

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JPR-185/FE-16

Mine code : 30RAJ13016

- (i) Name of the Inspecting : **T001**) **Tardia K.K.**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 30-DEC-16
- (v) Prev.inspection date : 19-NOV-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LUKHANA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : **RAJASTHAN**
District : **JAIPUR**
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 24-SEP-12
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : **IRON ORE** Main

5. Name and Address of the

Lessee : SH. MANOJ KEDIA
109, Venketeswer tawor,
Central spain, Vidhyanagar
JAIPUR RAJASTHAN
Phone:
FAX :

Owner : SH. MANOJ KEDIA
109, Venketeswer tawor,
Central spain, Vidhyanagar
JAIPUR RAJASTHAN
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
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	MINE OWNER	
1e	Balance reserve as on 01/04/20	460550		

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	MAIN PIT -1 DEVELOPMENT	MAIN PIT -1 DEVELOPMENT	found in order
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	SEPARATE BENCHES IN O.B. & MINERAL	SEPARATE BENCHES IN O.B. & MINERAL	found in order
2c	Stripping ratio or ore to OB ratio	1:0.011	1:0.011	
2d	Quantity of topsoil generation in m3	90	90	
2e	Quantity of overburden generation in m3	13000	0	working in mineral is not done .
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	SEPARATE BENCHES IN O.B. & MINERAL	SEPARATE BENCHES IN O.B. & MINERAL	found in order

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	1	NO WORK DOING IN THE YEAR	LACK OF DEMAND
3b	Quantity of ROM mineral production proposed	18278	nil	LACK OF DEMAND

3c	Recovery of sailable/usable mineral from ROM production	20%	nil	NO WORK DOING IN THE YEAR
3d	Quantity of mineral reject generation	nil	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	NO MINERAL REJECT GENERATION	na	na
3f	Quantity of sub grade mineral generation.	THE ROM IN SUB-GRADE ANALYSIS-55%	NO WORK DONE carried out during the year.	NO WORK DONE carried out during the year.
3g	Grade of sub grade mineral generation	MANUAL	NO WORK DONE carried out during the year	
3h	Manual / Mechanised method adopted for segregating from ROM	nil	nil	nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	nil	nil	nil
3j	Provision of drilling and blasting in mineral benches	yes	NO WORK DONE carried out during the year	
3k	Provision of mining machineries in mineral benches	NO MACHINERIES	na	na
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	NO WORK DONE carried out during the year.	
3m	Total area covered under excavation/pits	.5	NO WORK DONE carried out during the year.	
3n	Ore to OB ratio for the pit/mine during the year.	1.38	NO WORK DONE carried out during the year.	

3o	Total area put in use under different heads at the end of year	pit-0.84 waste/reject-0.60 other 1.32	pit-0.32 waste/reject- 0.30 other 1.32		NO WORK DOne carrried out during the year.
3p	Production of ROM mineral during the last five year period as applicable		Yr-2011-12 NIL Yr-2012-13 NIL Yr-2013-14 1550.000 Yr-2014-15 18700.000 Yr2015-16 NIL Yr2015-16		DUE TO LACK OF DEMAND THERE WAS NO PRODUCTION IN-2015-2016
3q	General remarks of inspecting officers on method of mining etc.		Yr-2014-15 Yr2015-16		NO WORK DOne carrried out during the year.

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 FOR O.B	SEPARATE DUMPING FOR O.B	As per proposal
4b	Location of topsoil, OB and mineral reject dumps	along the lease boundaty BC	along the lease boundaty BC	As per proposal
4c	Number of dumps within lease area and outside of lease area	0.2 hect within the lease area.	0.1 hect within the lease.	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	yes, on non-mineralised land.	yes, on non-mineralised land.	As per proposal

4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	none	na	na
4g	Number of dumps established.	nil	na	na
4h	Whether Retaining wall or garland drain all along dumps are there.	yes,	done	As per proposal
4i	Length of Retaining wall or garland drain all along dumps	not specified.	along the dump	As per proposal
4j	Number of settling ponds	na	na	na
4k	Specific comments of inspecting officer on waste dump management	SEPARATE DUMPING FOR O.B	SEPARATE DUMPING FOR O.B	As per proposal

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.	na	na	na
5b	Area under backfilling of mined out area	NA	NA	NA
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	for plantation	for plantation	for plantation
5d	Total area fully reclaimed and rehabilitated	none	na	na
5e	General remarks of inspecting officers on backfilling and reclamation etc.		presently ob is being used in road repaired in the area .	

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 has to be submitted.	Annual report not submitted.	violation of rule 23(E)(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	na	na	na
6c	afforestation done (ha).	0.5 hect.	0.5 hect.	As per proposal
6d	No. of saplings planted during the year	50 number	50 number	As per proposal
6e	Cumulative no .of plants	250	250	
6f	Any other method of rehabilitation	plantation	plantation	plantation
6g	Cost incurred on watch and care during the year	not specified	own	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	na	na	na
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	na	na	na
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	na	na	na
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	na	na	na

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	na	na	na
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	plantation	plantation	plantation
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	na	na	na
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	na	na	na
6p	Compliance of environmental monitoring (core zone and buffer zone)	yearly	yearly	As per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	regular monitoring.	regular monitoring.	regular monitoring.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	nil	na	na
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL	As per proposal
7c	Different grade of mineral sorted out at mines.	LOW GRADE	LOW GRADE	

7d	Any beneficiation process at mines	na	na	na
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		low grade stacked separately.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	stacked separately.	As per proposal used in plantation	As per proposal
8b	Concurrent use or storage of topsoil	to be used in plantation.	used in plantation.	As per proposal
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	0.6 hect.	.3 hect.	As per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	for road making	for road making	As per proposal
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	na	na	na
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 saplings per year.	65 sapling have beenplanted in 2015-16.	As per proposal
8g	Survival rate	na	60%	

8h	Water sprinkling on roads to control airborne dust	on approach road	on approach road	As per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		General aesthetic beauty in and around the area is good.	General aesthetic beauty in and around the area is good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted upto - NOV-2016 A.R. submitted upto- FY- 2015-2016	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engr -1 mining mate-1	found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	found in order	
9d	Scrutiny of Annual return on afforestation	yes	found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	given	found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given	found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	found in order	
9h	Scrutiny of Annual return on fixed assets	given	found in order	

9k Scrutiny of given found in order
 Annual return on
 mining
 machineries

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

Date :

(Tardia K.K.)

Indian Bureau of Mines