

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST- 265

Mine code : 38MPR47093

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Saurabh Singh (Lease holder) and other staff
Official with
Designation
- (iv) Date of Inspection : 13-JUL-21
- (v) Prev.inspection date : 09-FEB-17

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 : 51
- (d) Date of Expiry : 02-MAR-53
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
	:	MP modif under 17(3) MCR 2016	08-APR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06	NIL	Violation was pointed out under rule 11(1) of MCDR 2017 for the same
1b	Exploration over lease area for geological axis 1 or 2	06	NIL	Violation was pointed out under rule 11(1) of MCDR 2017 for the same
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Not done	Violation was pointed out under rule 11(1) of MCDR 2017 for the same
1d	Balance area to be explored to bring Geological axis in 1 or 2	11 Hect	NIL	Violation was pointed out under rule 11(1) of MCDR 2017 for the same
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2021 under 122 catagory is 139921 Tonnes & under 222catagory is 24503 as per annual return.	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration was not carried out against proposal of 12 exploratory bore holes during the year 2019-20 & 2020-21. Violation has been pointed out under rule 11(1) of MCDR 2017 for the same

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit no. 1	It was proposed to remove 2611 m3 top soil and 691 m3 overburden from the pit no. 01 in the year 2020-21. But, as per provided records only 553 m3 top soil and 531 m3 overburden removed. Mine development was not done as per approved document. Excavation was proposed in Pit no. 01. But, excavation was also observed in a new pit in eastern part of the lease near BP no. 15 to BP no. 18 without proposal in the approved document.	Violation pointed out for the same under 11(1) of MCDR 2017 for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Mine development was not done as per approved proposal	Violation pointed out for the same under 11(1) of MCDR 2017 for the same.
2c	Stripping ratio or ore to OB ratio	1: 0.24	1: 0.10	Violation has been pointed out for the same under rule 11(1) of MCDR 2017
2d	Quantity of topsoil generation in m3	2611 m3	553 m3	Violation pointed out for the same under 11(1) of MCDR 2017 for the same.
2e	Quantity of overburden generation in m3	691 m3	531 m3	Violation pointed out for the same under 11(1) of MCDR 2017 for the same.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine development was not done as per approved document. Excavation was proposed in Pit no. 01. But, excavation was also observed in a new pit in eastern part of the lease near BP no. 15 to BP no. 18 without proposal in the approved document.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Two	Violation pointed out for the same.
3b	Quantity of ROM mineral production proposed	14688 Tonnes	11292 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	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	Yes, light drilling and blasting has been proposed to break the rock strata for easy excavation. Drilling is proposed with a spacing of 1m x1.2m with jack hammer 32-34mm dia hole.	No drilling and blasting reported as per submitted AR.	
3k	Provision of mining machineries in mineral benches	Trucks/tippers of 10t proposed from stacking yard to consignee's destination.	Trucks/tippers of 10t used as per records from stacking yard to consignee's destination.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Mine development was lagging from the approved proposal. Height of the benches in OB and Ore were found as per proposal.	Violation pointed out for the same.
3m	Total area covered under excavation/pits	1.953 Hect	1.526 Hect	Mine development & production lagging from the approved proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.24	1:0.10	

3o	Total area put in use under different heads at the end of year	3.21 Hect	2.95 Hect	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 14751 T 2018-19 - NIL (Lapse period) 2019-20 - 14720 T 2020-21 - 14688 T	2017-18 - 10348 T 2018-19 - NIL (Lapse period) 2019-20 - 14717 T 2020-21 - 11292 T	
3q	General remarks of inspecting officers on method of mining etc.			Opencast method of mining was proposed as per approved document. Mine development was not done as per proposal. Violation is pointed out for the same.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	It was proposed to store top soil in the south-west part of the lease. But, dumping of top soil was not found as per proposal.	violation pointed out for the same under rule 11(1) of MCDR 2017.
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to store top soil in the south-west part of the lease	dumping of top soil was not found as per proposal.	Violation pointed out for the same.
4c	Number of dumps within lease area and outside of lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL & within lease area.	Inside the UPL & within lease area.	Dumps are proposed temporary and rehandling of dump is proposed for backfilling.

4e	Number of active and alive dumps.	06 NOS OF TEMPORARY DUMPS	06 NOS OF TEMPORARY DUMPS	
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.	Not proposed	Not done	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not done	
4j	Number of settling ponds	Not proposed	Not done	
4k	Specific comments of inspecting officer on waste dump management			Temporary dumps have been proposed in the lease area. Mine development was lagging as per approved document. Quantity of OB in the dumps is very less.

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 the mineral	Full extraction of mineral was not done as per records	Area not matured for backfilling.
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)	Not proposed	Not done	

5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling due to part extraction of the mineral. Mine development is not done as per proposal.

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	The yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the previous approved plan period.	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	50 nos	50 nos	
6e	Cumulative no .of plants	Not specified	Some plants observed in the lease area which were naturally grown. Approx 50 saplings planted in the lease area.	
6f	Any other method of rehabilitation	Not proposed	Not done	
6g	Cost incurred on watch and care during the year	Not specified	No records	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx 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 on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not done
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Not done
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not done

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not done	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Records of environmental compliance shown in duration of six months.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the previous approved plan period. Backfilling was not done in the RY. Reclamation & Rehabilitation was not done in any part of the lease area.	Violation pointed out for the same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Dispatches from mine head	ROM Dispatches from mine head 9998.455 Tonnes	
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.	Not applicable	NA	
7d	Any beneficiation process at mines	Not proposed	Not done	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM direct Dispatches from mine head. No any beneficiation was proposed as per approved document.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil	It was proposed to store top soil in the south-west part of the lease. But, dumping of top soil was not found as per proposal.	Violation pointed out for the same.
8b	Concurrent use or storage of topsoil	Storage of topsoil	It was proposed to store top soil in the south-west part of the lease. But, dumping of top soil was not found as per proposal.	Violation pointed out for the same.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not done	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	50 saplings planted in the lease area in the waste land.	Some plants observed in the lease area which were naturally grown.
8g	Survival rate	80%	80%	
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			Plantation was done in the mine area or around the lease area within 7.5 m barrier zone.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Annual Return for the year 2020-21 is submitted on 03-07-2021. Monthly returns were not submitted in the prescribed time.	Violation pointed out for the same.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointment not reported	Mining Engineer in charge _ None Geologist in charge _None	Mining Engineer and Geologist have not been appointed for this lease area. Violation pointed out under rule 55 of MCDR 2017

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 1.526 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 1.230 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.152 (vi) Other Purpose (Green belt) 0.030 (vii) Work done under progressive mine closure plan during the year 0.000
9d	Scrutiny of Annual return on afforestation	Yes	50 plants
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Closing Stock of SMS grade Limestone is shown as 7540.398 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex-mineprice (in . Per Tonne) - 701.50 Cost of Production is 623.67 per tonnes
9h	Scrutiny of Annual return on fixed assets	Yes	Fixed asset value 18.42 Lakhs
9k	Scrutiny of Annual return on mining machineries	YES	DUMPER 10 TONNE 1 No DUMPER 16 TONNE 1 No PUMPS (NON-ELEC.) 3000 L/Mn 1 No

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)	23-JUL-21		MCDR17 Rule 11(1)	23-JUL-21	23-NOV-21
Rule 26(2)	23-JUL-21		Rule 26(2)	23-JUL-21	23-NOV-21
MCDR17 Rule 33	23-JUL-21		MCDR17 Rule 33	23-JUL-21	23-NOV-21
MCDR17 Rule 55(1) (1)	23-JUL-21		MCDR17 Rule 55(1)	23-JUL-21	26-NOV-21

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines