

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-150

Mine code : 38MPR35229

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 28-JAN-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAMASTHAN**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : RAMASTHAN
Taluka : RAGHURAJ NAGAR
Post office : RAMASTHAN
Pin Code : 485001
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI SHRAWAN KUMAR PATHAK
correspondance
3. (a) Lease Number : MPR1501
(b) Lease area : 32
(c) Period of lease : 20
(d) Date of Expiry : 21-JUL-19
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHRAWAN KUMAR PATHAK
 SEMARIA CHOWK, SATNA
 MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : SHRAWAN KUMAR PATHAK
 SEMARIA CHOWK SATNA
 MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	08-JAN-01
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	15-JUN-09
		Mining Scheme rule 12 MCDR1988	02-MAR-11
		Mining Scheme rule 12 MCDR1988	17-APR-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NO PROPOSAL	NOT APPLICABLE	NO PROPOSAL
1c	Exploration Agencies and Expenditure in lakh rupees during the year			NO PROPOSALS
1d	Balance area to be explored to bring Geological axis in 1 or 2			NO PROPOSAL
1e	Balance reserve as on 01/04/20	RESERVES AS ON 01.01.2020.	RESERVES- 111- 2.593 MIO TONS. 1.8596 mio TONS.	NO EXPLORATION PROPOSED. RESERVES REVISIED DUE TO CHANGE IN CUTOFF AND RECOVERY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	PIT 1 AND 2	WITH IN PIT 1 AND 2	AS PER PLAN
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	seperate benches in soil,waste and mineral made.	
2c	Stripping ratio or ore to OB ratio	YES PROPOSED.	SEPERATE BENCHES MADE	OK,AS PER PLAN
2d	Quantity of topsoil generation in m3	19170 cu m	8500 cu m	
2e	Quantity of overburden generation in m3	81738 m3	27000 m3	the development is less.violation given.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	976483 t	898217.217t	
3c	Recovery of sailable/usable mineral from ROM production	yes- proposed 90 %	actual 95 %	
3d	Quantity of mineral reject generation	na	na	waste soil seperated
3e	Grade of mineral rejects generation and threshold value declared.	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM			na. SOIL SEPERATED IN MINING.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.			NO PROPOSAL
3j	Provision of drilling and blasting in mineral benches	YES	BEING DONE	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	BENCHING PROPOSED		BENCHING SUITABLE FOR MECHANISED MINING
3m	Total area covered under excavation/pits	28.564 HCT	26.10 HECT	

3o	Total area put in use under different heads at the end of year	28.10 HECT IN PIT,	26.10 HECT IN PIT,	
3p	Production of ROM mineral during the last five year period as applicable	15-16,992790 T,16-17-999945,17-18-991332,19-20-976483	15-16-922908.66T,16-17-887873.210,17-18-966210.848,18-19-898217.217	
3q	General remarks of inspecting officers on method of mining etc.			MECHANISED MINING IS PRACTISED. LARGE PITS HAVE BEEN DEVELOPED.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	TOP SOIL SEPERATE.	
4b	Location of topsoil, OB and mineral reject dumps	BACKFILLING	BACKFILLING	
4c	Number of dumps within lease area and outside of lease area			NOT APPLICABLE
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NA	NA	
4f	Number of dead dumps.			NA
4g	Number of dumps established.			NA
4h	Whether Retaining wall or garland drain all along dumps are there.			NA

4j	Number of settling ponds	NA
4k	Specific comments of inspecting officer on waste dump management	VERY LESS WASTE.USED IN BACKFILLING.

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.		YES LIMESTONE IS FULLY EXTRACTED.	
5b	Area under backfilling of mined out area	11000 M2	5000M2	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	YES	BEING DONE	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	THE AREA BACKFILLED IS LESS.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			THE AREA BACKFILLED IS LESS.

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).			NOT SUBMITTED.

6b	Area available for rehabilitation (ha) .			24HECT
6c	afforestation done (ha).			NP (NO PROPOSAL)
6d	No. of saplings planted during the year			NP
6f	Any other method of rehabilitation			NP
6g	Cost incurred on watch and care during the year			NP
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D			24 HECT.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	11000M2	5000M2	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	10000M2	500M2	PLANTATAION DONE ON LESS AREA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NP	NP	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NP	NP	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	800 PLANTS	PLANTATAION DONE IN BARRIER	PLANTATAION ON MINE BARRIER ARE RAISED.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NP	NP	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NP	NP	
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	MONITORING IS DONE.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			LESS AREA BACKFILLED.BARRIER PLANTATAION IS DONE.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NP	NP	
7c	Different grade of mineral sorted out at mines.	NP	NP	
7d	Any beneficiation process at mines .	NO PROPSAL	NO PROPOSAL (NP)	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			NO BENEFICIATION DONE.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES	BEING DONE	
8b	Concurrent use or storage of topsoil	YES	DONE	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		BACKFILLING IS DONE.NO REJECTS.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	BEING DONE	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES PROPOSED	PRACTISED.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 PLANTS. EXISTING.-200 PLANTS	ADDITIONAL 100 PLANTS.	
8g	Survival rate	70%	60%	
8h	Water sprinkling on roads to control airborne dust	YES	BEING DONE	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			TREES AND BARRIER PLANTATION AROUND MINES CAN BE SEEN. WATER ACCUMULATED IN PIT.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			THEY ARE BEING SUBMITTED.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MANAGER INFO GIVEN.	INFO ON GEOLOGIST AND MINING ENGINEER NOT GIVEN.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	26 HECT IN WORKING, 2.5 HECT RECLAIMED		INFORMATION GIVEN

9d	Scrutiny of Annual return on afforestation	100 TREES PLANTED	OK
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NO REJECTS,0	INFORMATION GIVEN
9f	Scrutiny of Annual return on ROM stock and/or graded ore	80 T ,CEMENT GRADE AT MINES	STOCK GIVEN
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	SALE VALUE - 118RS /T,EXMINE - 118/T,COST OF PRODUCTION-148 rS	VALUES ARE GIVEN.
9h	Scrutiny of Annual return on fixed assets	129.67 LAKHS	129.67 LAKHS
9k	Scrutiny of Annual return on mining machineries	LIST OF MACHIERY IS GIVEN	LIST OF MACHIERY IS GIVEN

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)	08-MAY-20			
MCDR17	Rule 45(5) (k	08-MAY-20			
MCDR17	Rule 26(1)	08-MAY-20			
MCDR17	Rule 26(2)	08-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines