

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-54/HYD

Mine code : 38APR07068

- (i) Name of the Inspecting : M029) MADHU SUDHAN YADAV M
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Kiran Naidu, Mine Manager, Sri. GNS Ranga Rao, G
Official with
Designation
- (iv) Date of Inspection : 22-SEP-22
- (v) Prev.inspection date : 28-JUL-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : KACHAVARAM LIMESTON (283.585 Ha)
- (b) Registration NO. : IBM/960/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : GUNTUR
Village : KACHAVARAM & INUPARA
Taluka : KAREMPUDI
Post office : GUNTUR
Pin Code : 522002
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 30-JUN-18
- (h) Weekly day of rest : SUN
2. Address for :
correspondance :
3. (a) Lease Number :
(b) Lease area : 283.585 Ha
(c) Period of lease : 50 years
(d) Date of Expiry : 05/01/57
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHREE CEMENT LTD.
Bangur Nagar post box
no.33,Bewar Rajasthan,
BEAWAR RAJASTHAN
Phone:
FAX :

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

: Fresh under rule 22 MCR1960
MP review under 17(1) MCR 2016
MP modif under 17(3) MCR 2016

03-AUG-12
24-NOV-20
01-NOV-21

PART - II OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	As per the last approved Modified Mining Plan, the entire area has been explored under G1 level of exploration.
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2022 - 194.8 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			As per the last approved Modified Mining Plan, the entire area has been explored under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E364200- E364400 to N1828200- N1828600	Work done within the proposed co-ordinates	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil - 1 bench Overburden - 1 bench Mineral - 1 bench	Only mineral benches developed	

2c	Stripping ratio or ore to OB ratio	1:0.11	Nil	
2d	Quantity of topsoil generation in m3	2021-22 - 1745 cu.m	No record maintained for topsoil removal. Violation issued as per rule	
2e	Quantity of overburden generation in m3	2021-22- 26175 cu.m	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The topsoil existing in the working area is not being excavated separately and were stored around the mining pit. Violation issued as per rule.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2021-22 - 5000 Te	2021-22 - 3580 Te	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
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	No proposal	Nil
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 and blasting is proposed in the mineral benches.	It was informed by the lessee that Rock breaker were used to break the limestone, since the mining pit is in initial stage of development.
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination was proposed.	It was reported by the lessee that excavator and dumpers used in the mining pit.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height is 12 meters in mineral	Only one bench formed of height of 5meters
3m	Total area covered under excavation/pits	20.61 Ha	0.006 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	Nil
3o	Total area put in use under different heads at the end of year	Pit - 20.61 Ha Waste dumping - 0.32 Ha Mineral Storage - 0.04 Ha Infrastructure - 1.0 Ha Roads - 1.36 Ha	Pit - 0.006 Ha Infrastructure - 1.16 Ha

3p Production of ROM mineral during the last five year period as applicable 2021-22 - 5000 Te 2021-22 - 3580 Te

3q General remarks of inspecting officers on method of mining etc.

The topsoil existing in the working area is not being excavated separately and were stored around the mining pit. Violation issued as per rule.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumping proposed	No dumping done as per proposal. Violation issued as per rule.	
4b	Location of topsoil, OB and mineral reject dumps	E363600- E363800, N1828600- N1828800	Dumping not done in the proposed location, instead stored around the mining pit.	
4c	Number of dumps within lease area and outside of lease area	Dump proposed within the lease area	No dump developed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump proposed outsided UPL	No dump developed	
4e	Number of active and alive dumps.	One dump proposed	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	One dump proposed to established	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain proposed	No work done as per proposal. Violation issued as per rule.	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall - 8800 meters Garland drain - 900 meters	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			No dump developed as per proposal, waste material were stored around the mining pit. Violation issued as per rule.

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)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

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).	To be submitted in time	Not submitted. Violation issued as per rule.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2021-22- 1.0 Ha	2021-22- Nil	Violation issued as per rule for not carrying out plantation work as per proposal
6d	No. of saplings planted during the year	2021-22 - 1200 Nos.	2021-22- Nil	Violation issued as per rule for not carrying out plantation work as per proposal
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 (L x 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.	No proposal	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)	No proposal	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation work not carried out as per approved mining plan proposal. Violation issued as per rule.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed in 2021-22. Entire ROM is to be despatched.	No grade wise sorting done and entire ROM is despatched during 2021-22.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
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			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral can be utilised for captive plant.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to removed topsoil seperately	Topsoil not removed seperately. Violation issued as per rule.	
8b	Concurrent use or storage of topsoil	Proposed to use for plantation	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dump proposed	No dump developed as per proposal	

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)	Proposed to plant 1200 Nos. of saplings in 1.0 Ha area	Nil	
8g	Survival rate	No proposal	Nil	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No plantation carried out as per proposal. Violation issued as per rule.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted as per rule.	Submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. Chethan Sharma Mining Engineer - Sri. Chethan Sharma Geologist - Sri. Yogesh Dadich	Manager - Sri. Kiran Naidu Mining Engineer - Sri. Kiran Naidu Geologist - Sri. GNS Ranga Rao	Show cause notice issued as per rule.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 0.006 Ha Infrastructure - 1.16 Ha	Pit - 0.006 Ha Infrastructure - 1.16 Ha	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production is Rs.1644.80/-	Rs.1644.80/-	
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets is Rs.1898925/-	Fixed asset could not be verified.	
9k	Scrutiny of Annual return on mining machineries	Machinery details not submitted		Show cause notice issued as per rule.

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 45(7) (a)	29-SEP-22				
MCDR17 Rule 11(1)	29-SEP-22				
MCDR17 Rule 26(2)	29-SEP-22				
MCDR17 Rule 31(1)	29-SEP-22				
MCDR17 Rule 36(1)	29-SEP-22				
MCDR17 Rule 54(a)	29-SEP-22				

Date : 16/11/2022

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines

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