

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/ANP/LST-36/HYD

Mine code : 38APR02052

- (i) Name of the Inspecting : RK13) A.V.Ramesh Kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/Shri Siram Suresh Reddy, Mines manager cum Mining E
Official with
Designation
- (iv) Date of Inspection : 02-SEP-23
- (v) Prev.inspection date : 25-SEP-20

PART-I : GENERAL INFORMATION

1. (a) Mine Name : GUDIPADU(454.59 HA)
- (b) Registration NO. : IBM/18063/2014
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : ANANTAPUR
Village : GUDIPADU
Taluka : YADIKI
Post office : GUDIPADU
Pin Code : 515408
FAX No. : 04023356573
E-mail : sureshreddys@sagarcements..
Phone : 04023351571
- (f) Police Station : Yadiki
- (g) First opening date : 23-DEC-15
- (h) Weekly day of rest : SUN
2. Address for : M/s BMM Cement
correspondance Gudipadu village & Post, Yadkli Mandal,
Ananthapur, Dist, Andhra Pradesh.
3. (a) Lease Number :
(b) Lease area : 454.59
(c) Period of lease : 50 YEARS
(d) Date of Expiry : 23-12-2055
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : BMM CEMENT LTD
 101, 1ST FLOOR, PRIDE ELITE
 nO. 10, mUSEUM ROAD,
 BANGALORE. ANANTAPUR ANDHRA
 PRADESH
 Phone:
 FAX :

Owner : S.ANANDA REDDY
 H.NO.8-2-472/B/2, ROAD NO.1
 BANJARA HILLS HYDERABAD
 HYDERABAD TELANGANA
 Phone: 04023351571
 FAX : 04023356573

Agent : E PANDURANGA REDDY
 M/S SAGAR CEMENTS LIMITED
 GUDIPADU VILLAGE &, YADIKI
 MANDAL ANANTOUR DISTRICT
 ANANTAPUR ANDHRA PRADESH
 Phone: 9912229211
 FAX :

Mining Engineer

Name : SIRAM SURESH REDDY, Full Time
 Qualification : BE MINING ENGINEERING
 Appointment/ : 16-DEC-15
 Termination date

Geologist

Name : C Venkata Ramana, Full Time
 Qualification : MSC Geology & Geoinformatics
 Appointment/ : 16-DEC-15
 Termination date

6. Date of approval of Mining	:	MP review under 17(1) MCR 2016	30-JAN-20
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	12-OCT-20
		MP modif under 17(3) MCR 2016	19-AUG-22

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 the year 2021-22.	No backlog of exploration programme noticed.	No comments
1b	Exploration over lease area for geological axis 1 or 2	No exploration was proposed during the year 2022-23	No exploration carried out during the year 2022-23	No comments
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	The entire potentially mineralised area has been explored under G1 scale of exploration.	The lessee company has drilled 202 boreholes with a total meterage of 3856 meters.
1e	Balance reserve as on 01/04/20	----	The reserves as on 1.4.2023 are 129.6 million tonnes/	No comments.
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The lessee company has explored the entire potentially mineralised area under G1 level of exploration with 202 boreholes and 3856 meterage.

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 develop between gridlines N-1671699-1672247 and E-822129 to 822528	Same was noticed during the inspection.	There is no deviation. During the earlier checkup inspection carried out on 15.7.2023 by COM(SZ), rule 31(4) of MCDR, 2017 was issued. This rule is yet to be complied.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	No comments to offer.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	as there is no overburden, no proposal for handling the OB was proposed.
2d	Quantity of topsoil generation in m3	62502 cubic meters	54962 cubic meters	--
2e	Quantity of overburden generation in m3	Nil	Nil	No comments to offer.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	---	As there is no OB, no proposal for handling OB was proposed. The topsoil generated is being stacked and used for plantation purpose.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	No deviation.

