

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

**MCDR inspection REPORT**

**Hyderabad regional office**

Mine file No : AP/KRM/LST-5/HYD

Mine code : 38APR09002

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI P.SAIDULU GEOLOGIST**  
Official with  
Designation
- (iv) Date of Inspection : 12-DEC-24
- (v) Prev.inspection date : ~~07-08-2018~~ **19-JAN-2023**

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **THKKALAPALLY**
- (b) **Registration NO.** : **IBM/245/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TELANGANA**
- District : **KARIMNAGAR PEDDAPALLI**
- Village : **TAKKALLAPALLY**
- Taluka : **PALAKORTHY**
- Post office : **BASANTNAGAR**
- Pin Code : **505187**
- FAX No. : **---**
- E-mail : **kc.mines@kesoram.com**
- Phone : **08728228135**
- (f) **Police Station** : **BASANTHAGAR**
- (g) **First opening date** : **01-FEB-04**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/S KESORAM INDUSTRIES LIMITED**  
**BASANTNAGAR POST**  
**PEDDAPALLI DISTRICT**
3. (a) **Lease Number** : **APR2269**
- (b) **Lease area** : **122.28**
- (c) **Period of lease** : **50 YEARS**
- (d) **Date of Expiry** : ~~20-05-22~~ **19-12-2052**
4. **Mineral worked** : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : KESORAM CEMENT  
 KESORAM CEMENT P.O.  
 BASANTHAGAR KARIMNAGAR  
 DIST. KARIMNAGAR TELANGANA  
 Phone:  
 FAX :040 4657472

Owner : P. RADHAKRISHNANA  
 M/S KESORAM INDUSTRIES  
 MUKHERJEE ROAD KOLKATA  
 KOLKATA WEST BENGAL  
 Phone: 8142211888  
 FAX :

Agent : GAJENDRA PRASAD SAHU  
 TAKKALLAPALLI PALAKURTHY  
 MANDAL PEDDAPALLI DISTRICT  
 KARIMNAGAR TELANGANA  
 Phone:  
 FAX :

Mining Engineer  
 Name : MR. RAVINDER, Full Time  
 Qualification : B.E.  
 Appointment/ : 27-MAY-21  
 Termination date

Geologist  
 Name : SAIDULU, Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ : 06-JUN-22  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26-JUL-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21-APR-09
		Mining Scheme rule 12 MCDR1988	01-APR-15
		MP modif under 17(3) MCR 2016	17-JAN-19

## 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 2023-24	No exploration carried out during the year 2023-24	The entire potentially mineralised area has been explored under G1 level. A total of 34 core boreholes were drilled in the lease.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	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	----	The reserves as on 1-4-2024 are 2.51 million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	----	The entire potentially mineralised area has been explored under G1 level as per UNFC.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop in D and F block on North western side of the lease.	Same was noticed during the inspection.	No deviation.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	One bench in mineral was formed.	No deviation.
2c	Stripping ratio or ore to OB ratio	1:1.64	1:0.30	No comments
2d	Quantity of topsoil generation in m3	Nil	Nil	No topsoil present in the lease.
2e	Quantity of overburden generation in m3	1,84,460 cubic meters was proposed to be generated during the year 2023-24.	actual OB reported was 2,412 cubic meters.	No comments.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	None	The development being done by lessee as proposed.

#### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	No deviation
3b	Quantity of ROM mineral production proposed	The ROM proposed to be produced during the year 2023-24 was 2,81,350 tonnes	The actual ROM generated was 20,000 tonnes during 2023-24.	A violation letter for less production during the last three years was issued to lessee.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to utilise the 100 % mineral in the cement plant of lessee.	Same was noticed during the inspection.	No comments
3d	Quantity of mineral reject generation	Nil	Nil	Nil

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	None	None	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	Yes	Yes	No comments
3k	Provision of mining machineries in mineral benches	Yes	Yes,HEMM being used for excavation and transportation of mineral.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meters	6 meters	No deviation.
3m	Total area covered under excavation/pits	14.823 ha	11.320 ha	No comments
3n	Ore to OB ratio for the pit/mine during the year.	1:1.64	1:0.30	No comments
3o	Total area put in use under different heads at the end of year	24.20 ha	24.20 ha	No comments

