

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST- 265

Mine code : 38MPR47093

- (i) Name of the Inspecting : **NQ06**) **P.NAHAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 13-APR-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATAGAWAN SUNHERA (11.02)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : SUNEHERA BHATAGAWA
Taluka : KATNI
Post office : BICHUWA
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station : MADHAVNAGAR
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : M/S SISODIIA KHANIZ UDYOG
correspondance SATYENDRA BHAWAN, RAM NIWAS SINGH MARG,
KATNI (M.P.) 483501
3. (a) Lease Number : MPR2614
- (b) Lease area : 11.02
- (c) Period of lease : 20
- (d) Date of Expiry : 02-MAR-23
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : SISODIIA KHANIZ UDYOG
 SATYENDRA BHAWAN, RAM NIWAS
 SINGH MARG, KATNI MADHYA
 PRADESH
 Phone:NA
 FAX :NA

Owner : SISODIIA KHANIZ UDYOG
 SATYENDRA BHAWAN, RAM NIWAS
 SINGH MARG, KATNI MADHYA
 PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22-NOV-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	29-NOV-11
	:	MP review under 17(1) MCR 2016	11-APR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed.	Not done.	----
1b	Exploration over lease area for geological axis 1 or 2	Not proposed.	G2	----
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable.	Not applicable.	----
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	Nil	About 7.0 Ha area is to be explored under G1 Level.
1e	Balance reserve as on 01/04/20	----	122-0.169971 m.t. 222-0.024503 m.t.	----
1f	General remarks of inspecting officers on geology, exploration etc	----	----	In the Lease area Limestone is found as alternate bands with Dolomite and Phyllite showing N70°E-S70°W dipping with 60° to 70° towards South direction., belonging to Mahakaushal Group of Precambrian age. Any exploration neither proposed nor carried out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Not proposed.	Middle portion of the lease area between B.P. No. 6,7 and 22 -23	Pit Development was done at proposed location of the year 2017-18.Proposal period is expired.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	Murrum- 130 (L) x5m (W) x1.5m (H) Irregular bench Mineral-70m (L) x5-10m (W) x 3-5m (Ht.) Irregular bench	Benches have been noticed in Pit No. 1 .
2c	Stripping ratio or ore to OB ratio	Not proposed.	1:0.20	----
2d	Quantity of topsoil generation in m3	Not proposed.	Nil	Entire soil is in form of murrum.
2e	Quantity of overburden generation in m3	Not proposed.	130m3 (approx.)	It is a B Category mine. Proper records of OB generation have not been maintained.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	It is a Bedded, Stratiform and Tabular Deposit of Irregular Habit. Pits have been developed along the strike of the beds at the proposed location.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed.	Two.	Entire Development was done in Pit No. 1. Pit No-2 was old pit during previous document period.
3b	Quantity of ROM mineral production proposed	Not proposed.	17-18-1850T	Any enhancement against proposed production is not noticed.
3c	Recovery of saleable/usable mineral from ROM production	Not proposed.	80% w.r.t ROM.	----

3d	Quantity of mineral reject generation	Not proposed.	Nil	----
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	----
3f	Quantity of sub grade mineral generation.	Not proposed.	Nil	----
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	----
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed.	Manual.	----
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Any beneficiation study not done.	----
3j	Provision of drilling and blasting in mineral benches	Not proposed.	Not noticed as the mine was closed.	----
3k	Provision of mining machineries in mineral benches	Not proposed.	Any mining machinery is not noticed.	----
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed.	Yes.	Development is done at shallow depth.
3m	Total area covered under excavation/pits	Not proposed.	0.9480Ha.	----
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed.	1:0.20	----

3o	Total area put in use under different heads at the end of year	Not proposed.	2.5Ha (approx.)	----
3p	Production of ROM mineral during the last five year period as applicable	14-15-Lapsed period. 15-16-Lapsed period. 16-7-Lapsed period. 17-18-14751T	14-15-Lapsed period. 15-16-Lapsed period. 16-7-Lapsed period. 17-18-1850T	Any enhancement against proposed production is not noticed.
3q	General remarks of inspecting officers on method of mining etc.	----	----	Mining was done by open cast method manually.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed.	Done.	Document period is expired on 31/03/2018.
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	Top soil is negiligible. There is no mineral reject dump.	All waste dunps are situated near the Pit No. 1 and 2.
4c	Number of dumps within lease area and outside of lease area	Not proposed.	7 dumps. All within the Lease area.	----
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	Within UPL.	----
4e	Number of active and alive dumps.	Not proposed.	All are active and alive.	----
4f	Number of dead dumps.	Not proposed.	Nil	----
4g	Number of dumps established.	Not proposed.	Nil	----

4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	Nil	----
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Not applicable.	----
4j	Number of settling ponds	Not proposed.	Nil.	----
4k	Specific comments of inspecting officer on waste dump management	----	----	There are 7 Nos. of active and alive dumps within the lease area.

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.	Not proposed.	Mineral is continued at depth. There is not matured pit for backfilling. Hence any backfilling not started.	-----
5b	Area under backfilling of mined out area	Not proposed.	Nil.	There is no matured land for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Nil.	Soil cover is negligible. Whenever top soil is genrated is stakced near pits.
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil.	----
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	There is no matured land for backfilling.Hence any backfilling is not carriod out.

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).	No.	Comment is same as 5(e)	----
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil.	----
6c	afforestation done (ha).	Not proposed.	Nil.	----
6d	No. of saplings planted during the year	Not proposed.	Nil.	----
6e	Cumulative no .of plants	Not proposed.	Nil.	----
6f	Any other method of rehabilitation	Not proposed.	None.	----
6g	Cost incurred on watch and care during the year	Not proposed.	Not available.	----
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	There is no matured pit for backfilling.	----
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	--Do--	----
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Not proposed.	--Do--	----

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	--Do--	----
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	None.	----
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	Nil.	----
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed.	None	----
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed.	None.	----
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed.	Any Environment Monitoring not carried out.	----
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	Documeent period is expired. Presntly , there is no matured pit for PMCP compliance.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed.	Gradewise sorting within the lease area.	----
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed.	Manual.	----
7c	Different grade of mineral sorted out at mines.	Not proposed.	Mostly Flux and Cement.	----
7d	Any beneficiation process at mines .	Not proposed.	Not carried out.	----
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	Gradewise sorting by manual means is done.Any beneficiation is neither proposed nor done.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Stacked in small heaps near the Pit No. 1.	----
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	There is no mineral reject. Soil in small heaps near Pit No. 1. Seperate dumping of phyllite and murrum.	----
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Presently , stacked seperately as there is no matured pit for restoring the land.	----

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	--Do--	----
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	----	About 10 trees are present in the lease area.	----
8g	Survival rate	NA	NA	----
8h	Water sprinkling on roads to control airborne dust	Proposed.	Done.	----
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Mining is done on very small scale. Hence aesthetic beauty of the area is not affected much.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR-Submitted upto Dec-2018. AR-Not submitted.	-----	For non submission of AR aViolations under rule 45(5) (c) is being pointed out by Shri R.r. Dongre, DCOM during subsequent inspection.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	None.	----

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NIL	----
9d	Scrutiny of Annual return on afforestation	NA	NIL	----
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	Nil	----
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	About 100t.	----
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	Nil	----
9h	Scrutiny of Annual return on fixed assets	NA	Nil.	Any AR is not submitted.
9k	Scrutiny of Annual return on mining machineries	NA	Nil	----

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 :

(P. NAHAR)

Indian Bureau of Mines