

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri.M. Ravindar reddy, DGM(Mines) & Sri. B.Sadasiva R
Official with
Designation
- (iv) Date of Inspection : 30/10/2017
- (v) Prev.inspection date : 08/10/2012

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. : **08728-228160**
- E-mail : **kesocoid@cal3.vsnl.net.in**
- Phone : **08728-228135**
- (f) Police Station :
- (g) First opening date : **01/01/1965**
- (h) Weekly day of rest : **SUN**
2. Address for : **BASANTHNAGAR**
correspondance : **RAMAGUNDAM TALUKA**
: **KARIMNAGAR DISTRICT**
3. (a) Lease Number : **APR0033**
- (b) Lease area : **643.54**
- (c) Period of lease : **20**
- (d) Date of Expiry : **17/08/2026**
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 : Tridib Kumar Das, Whole time Director
 Kesoram Industries Ltd. 5A
 & B, Amaravati, 63, Purna
 Das Road Kolkata-700029
 KOLKATA WEST BENGAL
 Phone:
 FAX :

Agent : Ch.S.Nageswara Rao, Plant Head
 Kesoram Cement,
 Basantnagar(PO)
 Ramagundam(M) Telangana
 KARIMNAGAR TELANGANA
 Phone: 08728-228135
 FAX : 08728-228160

Geologist
 Name : B.SADASIVA RAO, Full Time
 Qualification : M.Sc
 Appointment/ : 04/07/2008
 Termination date

Manager
 Name : M.Ravindar Reddy, DGM (MInes)
 Qualification : B.E.Mining
 Appointment/ : 31/08/2014
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/06/2000
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	01/02/2005
		Renewal under rule 24 MCR1960	09/10/2006
		Mining Scheme rule 12 MCDR1988	23/08/2012
		MP modif under 17(3) MCR 2016	08/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	8 Core Bore Holes and 5 DTH Area covered 40.81 ha under G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	8,60,000/- (for the total exploration proposed during the five year period)	B.S.Envi Tech, Hyderabad Rs.12,00,000/- (for the total exploration proposed during the five year period)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	13.10 Million Tonnes	13.16 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Total mineralised area has been explored.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between section lines Y-Y' & V-V' in H Block, P-P' in G Block, E-E' in E & I Blocks and Q-Q' in F Block	Between section lines Y' & V-V' in H Block, P-P' in G Block, E-E' in E & I Blocks and Q-Q' in F Block	Only 50% has been achieved against the proposed production due to less demand from plant.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-NIL, OB-7, Ore -2 benches	Top soil-NIL, OB-7, Ore -2 benches	
2c	Stripping ratio or ore to OB ratio	1:0.84	1:1.58	Due to steep dip
2d	Quantity of topsoil generation in m3	NIL	NIL	

2e	Quantity of overburden generation in m3	7,80,570 m3	9,12,474 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	Development work is being carried out more than the proposed due to steep dipping.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Five pits	Five pits	
3b	Quantity of ROM mineral production proposed	9,73,215 tonnes	8,20,000 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	Total ROM is being dispatched
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	

3j	Provision of drilling and blasting in mineral benches	Proposed, Drill depth - 11 m, Spacing and Burden-8 x 5m	Provided, Drill depth - 11 m, Spacing and Burden-8 x 5m	
3k	Provision of mining machineries in mineral benches	Excavators, Dumpers etc.,	Excavators, Dumpers etc.,	Separate Mining Machinery statement attached.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 m	10 m	
3m	Total area covered under excavation/pits	116.15 ha	116.15 ha	
3n	Ore to OB ratio for the pit/mine during the year.	E block-0.12, G block-0.79, H block-3.85, F block- 0.20, I block-3.49	E block-0.52, G block & H block -4.31, F block- 2.10, I block-0.07	Deviation is due to steep dipping of the Ore Body
3o	Total area put in use under different heads at the end of year	257.78 ha	257.78 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13- 1,762,299 t, 2013-14-- 1,793,072 t, 2014-15-- 1,739,481 t, 2015-16-- 1,775,445 t, 2016-17-- 973,215 t	2012-13-1,140,000 t, 2013-14--1,050,000 t, 2014-15--770,000 t, 2015-16--815,000 t, 2016-17--820,000 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out as proposed under A mechanised open cast mining 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)	Separate dumping sites for top soil & OB were earmarked within the lease area	There is one top soil dump and 6 waste dumps in the designated places.	During this scheme period , there is no proposal for top soil generation.
4b	Location of topsoil, OB and mineral reject dumps	North West, North East & South West sides of the lease area	North West, North East & South West sides of the lease area	
4c	Number of dumps within lease area and outside of lease area	Seven	Seven	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	Five	Five	
4f	Number of dead dumps.	Two	Two	
4g	Number of dumps established.	Two	Two	
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	Construction of retaining wall started in the year 2017-18
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	_____

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.	NIL	NIL	

5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	_____

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yearly report has to be submitted	Yearly report has been submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1980 plants	15,000 plants have been planted within and outside ML area.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring is proposed	Quarterly environmental monitoring is being carried out and the reports are submitted to IBM

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Progressive mining operations are being carried out as per the approved proposals.
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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 grade wise sorting proposed	NIL	Total ROM is being sent to crusher
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	No mineral beneficiation is required since total ROM is being utilised.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB dumps	OB dumps	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1980 Plants	15000 Plants within and outside ML	
8g	Survival rate	90%	75%	
8h	Water sprinkling on roads to control airborne dust	Water tanker of 12 KL capacity	Water tanker of 12 KL capacity deployed for water sprinkling	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	The area in and around the mine is with aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Online monthly and Annual returns are submitted up to date	Online monthly and Annual returns are submitted up to date	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager and Mining Engineer-Sri. M.Ravindar Reddy M.Ravindar Reddy Geologist-Sri.B.Sadasiva Rao	Manager and Mining Engineer-Sri. M.Ravindar Reddy Geologist-Sri.B.Sadasiva Rao	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-116.150 Ha, Reclaimed area-39.93 ha, Dumps-76.17 ha	Area under pits-116.150 Ha, Reclaimed area-39.93 ha, Dumps-76.17 ha	
9d	Scrutiny of Annual return on afforestation	15000 within & outside ML	15000 within & outside ML	
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	8,20,000 tonnes	8,20,000 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production- Rs. 584.17/-	Cost of Production- Rs. 584.17/-	There is no sale value and Ex.Mine price since it is captive mining
9h	Scrutiny of Annual return on fixed assets	Rs.7,40,53,553 /-	Rs.7,40,53,553/-	
9k	Scrutiny of Annual return on mining machineries	Statement attached	Statement attached	

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 :

(Ch.Suseela)

Indian Bureau of Mines