3b	Quantity of ROM mineral production proposed	1.5 million tonnes duirng the year 2022-23	1.19 million tonnes reported duirng the year 2022-23.	The EC limit was 1.20 millio tonnes.The lessee has submitted a Modification in the mining plan for the year 2024025 to reduce the proposed production from 4.5 million tonnes to 1.5 million tonnes, due to condition imposed by MOEF.
3c	Recovery of sailable/usable mineral from ROM production	The Entire ROM to be utilised in cement plant of lessee.	Same was noticed duirng the inspection.	No deviation.
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	None
3f	Quantity of sub grade mineral generation.	Nil	None	None
3g	Grade of sub grade mineral generation	Nil	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	There is no proposal of seggregation of ROM.	None was noticed duirng the inspection.	No deviation.
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	It was proposed to carry out drilling and deep hole blasting using 115 mm dia drills and blasting by Slurry explosives and ANFO.	Same was noticed during the inspection.	No deviation.
3k	Provision of mining machineries in mineral benches	It was proposed to use HEMM for excavating and transporting the mineral.	Same was noticed during the inspection.	No deviation noticed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 meters	9 meters	No deviation.
3m	Total area covered under excavation/pits	27.19 ha at the end of 2022-23	26.84 ha at the end of 2022-23.	No comments to offer.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	None
3o	Total area put in use under different heads at the end of year	Mine workings - 27.19 ha Topsoil storage - 1.48 ha Infrastructure - 5.99 ha	Mine workings - 26.84 ha Topsoil storage - 1.48 ha Infrastructure - 5.99 ha	No deviation.
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 1 million tonnes 2019-20 - 1 million tonnes 2020-21 - 1 million tonnes 2021-22 - 1.09 million tonnes 2022-23 - 1.5 million tonnes	2018-19 - 0.99 million tonnes 2019-20 - 0.99 million tonnes 2020-21 - 0.99 million tonnes 2021-22 - 0.99 million tonnes 2022-23 - 1.19 million tonnes	No comments to offer.

3q	General remarks of inspecting officers on method of mining etc.	----	----	The lessee is carrying out mining operations as proposed. There is no deviation from the proposed proposals either at place of working or in proposed production.
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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)	It was proposed to utilise the topsoil generated to be stacked and used for plantation.	same was noticed duirng the inspection.	No deviation.
4b	Location of topsoil, OB and mineral reject dumps	The topsoil being generated is being concurrently used for plantation.	Same was observed duirng the inspection.	No deviation.
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	None
4j	Number of settling ponds	Nil	None	None
4k	Specific comments of inspecting officer on waste dump management	---	---	There is no overburden in the lease. As such no proposal was made by the lessee for handling the OB. The topsoil generated during the course of winning the ore is being concurrently utilised for plantation.

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.	Nil	Nil	Nil
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	---	The area not yet matured for reclamation purposes.
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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 deviation.
6b	Area available for rehabilitation (ha) .	Area proposed to be afforested 10.25 ha	10.25 ha	No deviation.
6c	afforestation done (ha).	10.25 ha	10.25 ha	No deviation.
6d	No. of saplings planted during the year	6440 saplings	7125 saplings	The above plantation is within the mining lease
6e	Cumulative no .of plants	----	70,181 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 duirng the inspection that an expenditure of Rs.6 laksh was incurred for watch and care for the year 2022-23.	No comments.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	None	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	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
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	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 monitor the environmental parameters in both the core and buffer zones every quarter.	Quarterly monitoring being carried out by the lessee to monitor the environmental parameters in both core and buffer zones and the parameters are within the permissible limits.	No comments to offer.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	All the proposed measures as per PMCP implemented by the lessee.

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.	No such activity noticed during the inspection.	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	---	---	The lessee is consuming the entire ROM produced for the cement plant of the lessee company.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to utilise the topsoil generated for plantation purpose.	same was noticed duiring the inspection.	No comments to offer.
8b	Concurrent use or storage of topsoil	It was proposed to concurrently utilise the topsoil generated for plantation purpose.	same was noticed duiring the inspection.	No comments to offer.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	In the lease about 3.67 ha is covered under vegetation made by the lessee.	No comments.
8g	Survival rate	90%	90%	No comments.

8h	Water sprinkling on roads to control airborne dust	It was proposed to control the dust by water sprinkling.	Same was noticed during the inspection.	No comments.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	The overall aesthetic beauty is above average.

Compliance of Rule 45:


Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Both the Monthly and annual returns are submitted within the stipulated timelines	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	as per the annual return 2022-23, Sri suresh Reddy and sri Ramana are employed 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.	Mine workings - 26.84 ha Infrastructure - 5.99 ha Topsoil - 1.48 ha	same was noticed during the inspection.	No comments to offer.
9d	Scrutiny of Annual return on afforestation	7125 saplings during the year 2022-23.	Same was confirmed 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	1.19 million tonnes	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 returns 2022-23 was Rs.195.09/per tonne	same was checked during the inspection.	No comments.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported in the annual return 2022-23 was Rs.24.67 crore rupees.	Same was not verified.	No comments.
9k	Scrutiny of Annual return on mining machineries	The mining machinery reported in the annual return 2022-23 is as follows: Excavator 2 no.s Tippers - 6 no.s drilling machine - 1 no. Compressor - 1no. Dozer - 1no. Water tanker - 1no. explosive van - 1 no.	Same was observed during the inspection.	No comments to offer.

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 : 11/9/2023


(A.V. Ramesh Kumar)
Indian Bureau of Mines

