

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KRM/LST-1/HYD

**Mine code :** 38APR09001

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Sadasiva Rao, Geologist  
Official with  
Designation
- (iv) Date of Inspection : 12-DEC-24
- (v) Prev.inspection date : 20-SEP-24

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BASANTNAGAR**
- (b) **Registration NO.** : **IBM/245/2011**
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : **TELANGANA**
- District : **KARIMNAGAR**
- Village : **BASANTNAGAR**
- Taluka : **RAMAGUNDAM**
- Post office : **BASANTNAGAR**
- Pin Code : **505187**
- FAX No. : **--**
- E-mail : **kc.mines@kesoram.com**
- Phone : **08728228123**
- (f) **Police Station** : **Peddapalli**
- (g) **First opening date** : **01-JAN-65**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **M/s Kesoram Industries Limited**  
**correspondance** : **Basantnagar post, Peddapalli district**
3. (a) **Lease Number** : **APR0033**
- (b) **Lease area** : **360.25**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **~~31-03-2026~~ 31-03-2030**
4. **Mineral worked** : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : KESORAM CEMENT  
 KESORAM CEMENT P.O.  
 BASANTHNAGAR 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 :

## Geologist

Name : B.SADASIVA RAO, Full Time  
 Qualification : M.Sc  
 Appointment/ : 04-JUL-08  
 Termination date

## Manager

Name : M.Ravindar Reddy, DGM (MInes)  
 Qualification : B.E.Mining  
 Appointment/ : 31-AUG-14  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27-JUN-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	01-FEB-05
	:	Renewal under rule 24 MCR1960	09-OCT-06
	:	Mining Scheme rule 12 MCDR1988	23-AUG-12
	:	MP modif under 17(3) MCR 2016	08-MAR-17

*Modified Mining Plan*

*16-06-2021*

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of exploration was pending to be carried out.	No exploration was carried out during the year 2023-24.	No comments
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposed during the year 2023-24.	No exploration carried out during the year 2023-24.	No comments
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	The entire potentially mineralised zone has been explored under G1 level.
1e	Balance reserve as on 01/04/20	----	The reserves as on 1-4-2024 are 6 million tonnes.	No comments
1f	General remarks of inspecting officers on geology, exploration etc	No exploration proposed by the lessee during the year 2023-24.	No exploration was carried out by lessee during the year 2023-24.	The entire potentially mineralised zone has been explored under G1 level. A total of 144 boreholes were drilled in a grid of 100 x 100 meters. The deposit falls under Sullavai series equivalent to lower vindhyan group of rocks.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	It was proposed to excavate from H,G & F block.	Same was noticed during the inspection.	No comments.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Three benches in Overbvuirden and three benches in mineral.	No deviation.
2c	Stripping ratio or ore to OB ratio	1:2.73	1:2.69	No comments
2d	Quantity of topsoil generation in m3	Nil	Nil	None
2e	Quantity of overburden generation in m3	7,08,120 cubic meters	13,10,321 cubic meters	No comments
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	The development being carried out as per the proposals made in the approved documnt.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Five pits	Five pits	No deviation.
3b	Quantity of ROM mineral production proposed	1.92 million tonnes	1.22 million tonnes	No comments
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	No comments
3d	Quantity of mineral reject generation	Nil	None	No comments.No mineral reject generation proposed and reported by the lessee.



3e	Grade of mineral rejects generation and threshold value declared.	Nil	None	None	Not applicable.
3f	Quantity of sub grade mineral generation.	None	None	None	No subgrade mineral generation proposed or generated by the lessee.
3g	Grade of sub grade mineral generation	Nil	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None	None
3j	Provision of drilling and blasting in mineral benches	Yes	Drilling and blasting as proposed being carried out.	Drilling and blasting as proposed being carried out.	Deep hole drilling being carried out in the mineral benches.
3k	Provision of mining machineries in mineral benches	Yes	HEMM being utilised for excavation and loading of the mineral and overburden in the lease.	HEMM being utilised for excavation and loading of the mineral and overburden in the lease.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 meters	10 meters	10 meters	No comments
3m	Total area covered under excavation/pits	119.40 ha	118.040 ha	118.040 ha	No comments
3n	Ore to OB ratio for the pit/mine during the year.	1:2.73	1:2.65	1:2.65	No comments

3o	Total area put in use under different heads at the end of year	----	Under pits - 118.030 ha Dumps - 110.60 ha infrastructure - 4.20 ha	No comments
3p	Production of ROM mineral during the last five year period as applicable	2020-21 - 1.65 million tonnes 2021-22 - 1.63 million tonnes 2022-23 - 1.78 million tonnes 2023-24 - 1.92 million tonnes	2020-21 - 1.90 million tonnes 2021-22 - 1.28 million tonnes 2022-23 - 1.130 million tonnes 2023-24 - 1.220 million tonnes	No deviation.
3q	General remarks of inspecting officers on method of mining etc.	None	None	No comments

