

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-177/HYD

Mine code : 38APR11128

- (i) Name of the Inspecting : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI M.BOREDDY MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 30/11/2018
- (v) Prev.inspection date : 02/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PALKUR(4.801 HA)
- (b) **Registration NO.** : IBM/668/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : PALUKUR
- Taluka : BANAGANAPALLI
- Post office : PALUKUR
- Pin Code : 518124
- FAX No. : 08516276242
- E-mail : seshasaimining@yahoo.com
- Phone : 08516273042
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 02/06/2008
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : B.RAJENDRANATH, MINE OWNER,
M/S SESA SAYEE MINING COMPANY
BETHAMCHERLA-518599, KURNOOL DISTRICT.
3. (a) **Lease Number** : APR1927
- (b) **Lease area** : 4.8
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 15/09/2026
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : B. RAJENDRANATH
 B. RAJENDRANATH, H.NO:10/161
 BETHAMCHERLA, KURNOOL DT.
 KURNOOL ANDHRA PRADESH
 Phone:08516-273023
 FAX :

Owner : B. RAJENDRANATH
 MINE OWNER, H.NO:10/161
 BETHAMCHERLA KURNOOL, AP.
 KURNOOL ANDHRA PRADESH
 Phone: 08516-273042
 FAX :

Manager

Name : A Rami Reddy
 Qualification :
 Appointment/ : 02/06/2008
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	12/04/2006
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	08/11/2012
	:	Mining Scheme rule 12 MCDR1988	20/09/2016

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	No proposal.	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	-
1e	Balance reserve as on 01/04/20	352431 tonnes.	325702 tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	No exploration proposal.	Nil	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In B-B,C-C,D-D sections.	As proposal same work is going on.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	one bench in top soil,two benches in ore.	As proposal. same work is going on.	-
2c	Stripping ratio or ore to OB ratio	1 : 0 . 05	1 : 0 . 02	-
2d	Quantity of topsoil generation in m3	No proposal.	Nil	-
2e	Quantity of overburden generation in m3	No proposal.	Nil	What ever top soil generated is utilised for plantation.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	B-B,C-C,& D-D sections.	As proposed work carried out in the same sections.	As proposed work carried out in the same sections.
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Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	proposed in two pits	two pits merged in to one pit.	-
3b	Quantity of ROM mineral production proposed	41225 tonnes.	16319 tonnes.	-
3c	Recovery of sailable/usable mineral from ROM production	1 : 0 . 05	1 : 0 . 02	-
3d	Quantity of mineral reject generation	No proposal.	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
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	Occasional drilling and muffle blasting will be carried out as and when required.	As proposed work carried out	-
3k	Provision of mining machineries in mineral benches	No proposal.	Nil	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1. 5 m	1.5 m	-
3m	Total area covered under excavation/pits	1.7655 ha	0.1755 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0 . 05	1 : 0. 02	-
3o	Total area put in use under different heads at the end of year	area under mining 3.581 ha safety zone- 1.20 ha Roads- .100 ha.	safety zone- 1.20 ha Roads- .100 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14-31592 tonnes 2014-15-31514 tonnes 2015-16-41225 tonnes 2016-17-41225 tonnes 2017-18-41225 tonnes	It was observed that the actual achievement was 2013-14-16030 tonnes 2014-15-8300 tonnes 2015-16-7620 tonnes 2016-17-10340 tonnes 2017-18-16319 tonnes.	-
3q	General remarks of inspecting officers on method of mining etc.	Manual open cast method.	Manual open cast method.	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4e	Number of active and alive dumps.	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4f	Number of dead dumps.	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4g	Number of dumps established.	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.

4j	Number of settling ponds	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.
4k	Specific comments of inspecting officer on waste dump management	No proposal.	Nil	No surface dumping is proposed and simultaneous backfilling is carried out in the mined out area.

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.	proposed part area	0.10 ha	Simultaneous backfilling is carried out in the mined out area.
5b	Area under backfilling of mined out area	0.10 ha	.10 ha	Simultaneous backfilling is carried out in the mined out area.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	What ever top soil generated is utilised for plantation.
5d	Total area fully reclaimed and rehabilitated	Part area with 1507 tonnes.	Part are with 2500 tonnes.	Cummilately backfilled with 49250 tonnes.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	0.10 ha area	0.10 ha area.	Simultaneous backfilling is carried out in the mined out area.

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.	yes submitted.	-

6b	Area available for rehabilitation (ha) .	0.10 ha	0.10ha	-
6c	afforestation done (ha).	250 no plants	150 no of plants.	-
6d	No. of saplings planted during the year	250 on of plants	150 no of plants.	-
6e	Cumulative no .of plants	500 no of plants.	150 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Rs-12500	Not specified.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.10 ha	0.10 ha	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1507 tonnes waste	2500 tonnes waste.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	0.10 ha backfilling	0.10 ha backfilling.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	1507 tonnes of waste	2500 tonnes of waste.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	106 m bund	Nil	-

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	106m bund	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Bund formation.	Nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	It is B category manual mine.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	It is B category manual mine.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sizing and sorting.	Manual sizing and sorting.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing and sorting of all saleable ore.	Manual sizing and sorting of all saleable ore.	-
7c	Different grade of mineral sorted out at mines.	only sorting and sizing	only sorting and sizing	-
7d	Any beneficiation process at mines	None	None	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There is no beneficiation process only sorting and sizing of the saleable ore.	There is no beneficiation process only sorting and sizing of the saleable ore.	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	241 tonnes.	Nil	Whatever top soil generated earlier is utilized for plantation.
8b	Concurrent use or storage of topsoil	No proposal.	Nil	Whatever top soil generated earlier is utilized for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	There is no separate dumps for O.B waste and rejects.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	1507 tonnes.	2500 tonnes	It was reported that a survival rate of 80% in the Annual Return
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	1507 tonnes.	2500 tonnes	cummulatively back filled with 49250 tonnes.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	250 no of plants.	150 no of plants	It was reported that a survival rate of 70% in the Annual Return
8g	Survival rate	250 no of plants.	150 no of plants.	It was reported that a survival rate of 70% in the Annual Return.
8h	Water sprinkling on roads to control airborne dust	yes.	yes.	It is observed that one water tanker for water sprinkling on roads to control airborne dust.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not specified	Nil	Except degraded land rest of things not distrubed.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes, given.	yes, submitted.	Regularly monthly, annual returns submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri A.Rami Reddy, Mines manager. S. Jilani, Mining engineer. G. Harendra, Geologist.	Sri A.Rami Reddy, Mines manager. S. Jilani, Mining engineer. G. Harendra, Geologist.	Sri A.Rami Reddy, Mines manager. S. Jilani, Mining engineer. G. Harendra, Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	under mining - 3.581 ha, Saftey zone- 1.20 ha Roads - 0.100 ha	under mining - 3.581 ha, Saftey zone- 1.20 ha Roads - 0.100 ha	-
9d	Scrutiny of Annual return on afforestation	150 no of plants 70 % survival rate.	150 no of plants 70 % survival rate.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given.	Not given.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	16319 tonnes.	16319 tonnes.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price- Rs- 280/ cost of production- Rs-142/	Ex.mine price- Rs- 280/ cost of production- Rs- 142/	-
9h	Scrutiny of Annual return on fixed assets	yes, given.	yes, given.	-
9k	Scrutiny of Annual return on mining machineries	B manual category.	B manual category.	-

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

Date :

(P.GURUVAIAH)

Indian Bureau of Mines