

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri A.Rami Reddy, Manager(Mines)
Official with
Designation
- (iv) Date of Inspection : 24/03/2017
- (v) Prev.inspection date : 11/03/2015

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 : B.RAJENDRANATH, MINE OWNER,
correspondance 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 exploration was proposed during the year 2015-16.	No exploration was carried out during the year 2015-16	None
1b	Exploration over lease area for geological axis 1 or 2	The total area has been explored under G1 axis	It was noticed that the entire lease area is covered under G1 level of exploration.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	(111)-135823 tonnes as on 1.4.2016 (111)-128503 tonnes as on 1.4.2017	None	None
1f	General remarks of inspecting officers on geology, exploration etc	---	---	It was observed that the lease is under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work the already existing working pit on South Western part of the lease.	It was observed that the workings are as per proposal	None
2c	Stripping ratio or ore to OB ratio	1:0.05	Same was observed	None
2d	Quantity of topsoil generation in m3	It was proposed to generate 241 tonnes of topsoil	No topsoil was generated.	None

2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Proposal to work from the present working pit.	It was noticed that working is done as per proposal	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 41225 tonnes	It was noticed that 7620 tonnes was produced.	None
3c	Recovery of sailable/usable mineral from ROM production	None	None	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to work the mine with manual method	it was observed that the mine is worked manually	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None

3j	Provision of drilling and blasting in mineral benches	Occasional drilling and blasting was proposed	it was noticed that occasional drilling and blasting was carried out.	None
3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	None	None	None
3m	Total area covered under excavation/pits	It was proposed to cover 2.330 ha	It was noticed that 1.842 ha is under mining.	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	None	None
3o	Total area put in use under different heads at the end of year	The total area under mining and allied activities was 1.251 ha	It was noticed that 1.995 ha are is under mining and allied activities	None
3p	Production of ROM mineral during the last five year period as applicable	It was proposed to produce during 2012-13-31592 tonnes 2013-14-31592 tonnes 2014-15-31514 tonnes 2015-16-41225 tonnes 2016-17-41225 tonnes	It was observed that the actual achievement was 2012-13-31550 tonnes 2013-14-16030 tonnes 2014-15-8300 tonnes 2015-16-7620 tonnes 2016-17-10340 tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	The mine is more or less conforming to the various proposals made in the approved document

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	The OB generated is being utilised for Backfilling	None	None

4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	It was proposed to backfill 0.10 ha duirng the year 2016-17	The same was noticed.	None
5b	Area under backfilling of mined out area	0.10 ha	0.10 ha	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None

5d	Total area fully reclaimed and rehabilitated	--	1.906 ha	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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	The Annual report was submitted	None
6b	Area available for rehabilitation (ha) .	None at present	None	None
6c	afforestation done (ha).	It was proposed to plant 550 plants duirng the year 2016-17	It was observed that 400 saplings were planted duirng the year 2015-16	None
6d	No. of saplings planted during the year	550no.s	550 no.s	None
6e	Cumulative no .of plants	1100 no.s	1100 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	Not reported	None	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	it was proposed to backfill 0.10 ha	it was noticed that 0.10 ha has been backfilled	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	It was proposed to afforestation on backfilling area.	The same was noticed.	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	It was proposed to backfill the mined out land	The same was noticed	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	It is a b manual mine

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was reported tha 7620 tonnes was produced duirng 2015-16 and 10410 tonnes duirng 2016-17.	None	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It was reported that 7620 tonnes of cement grade limestone was done duirng the year 2015-16 nand 10410 tonnes duirng 2016-17	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	It was observed that 241 tonnes of topsoil during the year 2015-16 and 241 tonnes during 2016-17.	No topsoil was generated during the year 2016-17	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The OB generated is being partially used for backfilling.	The same was observed during the inspection.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Used for backfiling	Used for backfilling	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	It was proposed to restore/backfill 0.10 ha during the year 2016-17	The same was carried out during the year 2016-17.	The cumulative area backfilled is 1.906 ha.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Except for the plantation done by lessee no the vegetation was observed.	None	None
8g	Survival rate	It was reported that a survival rate of 80% in the Annual return	The same was noticed.	None
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is being done for dust suppression	None	None

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The production reported during the year 2015-16 was 7620 tonnes. During the year 2016-17 it was reported as The mine was reported to have worked for 295 days. The closing stock during the year 2015-16 was reported as 11720 tonnes with an ex-mine price of Rs.155/-	The details given in the Annual return 2015-16 are found to be more or less in order.	Monthly and Annual returns are submitted regularly.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	It was reported that A Mine manager with diploma was Manager(Mines)	It was noticed that Sri A Rami Reddy, was acting as Manager(Mines).	The mine is being operated by way of B manual method
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	In the annual return 2015-16 it was reported that an extent of 1.842 ha is under current workings. It was also reported that an extent of 1.906 ha was reclaimed till date.	The details given are found to be more or less in order.	None

9d	Scrutiny of Annual return on afforestation	It was reported in the AR that 150 no. of saplings were planted during the year 2015-16.	It was noticed that the plantation was done as per proposal	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported in AR that 7620 tonnes was produced during the year.	None	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	it was reported that ex-mine price of Rs.155/- was reported during the year 2015-16	None	None
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets was not reported.	None	None
9k	Scrutiny of Annual return on mining machineries	The mine being B manual no machinery was being reported.	None	None

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 :

(A.V.Ramesh Kumar)

Indian Bureau of Mines