

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 15/02/2020
- (v) Prev.inspection date : 15/03/2019

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 correspondence : **VILL&POST:KOLIMIGUNDLA**
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 Plan/Scheme of Mining : Modif.of approved Mining Plan 23/04/2013
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	No backlogh	The lessee has carried out exploration and completed.	
1b	Exploration over lease area for geological axis 1 or 2	No proposal,	Nil	Entire lease area has been explored in G1 scale
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire lease area has been explored in G1 scale
1e	Balance reserve as on 01/04/20		5,50,425 Tonnes	As on 01.04.2019
1f	General remarks of inspecting officers on geology, exploration etc		It is simple bedded deposit of Proterozoic age (Kurnool group). Lesse has completed the exploration in G-1 scale.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 193726 - 193734 N 1668821 to 1668814	Development is being carried out within approved proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0	
2d	Quantity of topsoil generation in m3	497	Nil	
2e	Quantity of overburden generation in m3	2721 cum	Nil	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc The deposit is simple bedded deposit with sub horizontal dip. The proposal is confined to single pit The development is confined 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	150000 Tonnes	149975 Tonnes	The production of limestone marginally excess by 2000 tonnes. Hence violation not pointed out.
3c	Recovery of sailable/usable mineral from ROM production	98%	100%	
3d	Quantity of mineral reject generation	No proposals	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposals	There is no generation of sub grade mineral.	
3g	Grade of sub grade mineral generation	Not Proposal of any sub grade generation	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal, there exist Dry Crushing & Screening Plan within lease area for size reduction	No mineral segregation is being done, only crushing and screening is being carried out	
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	Drilling machine with 83 mm dia & Blasting is being carried out using slurry explosives in combination with milli second dealy detonator	Drilling and Blasting is reported to be carried out as per approved proposals.
3k	Provision of mining machineries in mineral benches	Machinery provided in mineral benches. Tipper - 10T - 03 Nos. Tipper - 10T - 03 Nos. Drill - 83mm - 02 Ex.- 1.6m3 - 03 nos. Loader - 2.6m3 - 02	Machinery provided in mineral benches. Tipper - 10T - 03 Nos. Drill - 83mm - 02 Ex.- 1.6m3 - 3 Nos. Loader - 2.6m3 - 02 Nos.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes. 3 meteres height	3 meters bench height. It is suitable for method of mining.
3m	Total area covered under excavation/pits	2.83 Ha	2.333 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.018	1:0.02
3o	Total area put in use under different heads at the end of year	Area U/R Mining=2.33 ha Building=0.02 ha crushing &screening=0.10 ha	Area U/R Mining=2.33 ha Building=0.02 ha crushing &screening=0.10 ha

3p	Production of ROM mineral during the last five year period as applicable	2013-14=96,000 T 2014-15=96,000T 2015-16=96,000T 2015-16=96,000T 2016-17=96,000T 2017-18=150000T 2018-19 =150000T	2013-14=105830 T 2014-15=79934T 2015-16=93250T 2016-17=104550T 2017-18=152100T 2018-19 149975 T
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3q	General remarks of inspecting officers on method of mining etc.	Mining operations are being carried out by Open- cast other than fully mechanised mining using HEMM.
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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)	Yes. Top Soil, overburden is to be dumped separately	O.B generated is being dumped on southern side of M.L area.	
4b	Location of topsoil, OB and mineral reject dumps	E 193726.6223 - 193734.774 to N 1668821.40 - 1668814.83	E 1 92565.3439 to 192573.5064 N 1669224.0706 to 1669230.6741.	
4c	Number of dumps within lease area and outside of lease area	One dump within Ml area.	One dump within Ml 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	OPne 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.	It was proposed to construct retaining wall (19 L X 1.0 W X 1.0 H) along bottom periphery of dump.	Retaining wall with dimension of 16 L X 1.0 W X 1.0 H is constructed.
4i	Length of Retaining wall or garland drain all along dumps	20 meters	16 meters
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		One dump exist is protected by retaining wall & garland drain.

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	N.A	N.A.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The top soil used concurrently for afforestation	No top soil generated during the year.	
5d	Total area fully reclaimed and rehabilitated	No proposal	No area is matured for reclamation/rehabilitation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No area is matured for reclamation & rehabilitation	

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).	Yearly report has tom submit as per statue.	Lessee has submitted yearly report for the year 2018-19.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	No area is matured for reclamation/ rehabilitation
6c	afforestation done (ha).	Safety zone area	250 plants planted on safety zone area.	
6d	No. of saplings planted during the year	125 saplings	20 saplings	No area available for plantation
6e	Cumulative no .of plants		450 saplings.	
6f	Any other method of rehabilitation	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	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)	Environment monitoring is to be done regularly.	Environment monitoring is being done regularly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Dump is being protected by Retaining wall & Garland drain, Plantation is being carried out to improve the aesthetic beauty. Environmental monitoring is being done regularly.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be dispatched.	Total ROM is being despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal, Dry crushing and screening is established in the lease area.	Not applicable	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	Only Dry Crushing and Screening	Only Dry crushing & Screening for reduction of size	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM generated is being markated	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top Soil is to be removed seperately and used for plantation	No top soil generated during the year	
8b	Concurrent use or storage of topsoil	Generated top soil in the mine is stored temporarily within ML area and utilised for plantation work.	No Top soil generated during the year	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only waste dump is there in the lease, No reject/ fines dump are proposed	Waste dump is being done in the earmarked place	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	No area is matured for reclamation
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation/ Rehabilitation
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 sapplings are planted in safety barrier zone.	200 sapplings are planted on safety barrier zone to improve the aesthetic beauty.	
8g	Survival rate	No proposal	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	As proposed water sprinkling is being done on haul roads.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee has done avenue plantation along the road to mine, around office and safety zone to improve the aesthetic beauty of in and around lease area.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual returns has to be submitted as per statute.	Monthly returns are submitted by the lessee through online. Annual returns for the year 2018-19 is also submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri K Nagendra Babu, Mining Engineer, Sri Rajshekar reddy, geologist	Above competent persons are employed by the lessee	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining : 2.48 Ha, Infrastructure : 0.942 ha, Waste disposal : 0.02 Ha, Others :0.246 Ha	Area under mining : 2.48 Ha, Infrastructure : 0.942 ha, Waste disposal : 0.02 Ha, Others :0.246 Ha	
9d	Scrutiny of Annual return on afforestation	200	200 sapplings planted	
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	Graded ore of 3492.5 Tonnes reported to be stacked	As reported by lessee	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Tipper - 10T - 03 Nos. Drill - 83mm - 02 Nos. Ex.- 1.6m3 - 3 Nos. Loader - 2.6m3 - 02 Nos.	Tipper - 10T - 03 Nos. Drill - 83mm - 02 Ex.- 1.6m3 - 3 Nos. Loader - 2.6m3 - 02 Nos.	

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 :**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines