

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/PANNA/LST/05

Mine code : 38MPR26003

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh Chandrakant Dhandale (Agent), Sh Sunil Sharma (Min
Official with
Designation
- (iv) Date of Inspection : 02-JUN-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KONI-SIMARIYA LIMESTONE M**
- (b) **Registration NO.** : **IBM/16851/2013**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : PANNA
Village : BODA
Taluka : SIMARIYA
Post office : SIMARIYA
Pin Code : 488442
FAX No. : +91-512-2399854
E-mail : ho.grey@jkcement.com
Phone : +91-512-2371479-81 (4Lines)
- (f) Police Station : KANPUR
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : Shri Ajay Kumar Saraogi - Director
correspondance Regd. Office Address: Kamla Tower, Kanpur (U.P.)
PIN -208001, India
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : JAYKAYCEM (CENTRAL) LIMITED
PANNA PANNA MADHYA
PRADESH
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	Not applicable	Not done	Mining activities in the lease area started from 03.05.2022 with mine opening notice in prescribed format under MCDR 2017. No working in the RY 2021-22
1b	Exploration over lease area for geological axis 1 or 2	96 nos of core Bore Hole was proposed to be drilled in 2021-22	Not done	Mining activities in the lease area started from 03.05.2022 with mine opening notice in prescribed format under MCDR 2017. No working in the RY 2021-22
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	The lease area is proposed to be explored under Geological Axis - 1 in the Approved document period	About 125.754 hect lease area has been explored under G1 category and the rest of the area falls under G2 category of Exploration as per MEMC Rules, 2015.	Mining activities in the lease area started from 03.05.2022 with mine opening notice in prescribed format under MCDR 2017. No working in the RY 2021-22
1e	Balance reserve as on 01/04/20		Balance reserve as on 31/03/2022 is 630.851 MT	

1f	General remarks of inspecting officers on geology, exploration etc	The rocks exposed in the lease area, apparently belong to the Lakheri Limestone Formation of the Bhandar Group. The rocky outcrops could be divided into two NE-SW trending linear zones, viz. (i) a major limestone zone stretching from Pagra in the NW to Koni village in the NE (ii) a comparatively narrow belt of carbonate rocks extending from village Ganyari, passing through Maharajganj to NW of Boda village. The rocks in the area trend NE-SW to ENE-WSW, with sub horizontal to very low dip 3° - 5°
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposal was given in Koni village, NE part of lease area	NIL	Mining activity was not started because of the non-availability of EC, CTE etc. Lessee has started development activities from 03.05.2022.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, OB & mineral proposed	Not done	

2c	Stripping ratio or ore to OB ratio	1:1.05	NIL	
2d	Quantity of topsoil generation in m3	821349 m3	NIL	
2e	Quantity of overburden generation in m3	331253 m3	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining development activities has been started from 03.05.2022 therefore no development was done in RY 2021-22

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	NIL	No exploitation was done in previous year. Mining activities has been started in the lease area from 03.05.2022
3b	Quantity of ROM mineral production proposed	662506 T	NIL	
3c	Recovery of sailable/usable mineral from ROM production	90%	NA	No mining activities in RY
3d	Quantity of mineral reject generation	10%	NA	No mining activities in RY
3e	Grade of mineral rejects generation and threshold value declared.	Below threshold value of <34%CaO and > 4% MgO	NA	No mining activities in RY
3f	Quantity of sub grade mineral generation.	2106310 T	NIL	

3g	Grade of sub grade mineral generation	Cao >34% - <44% & MgO <4%.	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Not done	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done	
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting was proposed to heave the Limestone from Mines	Not done	
3k	Provision of mining machineries in mineral benches	HEMM was proposed to carryout Mining activity	No mining machineries engaged as per records and field conditions.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	height of benches in overburden and mineral proposed for opencast method of mining	No benches developed in RY	No mining activities in the RY
3m	Total area covered under excavation/pits	99665 M2 area proposed under excavation in the year 2021-22	NIL	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.60	NIL	
3o	Total area put in use under different heads at the end of year	99665 M2	NIL	

