

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

Mining Plan Modification REPORT

Bangalore regional office

Mine file No : KNT/GLB/LST-52/BNG

Mine code : 38KAR10022

- (i) Name of the Inspecting : **A101**) **ARUN KUMAR**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 15/12/2018
- (v) Prev.inspection date : 07/10/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KODLA LIMESTONE MINE NO.2**
- (b) **Registration NO.** : **IBM/960/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **GULBARGA**
- Village : **KODLA & BENKANHALLI**
- Taluka : **SEDAM**
- Post office : **SEDAM**
- Pin Code : **585222**
- FAX No. :
- E-mail : **NAIDUKM@SHREECEMENTLTD.COM**
- Phone : **7349213751**
- (f) **Police Station** : **SEDAM**
- (g) **First opening date** : **05/12/2016**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **KODLA & BENKANHALLI VILLAGE**
SEDAM TALUK
GULBARGA DISTRICT
3. (a) **Lease Number** : **KAR1700**
- (b) **Lease area** : **91.87**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **06/06/2044**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : SHREE CEMENT LTD.
P B No. 33, Bangur Nagar
Beawar P O BEAWAR
RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

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	517.61 ha	The potential mineralised area (517.61 ha) has already been explored at G1 level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Exploration agency- Shree Cement Limited Expenditure incurred :Rs. 65,41,100	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	-
1e	Balance reserve as on 01/04/20		222.80 million tonnes as on 01.04.2018	As per AR
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The potential mineralised area of 517.61 ha has already been explored at G1 level with 222.80 million tonnes reserves

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	S5 to S9 & E5 to E9	S5 to S7 & E5 to E9	Violation pointed out for changing the location of development
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Bench proposed for Topsoil, overburden and Mineral.	Separate Bench maintained for Top soil, Overburden and Mineral.	-
2c	Stripping ratio or ore to OB ratio	1:0.07	Nil	No development done in 2017-18
2d	Quantity of topsoil generation in m3	Nil	Nil	-

2e	Quantity of overburden generation in m3	0.035	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine was opened in August 2018 after obtaining all the statutory clearances

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit proposed	Nil	Approx. Size of Area : 200 x 200 Mtr, Depth : 09 Mtrs on the date of inspection
3b	Quantity of ROM mineral production proposed	0.96 million tonnes	Nil	No production in 2017-18 as consent to operate (CFO) was not available
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	Entire ROM was proposed to be used for Captive Consumption.
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	Mechanized method Proposed	Nil	Mechanized Mining with Shovel & Dumper Combination

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	Drilling by one 6-inch Dia. Drill Machine & Deep Hole Blasting Proposed	Nil	Necessary Permission from DGMS obtained for use of HEMM with Deep Hole Drilling & Blasting under Reg 106(2)(b) of MMR,1961
3k	Provision of mining machineries in mineral benches	Mining machineries proposed in mineral benches	Nil	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of Bench in OB- 1 meter Height of Bench in Limestone - 12 meter proposed	Nil	-
3m	Total area covered under excavation/pits	20.2 ha proposed	Nil	Approx. 7.4 ha covered under excavation on the date of inspection
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07	Nil	Mine was not in operation during 2017-18
3o	Total area put in use under different heads at the end of year	Excavation 20.2 ha Top Soil Stock -1.2 ha Waste Dump- 0.9 ha Mineral Storage- 0.0 Infra- 0.8 ha Roads- 0.5 ha	nIL	-
3p	Production of ROM mineral during the last five year period as applicable	2014-15: Nil 2015-16: 3.54 2016-17: 3.83 2017-18: 0.96 (in Million tonnes)	2014-15: Nil 2015-16: Nil 2016-17: Nil 2017-18: Nil	No production till 31.03.2018 as CFO was not obtained

3q	General remarks - of inspecting officers on method of mining etc.	-	-	No production in 2017-18 as consent to operate (CFO) received on 07.09.2018.(ii) Cement Plant commissioned on 9.11.2018
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	(i) For Topsoil Stacking as well as concurrent use (ii) Separate Dumping for OB	Nil	-
4b	Location of topsoil, OB and mineral reject dumps	(i) Top Soil stock:S2-S4 & E6-E8 (ii) OB dump:S6-S8 & E0-E1 and S1-S3 & E3-E7	OB dumped in E8-E11	On the date of inspection OB dump location was changed.Violation pointed out
4c	Number of dumps within lease area and outside of lease area	Outside Lease Area : Nil With In Lease Area :2 Nos. Proposed(1 top soil & 1OB)	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL	Inside UPL	Dumps proposed are temporary in nature & will be rehandled once area for backfilling is available.
4e	Number of active and alive dumps.	2 Nos.	Nil	-
4f	Number of dead dumps.	No proposal	Nil	-
4g	Number of dumps established.	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	RW & Garland drain proposed	Nil	-

4i	Length of Retaining wall or garland drain all along dumps	RW : 350 Mtr GD : 390 Mtr	Nil	The mine thas started in 2018
4j	Number of settling ponds	2	Nil	-
4k	Specific comments of inspecting officer on waste dump management			The mine started in Sep 2018 after obtaining the CFO.

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.	No Proposal	Nil	-
5b	Area under backfilling of mined out area	No Proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use as well as stacking of Topsoil proposed	Nil	-
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	The mine has recently started. Backfilling proposed at the end of the life of the mine after exhausting all the mineral.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP to be submitted before 1st July every year	Annual report on PMCP has been submitted for FY 2017-18 on 30.06.2018	-
6b	Area available for rehabilitation (ha) .	No proposal	Nil	-
6c	afforestation done (ha).	No proposal	nil	-
6d	No. of saplings planted during the year	No proposal	nil	-
6e	Cumulative no .of plants	No proposal	nil	-
6f	Any other method of rehabilitation	No proposal	nil	-
6g	Cost incurred on watch and care during the year	No proposal	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	nil	-

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	nil	-	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2.234 Ha inside ML	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Proposed By Plantation	Nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed in core zone & buffer zone	Nil	The mine started in 2018.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	The mine was started in 2018 due to non availability of CFO.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM generated to be crushed & no sorting proposed	Nil	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanicalmeth od proposed	Nil	Only crushing for size reduction
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	-

7d	Any beneficiation process at mines	No proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All the ROM excavated is proposed to be crushed and dispatched to plant thru belt conveyor

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil proposed	Nil	-
8b	Concurrent use or storage of topsoil	Storage & use proposed	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate OB dump proposed	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Available	Nil	-

8g	Survival rate	85 %	Nil	-
8h	Water sprinkling on roads to control airborne dust	Dust suppression methods proposed	Nil	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine has started recently and plantation done in the plant area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Nov.18 A.R. Submitted for FY 2017-18	AR of Kodla Limestone Mine No. 1 & 2 submitted on 30.06.2018	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sh. Saddique Basha Geologist- Sh GNS Rangarao Manager- Kiran Mohan Naidu	Same as given	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	The entire mine area is virgin as mines have been opened on 07.09.2018.	
9d	Scrutiny of Annual return on afforestation	Nil	Mines have been opened on 07.09.2018	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	mine have been opened on 07.09.2018	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	il	Mine have been opened on 07.09.2018	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Mine have been opened on 07.09.2018	

9h	Scrutiny of Annual return on fixed assets	Nil	mine have been opened on 07.09.2018
9k	Scrutiny of Annual return on mining machineries	Nil	Mine have been opened on 07.09.2018

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
MCDR17	Rule 11(1)	21/12/2018	18/03/2019			

Date :

(ARUN KUMAR)

Indian Bureau of Mines