Quantity of mineral reject generation	No Proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	No Proposal	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
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.	No Proposal	NIL
3j	Provision of drilling and blasting in mineral benches	Yes, Jack Hammer drilling with tractor mounted compressor	Yes, Jack Hammer drilling with tractor mounted compressor
3k	Provision of mining machineries in mineral benches	Excavator, Tippers, Front end loader	Excavator, Tippers, Front end loader
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m ht	Yes, 3m ht
3m	Total area covered under excavation/pits	1.973 ha	2.33 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1: 0.035
3o	Total area put in use under different heads at the end of year	2.798 ha	2.78 ha
3p	Production of ROM mineral during the last five year period as applicable	2012-13--44,299 t, 2013-14--96,000 t, 2014-15--96,000 t, 2015-16---96,000 t, 2016-17--96,000 t	2012-13--174,598 t, 2013-14--105,830 t, 2014-15--79,934 t, 2015-16---93,250 t, 2016-17--104,550 t
3q	General remarks of inspecting officers on method of mining etc.	Opencast other than fully mechanised mining is proposed	Opencast other than fully mechanised mining is being carried out

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	OB is dumped at designated place.	
4b	Location of topsoil, OB and mineral reject dumps	OB dumping is proposed between grid lines N 1078- N 11 120 and E 1146- E 1186	The OB is dumped at designated place.	
4c	Number of dumps within lease area and outside of lease area	One dump within the lease area.	One dump within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
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.	Yes, Retaining wall and garland drain along the dump	The waste dump is temporary, it is being used for ramp/ road formations.	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The waste dump is temporary and is being utilised for road formation.

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 Proposal	NIL	

5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil for afforestation is proposed	As proposed the top soil is being used for afforestation.	
5d	Total area fully reclaimed and rehabilitated	No Proposal	No area is matured for reclamation and rehabilitation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	As the mineral is not exhausted, back filling does not arise.

Progressive Mine Closure 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 PMCP compliance need to be submitted	Annual report on PMCP compliance has not been submitted	Violation of Rule 26 (2) has been pointed out to the party.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	In 7.5m buffer zone	In 7.5m buffer zone	
6d	No. of saplings planted during the year	50 saplings	50 saplings	
6e	Cumulative no .of plants	200 plants	200 plants	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	Rs.5000/-	Rs.6500/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No Proposal	Not Applicable	

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) Afforestation 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)	Proposals given in the approved document	Being monitored

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposed environmental protective measures	Environmental protective measures are being undertaken
----	---	--	--

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.	Not Applicable	Not Applicable	
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	_____	_____	About 93-95% recovery is being obtained. Hence no beneficiation is proposed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	NIL	The mining activity is confined to already degraded land
8b	Concurrent use or storage of topsoil	No proposal	NIL	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is a proposal for OB dump	As per the proposal separate dump is made.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL
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 in 7.5m buffer zone	Afforestation is done in 7.5m buffer zone
8g	Survival rate	80%	75%
8h	Water sprinkling on roads to control airborne dust	Proposed	As proposed water sprinkling is being done on the haul roads
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual and Monthly returns have to be submitted within stipulated time	Annual return has not been submitted so far.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Does not arise	Does not arise
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Does not arise	Does not arise
9d	Scrutiny of Annual return on afforestation	Does not arise	Does not arise
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Does not arise	Does not arise
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Does not arise	Does not arise
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Does not arise	Does not arise
9h	Scrutiny of Annual return on fixed assets	Does not arise	Does not arise
9k	Scrutiny of Annual return on mining machineries	Does not arise	Does not arise

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)	29/06/2017				
MCDR17 Rule 26(2)	29/06/2017				
MCDR17 Rule 55(1)(3)	29/06/2017				

Date :
(Ch.Suseela)

Indian Bureau of Mines