3p	Production of ROM mineral during the last five year period as applicable	2017-18 Nil 2018-19 Nil 2019-20 Nil 2020-21 1015029 T 2021-22 3009016 T	2017-18 Nil 2018-19 Nil 2019-20 Nil 2020-21 Nil 2021-22 Nil	No mining activities started up to year 2021-22
3q	General remarks of inspecting officers on method of mining etc.			No exploitation was done in previous year. Mining activities has been started in the lease area from 03.05.2022

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil, OB & mineral reject was proposed in the approved document.	No mining activities in the RY	
4b	Location of topsoil, OB and mineral reject dumps	Top soil and OB dump was located in the west of first five year proposal and the Mineral reject was proposed to be dumped at northern side of five year working in Koni villge	NIL	No mining activities in the RY.
4c	Number of dumps within lease area and outside of lease area	Four nos. of dump was proposed within the lease area	No dumps observed in the lease area.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dumps was located within UPL	No dumps observed in the lease area.	
4e	Number of active and alive dumps.	All four dumps was proposed to be active and alive	No dumps observed in the lease area.	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes it was proposed	No dumps observed in the lease area.	
4i	Length of Retaining wall or garland drain all along dumps	9895M	NIL	No dumps observed in the lease area.
4j	Number of settling ponds	03 settling ponds proposed	NIL	No garland drain has been developed in the lease area due to non availability of OB dumps.
4k	Specific comments of inspecting officer on waste dump management			Waste dumps was not generated because the Mining activity was not started due to non-availability of EC, CTE etc. in the year 2021-22.

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.	full extraction of mineral from mined out area before starting backfilling	NIL	Mining activity was not started in the RY 2021-22 due to non-availability of EC, CTE etc

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)	Yes	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining activity was not started therefore backfilling and reclamation has not done.

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).	Annual report on PMCP was proposed to be submitted on time and correctly under Rule 26(2).	Not applicable	Mining operation was not started in the RY 2021-22
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	Not proposed	Not done	

6g	Cost incurred on watch and care during the year	Not specified	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x 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	3.33 Hect	NIL	Mining activity was not started due to non-availability of EC, CTE etc.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	3.33 Hect	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			As the Mining activity was not started during the year 2021-22 therefore the compliance proposal given in PMCP was not complied.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to dispatch the ROM mineral to captive cement plant for making of Cement	NIL	Mining activity was not started due to non-availability of EC, CTE etc.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not done	
7c	Different grade of mineral sorted out at mines.	NA	NA	

7d	Any beneficiation process at mines .	No mineral beneficiation was proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No mineral beneficiation was proposed . Mining activity was not started due to non-availability of EC, CTE etc

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil was proposed for plantation.	Not done	Mining activity was not started in the RY due to non-availability of EC, CTE etc.
8b	Concurrent use or storage of topsoil	Storage of top soil was proposed	Not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock, rejects and mineral was proposed	Not done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden dumps was proposed for restoring the land to its original use	Not done	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) was proposed in the conceptual plan	Not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	NIL	
8g	Survival rate	90%	NIL	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mining operation was not started in the RY which affects aesthetic beauty in and around mines area.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Nil	Mining activity was not started in the year 2021-22 due to non-availability of EC, CTE etc. therefore Monthly and annual return not submitted for the RY.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return not submitted	Mining Engineer - Sh. Sunil Kumar Sharma Geologist - Sh. Amit Dwivedi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return not submitted	No mining activities observed in the RY.	Mining activities has been started in the lease area from 03.05.2022
9d	Scrutiny of Annual return on afforestation	Annual return not submitted	No plantation done in the RY	Mining activities has been started in the lease area from 03.05.2022
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return not submitted	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return not submitted	ROM mineral production proposed in 2021-22 was NIL as per records.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return not submitted	Not applicable	
9h	Scrutiny of Annual return on fixed assets	Annual return not submitted	NA	
9k	Scrutiny of Annual return on mining machineries	Annual return not submitted	HEMM machineries have been purchased/hired for the mine development & production in the year 2022-23.	

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 :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines