

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/STN/OCH-54

Mine code : 44MPR35102

- (i) Name of the Inspecting : **NQ06**) **P.NAHAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Umesh Kumar Khemka, Son of Lessee
Official with
Designation
- (iv) Date of Inspection : 12-JUN-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAMAKHUIA**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : KAMA KHUIA
Taluka : BIRSINGHPUR
Post office : JHAKHAURA
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : MON
2. Address for : SHRI SHIV KUMAR AGRAWAL
correspondance P.O. JAITWARA,
DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR1982
(b) Lease area : 116.43
(c) Period of lease : 20
(d) Date of Expiry : 22-OCT-19
4. Mineral worked : CLAY (OTHERS) Associated
OCHRE Main
IRON ORE Associated
LATERITE Associated

5. Name and Address of the

Lessee : SHIV KUMAR AGRAWAL
P.O. JAITWARA SATNA
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : SHIV KUMAR AGRAWAL
P.O. JAITWARA SATNA
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	11-AUG-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-APR-06
		Mining Scheme rule 12 MCDR1988	20-DEC-12
		Mining Scheme rule 12 MCDR1988	01-AUG-14

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 proposed.	Not applicable.	----
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	None.	----
1e	Balance reserve as on 01/04/20	----	111-962T 211-66T	It is combined lease of Iron ore, Laterite and Ochre. Iron ore is associated mineral.
1f	General remarks of inspecting officers on geology, exploration etc	----	---	Sandstone of Rewa Group of U. Vindhyan age is overlain by Ochre and Laterite. Boulders and Nodules of Laterite are found within the Laterite having recovery of about 2%. of total ROM. Any exploration is neither proposed nor carried out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Not proposed.	Northern, Eastern and Western slope of the Hill.	----

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	B1-Ht. 2m-Lateritic soil bench.Irregular. B2 to B5-1.5m Laterite bench. B6 and B7-2.5m Laterite Bench.	----
2c	Stripping ratio or ore to OB ratio	Not proposed.	1:0.22	----
2d	Quantity of topsoil generation in m3	Not proposed.	Nil	Entire soil is Lateritic soil.
2e	Quantity of overburden generation in m3	Not proposed.	Nil	Entire OB is Laterite which is minor mineral.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	It is Lenses ,Pocket Deposit made of small sized bodies.Iron ore is found as Boulders and Nodules within Laterite.Benches having height from 1.5 m to 2.5m have been made in the Laterite.Iron is removed by hand picking.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed.	5 pits.	----
3b	Quantity of ROM mineral production proposed	Not proposed.	Nil.	----
3c	Recovery of saleable/usable mineral from ROM production	Not proposed.	2% of Laterite.	----
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.	Not noticed.	----
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	None.	----
3j	Provision of drilling and blasting in mineral benches	Not proposed.	Not done.	Laterite is soft. and it does not requires any blasting.
3k	Provision of mining machineries in mineral benches	Not proposed.	Not noticed.	----
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed.	Bench height varies from 1.5 to 2.5.	----
3m	Total area covered under excavation/pits	Not proposed.	6.85Ha.	----
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed.	1:0.22	----
3o	Total area put in use under different heads at the end of year	Not proposed.	7.86Ha	----

3p	Production of ROM mineral during the last five year period as applicable	14-15-Not propped. 15-16-Not propped. 16-17-Not propped. 17-18-Not propped. 18-19-15T.	14-15-Nil 15-16-20T. 16-17-Nil 17-18-Nil 18-19-Nil	----
3q	General remarks of inspecting officers on method of mining etc.	----	----	As on date of inspection the mine was closed due to expiry of mining plan period. The mining was done by open cast method. During the proposal period production of Laterite is done.

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.	OB has been dumped seperately. Top soil is utulized for afforestation and remaining Qty. is stored seperaqtely. Any mineral reject is not generated.	----
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	There is no topsoil. There is no mineral reject. OB is dumped seperately.	Entire OB is iron rich clay.
4c	Number of dumps within lease area and outside of lease area	Not proposed.	Two dumps 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.	Two dumps active and alive.	----

4f	Number of dead dumps.	Not proposed.	None.	----
4g	Number of dumps established.	Not proposed.	None.	----
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	None.	----
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Not applicable.	----
4j	Number of settling ponds	Not proposed.	None.	----
4k	Specific comments of inspecting officer on waste dump management	----	----	There are two active and alive dumps which consists of high Fe Clay. Garland drain has been made all along the lease boundary except southern boundary having length of about 1200m.

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.	Full extrection is yet to be done.	All workings are located on the top and slope of the hill.
5b	Area under backfilling of mined out area	Not proposed.	Nil.	----
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Nil	There is no top soil.

5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil.	----
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	Entire development has been done on top and slope of the hill. Presently, there is no matured land for backfilling and reclamation.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not proposed.	None.	----
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil	----
6c	afforestation done (ha).	Not proposed.	50Nos.	Cummulative 200Nos.
6d	No. of saplings planted during the year	Not proposed.	About 50Nos.	----
6e	Cumulative no .of plants	Not proposed.	About 200Nos.	----
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.	None.	As on date 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)Afforestation on on backfilled area	Not proposed.	Not applicable.	----
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	None.	----
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.	Done about 200Nos.	----
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.	Not done.	----
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	PMCP compliance are yet to be done.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed.	Gradewise sorting.	As noticed from old stocks.
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.	Steel.	----
7d	Any beneficiation process at mines .	Not proposed.	None.	----
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	Iron ore is sorted out manually. Any beneficiation neither proposed nor carried out.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	None.	Entire soil is Lateritic soil which is utilized for afforestation.
8b	Concurrent use or storage of topsoil	Not proposed.	None.	----
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	There is no mineral reject. Seperate dumps for waste has been made.	----
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	None.	Presently, there is no matued land for restoration.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Beside afforestation by the Lessee, 20nos. of old trees are present in the lease area and entire area except pit and dumps is occupied by shrubs and bushes.	----	----
8g	Survival rate	Not proposed.	Not available.	----
8h	Water sprinkling on roads to control airborne dust	Not proposed.	Not noticed as the mine was closed.	----
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Except pits and dumps entire area is occupied by Trees, Shrubs and bushes. Aesthetic beauty of the area is within acceptable limit.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR recieved upto- Dec.2017. AR not recieved.	----	A violation under rule 45(5) (a) and 45(5) (c) is being pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted.	Mining Engineer- Shri Shiv Kumar Agrawal, B.E. (Mining). Geologist -None.	----
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	Area occupied by Pit- 6.85Ha Area occupied by Dumps- 0.20Ha Area occupied by Road- 0.80Ha	----
9d	Scrutiny of Annual return on afforestation	Not submitted.	20Nos	----
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted.	Nil.	----
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted.	About 80T(approx.)	----
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted.	Not available.	----
9h	Scrutiny of Annual return on fixed assets	Not submitted.	Nil.	----
9k	Scrutiny of Annual return on mining machineries	Not submitted.	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
Rule 45 (5) (b)	14-MAR-19		
MCDR17 Rule 45 (5) (c	14-MAR-19		

Date :

(P . NAHAR)

Indian Bureau of Mines