

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : RAJ/UDP/R.PHOS-3

Mine code : 46RAJ26007

- (i) Name of the Inspecting : **T001**) **K. K. TARDIA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Amarsingh Gohil, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 07-MAR-17
- (v) Prev.inspection date : 10-FEB-14

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MATON ML NO.31/1968**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : RAJASTHAN
District : UDAIPUR
Village : MATON
Taluka : GIRVA
Post office : MATON
Pin Code :
FAX No. : (0294) 523328
E-mail : amarsingh.gohil@vedanta.co
Phone : (0294) 2490446, (0294) 249:
- (f) Police Station : HIRAN MAGRI
- (g) First opening date : 17-MAR-70
- (h) Weekly day of rest : MON
2. Address for : Maton Rock Phosphate Mine
correspondance : M/s Hindustan Zinc Ltd.
Maton,Girwa,udaipur(Raj.)
3. (a) Lease Number : RAJ0627
- (b) Lease area : 143.13
- (c) Period of lease :
- (d) Date of Expiry : 31-MAR-30
4. Mineral worked : ROCK PHOSPHATE Main

5. Name and Address of the

Lessee : Hindustan Zinc Ltd.
 Yashad Bhavan Udaipur
 UDAIPUR RAJASTHAN
 Phone:
 FAX :

Owner : AKHILESH JOSHI
 YASHAD BHAVAN UDAIPUR
 UDAIPUR RAJASTHAN
 Phone: (0294) 6605101
 FAX : (0294) 6605101

Agent : SHRI KASTOOR MEENA
 MATON ROCKPHOSPHATE MINES
 PO-MATON, TEHSIL-GIRWA
 UDAIPUR. UDAIPUR RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Amar singh Gohil, Full Time
 Qualification : BE(mining)
 Appointment/ : 30-JAN-12
 Termination date

Geologist

Name : Sunil Kumar Vashisth, Full Time
 Qualification : M.Sc Geology
 Appointment/ : 31-JAN-15
 Termination date

Manager

Name : Shri Amarsingh Gohil
 Qualification : Mining Engineering Ist Class Manager ce
 Appointment/ : 02-FEB-12
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 05-SEP-06
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 13-APR-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	31,24,800 MT	11,70,175.21 MT	FY 2015-16(Total Excavation)
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Not applicable	
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	Not applicable	
1f	General remarks of inspecting officers on geology, exploration etc		Operation temporary discontinued from Nov'15 onwards.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NE-SW along the strike NE-SW along the strike	NE-SW along the strike	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	formed	As per proposal
2c	Stripping ratio or ore to OB ratio	1:24	1:19.7	FY 2015-16
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	10,71,400(2015-16)	397730.47	Operation temporary discontinued from Nov'15 onwards.

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc As per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	As per proposal
3b	Quantity of ROM mineral production proposed	1,24,880 MT (2015-16)	56,529.90 MT	Operation temporary discontinued from Nov'15 onwards.
3c	Recovery of sailable/usable mineral from ROM production	1,24,880 MT	56,529.90 MT	
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.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Staggered	Staggered	

3k	Provision of mining machineries in mineral benches	Diesel Operated Shovel& Dumpers	Diesel Operated Shovel& Dumpers
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	25.99 Ha (Including inactive benches)	22.83 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:24	1:19.7
3o	Total area put in use under different heads at the end of year	Pit-19.69 Ha Waste/reject: 10.15 ha	Pit- 22.83 Ha Waste/reject: 10.15 ha
3p	Production of ROM mineral during the last five year period as applicable	180000 MT (2011-12) 180000 MT (2012-13) 180000 MT (2013-14) 180000 MT(2014-15) 1,24,880 MT (2015-16)	179784.81 MT 179770.71 MT 179995.09 MT 141577.32 MT 56529.90 MT
3q	General remarks of inspecting officers on method of mining etc.		Almost as per proposal.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	formed	as per proposal
4b	Location of topsoil, OB and mineral reject dumps	Sit-II	Sit-II	As per proposal

4c	Number of dumps within lease area and outside of lease area	2	1
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Sit-II: F/W Site-III: H/W	Sit-II: F/W Site-III: H/W
4e	Number of active and alive dumps.	1	1
4f	Number of dead dumps.	2	2
4g	Number of dumps established.	1	1
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	NA	NA
4k	Specific comments of inspecting officer on waste dump management	Almost as per proposal.	Almost 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	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	

5d	Total area fully reclaimed and rehabilitated	NA	NA
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Backfilling proposal not given.

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 on PMCP submitted on time and correctly - Rule 23E(2).	not submitted	violation pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral despatched after grade wise sorting	15-20%- 2235.05 20-25%-117.75 25-30%-113617.69 30-35%-12752.94	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	180000 MT	15-20%- 1774.30 20-25%-29100.12 25-30%-15259.64 30-35%-10395.84	Ore Produced from Mine
7d	Any beneficiation process at mines	Not Proposed	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Different grade of mineral sorted out at mines as per proposal.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB dumping as proposed in Mine Plan /Scheme	Complied as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB stacked at proposed site	Complied as per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed in Scheme of Mining	1.5 Ha waste dump land within mine lease & 2.5 ha. areas of benches of old waste dump outside mine lease were reclaimed by plantation	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	As per approved mine plan/ scheme	Complied as per proposal	
8g	Survival rate	100%	100%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling, wet drilling, Rock breaker and controlled blasting	Water sprinkling, wet drilling, Rock breaker and controlled blasting	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Water sprinkling, wet drilling, Rock breaker and controlled blasting are done in mine area.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 :

(K. K. TARDIA)

Indian Bureau of Mines