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	yes seperate dumping of waste was observed on North west, Nort east & South west sides of the lease as proposed in the approved document.	No deviation noticed.
4b	Location of topsoil, OB and mineral reject dumps	seperate dumping of waste was proposed on North west, Nort east & South west sides of the lease as per approved document.	Same was noticed duirng the inspection.	No comments
4c	Number of dumps within lease area and outside of lease area	5 within lease.	5 within lease.	No comments
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	beyond UPL	Beyond UPL	No comments

4e	Number of active and alive dumps.	5 active dumps	5 active dumps	No comments
4f	Number of dead dumps.	Nil	NilTwo	No comments
4g	Number of dumps established.	Two	two	No comments
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	Yes retaining wall and garland drain constructed as proposed.	No comments
4i	Length of Retaining wall or garland drain all along dumps	400 meters	400 meters	No comments
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	No comments

#### 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 proposed during the year 2023-24	No reclamation measures taken up during the year 2023-24.	No comments
5b	Area under backfilling of mined out area	None proposed during the year 2023-24	No backfilling carried out during the year 2023-24.	No comments
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal for generation of topsoil during the year 2023-24	No topsoil generated during the year 2023-24.	No comments
5d	Total area fully reclaimed and rehabilitated	No reclamation proposed during the year 2023-24	No reclamation carried out during the year 2023-24	No comments



5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	a total of about 11.510 ha has been reclaimed by way of backfilling and about 5.42 ha mined out area converted into water reservoir in the earlier years.
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#### 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 comments
6b	Area available for rehabilitation (ha) .	None	None	No comments
6c	afforestation done (ha).	Nil	Nil	No comments
6d	No. of saplings planted during the year	Nil	Nil	None
6e	Cumulative no .of plants	---	1,78,325 no.s	No comments
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	It was informed by the lessee that about an expenditure of Rs.3,40,000/- towards watch and care during the year.	No comments.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	None	None	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	None	None	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.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	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)	It was proposed to carry out regular environmental monitoring in both the buffer and core zone.	Regular environmental monitoring of environmental parameters being carried out in both buffer and core zones all the environmental parameters are within the permissible limits.	No comments.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	All the PMCP measures as proposed in the approved document are being implemented by the lessee.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No practise of grade-wise sorting proposed within the lease area.	No such practise was noticed in the mining lease.	No comments
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

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	There was no proposal for generation for topsoil.

8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Seperate dump for dumping waste was proposed and same being carried out as proposed.	No comments
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	The waste generated is being dumped at the proposed site.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None proposed during the year 2023-24	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for the plantation made by the lessee and few bushes, no other type of vegetation noticed in the lease.	No comments
8g	Survival rate	None	None	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to suppress the dust by sprinkling the water.	Same was observed during the inspection.	No comments.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	No comments

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The annual and monthly returns being submitted within the prescribed timelines by the lessee.	No comments.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	as per the annual return 2023-24, Sri M.Ravi and Sri Sadasiv Rao are appointed as Mining Engineer and geologist respectively.	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.	Pits - 118.030 ha Dumps - 110.610 ha reclaimed and rehabilitated - 16.930 ha	Same was confirmed during the inspection.	No comments.
9d	Scrutiny of Annual return on afforestation	Nil plantation reported.	Same was noted during 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	1.22 million tonnes reported during the year 2023-24	Same was confirmed during the inspection.	No comments
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported as per annual return 2023-24 was Rs.420/- per tonne	Same was confirmed during the inspection.	No comments.
9h	Scrutiny of Annual return on fixed assets	A value of 112 crore rupees was reported as per the annual return 2023-24 for fixed assets.	The same was not verified.	No comments.



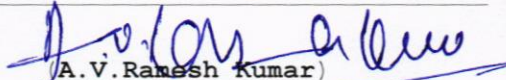
9k	Scrutiny of Annual return on mining machineries	The mining machineries reported as per annual return 2023-24 are given below: 1. AIR COMPRESSOR - 1 no. 2. BLAST HOST DRILL - 2 no.s 3. DOZER - 1 4. SHOVEL (HYDRAULIC) - 4 no.s 5. DUMPER - 3 no.s 6. FRONT END LOADER - 1 no. 7. EXPLOSIVE VAN - 1 no. 8. WATER TANKER - 1 no. 9. TIPPER - 8 NO.S	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

Date : 10-01-2025

  
A.V. Ramesh Kumar

Indian Bureau of Mines