3p	Production of ROM mineral during the last five year period as applicable	2020-21 - 2,72,850 tonnes 2021-22 - 2,77,168 tonnes 2022-23 - 3,48,925 tonnes 2023-24 - 2,81,350 tonnes	2020-21 - 55,000 tonnes 2021-22 - 15,000 tonnes 2022-23 - 20,000 tonnes 2023-24 - 20,000 tonnes	A violation for lessee deviation was issued.
3q	General remarks of inspecting officers on method of mining etc.	---	----	The lessee has produced lessee ROM than proposed for the last three years. A violation letter for the same was issued under rule 11(1) of MCDR, 2017.

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**Solid Waste Management - Dumping:**

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	The OB generated being dumped on the North east side of the lease.	No deviation.
4b	Location of topsoil, OB and mineral reject dumps	North eastern side of the lease.	Same was noticed during the inspection.	No comments
4c	Number of dumps within lease area and outside of lease area	One	One	No deviation
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond the UPL	Beyond the UPL	No comments
4e	Number of active and alive dumps.	One	One	No comments
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.	Yes	Yes	No deviation
4i	Length of Retaining wall or garland drain all along dumps	300 meters	300 meters	No comments
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	---	---	The waste handling/dumping being carried out as proposed. The generated OB is less than proposed OB. The reason as reported being less production. A violation for the same has been issued.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No reclamation measures proposed as no area matured.	No reclamation was carried out in 2023-24	No deviation.
5b	Area under backfilling of mined out area	None	None	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	Nil	Nil	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	Yes	No deviation.
6b	Area available for rehabilitation (ha) .	Nil	Nil	None
6c	afforestation done (ha).	0.20 ha	0.20 ha	No comments
6d	No. of saplings planted during the year	435 saplings duirng the year 2023-24	420 saplings duirng the year 2023-24.	No comments
6e	Cumulative no .of plants	---	15,340 plants reportedly planted cumulatively.	No comments
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	----	Rs,3,50,000/- as informed by lessee	No comments
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out environmental monitoring regularly.	Regular environmental monitoring of all relevant parameters being carried and found to be within permissible limits as reported by lessee.	No comments
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	The lessee is implementing all the measures as proposed in the approved document for Progressive Mine closure practises.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	None	No grade-wise sorting was proposed nor practised in the lease.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	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

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**Environment:**

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	No deviation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	The waste generated is dumped seperately.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	The lessee has carried out the plantation as proposed.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	None	None excpet for plantation made by lessee and few bushes, no other vegetation noticed in the lease.	No comments
8g	Survival rate	80%	70%	No comments
8h	Water sprinkling on roads to control airborne dust	It was proposed to control the dust suppression by water sprinkling,	A water tanker being used for sprinkling the water for control of dust generated during the excavation and transportation of ROM.	No deviation.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	The general aesthetic beauty of the lease can be categorised as average and needs improvement.
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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	yes the monthly and annual return are being submitted within the prescribed timelines	No comments
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	as per the annual return 2023-24, Sri Ravinder and Sri Saidulu as Mining Engineer and Geologist.	Same was confirmed during the inspection.	No comments
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	area under pit - 11.320 ha Dump - 2.610 ha	Same was confirmed during the inspection.	No comments
9d	Scrutiny of Annual return on afforestation	420 saplings during the year 2023-24	Same was noticed duirng the inspection	No comments
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	20,000 tonnes reported during the year 2023-24.	Same was confirmed duirng the inspection.	No comments
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported in the annual return 2023-24 was Rs.420/- per ton.	Same was confirmed during the inspection.	No comments

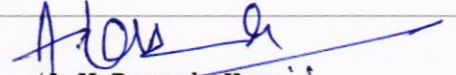
9h	Scrutiny of Annual return on fixed assets	As per the annual return 2023-24, the value of fixed returns was reported as Nil	Same was not verified.	No comments
9k	Scrutiny of Annual return on mining machineries	Drill machine -1 Excavator - 1 Dozer - 1 Dumper -1 tippers - 3 Jeep -1	Same was noticed during the inspection.	No comments

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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)	06-JAN-25			

Date : 07.01.2025

  
(A.V. Ramesh Kumar)

Indian Bureau of Mines