

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-50/NGP

Mine code : 40MPR01047

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 13/05/2016
- (v) Prev.inspection date : 13/09/2009

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HATODA (4.04H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : HATODA
Taluka : TIRODI
Post office : MIRAGPUR
Pin Code : 481449
FAX No. : NIL
E-mail : NIL
Phone : 09981356326
- (f) Police Station : TIRODI
- (g) First opening date : 01/11/2007
- (h) Weekly day of rest :
2. Address for :
correspondance :
3. (a) Lease Number : MPR2212
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 06/06/2027
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S PRAKASH INDUSTRIES LTD.
BILASPUR CHHATTISGARH
Phone:
FAX :

Owner : SHRI V.P.AGRAWAL, DIRECTOR
BALAGHAT MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 11/04/2007
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 15/03/2013

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	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2.000 Hect	2.000 Hect	
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2016 is 14000 MT	As per proposal	
1f	General remarks of inspecting officers on geology, exploration etc			Nil

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	140 mtr x 50 mtr.	120m x 50 m	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Total 4 benches	As per proposal	
2c	Stripping ratio or ore to OB ratio	1 : 12	1 : 12	
2d	Quantity of topsoil generation in m3	3000 m3	Around 3000 m3	
2e	Quantity of overburden generation in m3	10000 M3	Around 10000M3	Nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	one	
3b	Quantity of ROM mineral production proposed	Quantity of ROM mineral production proposed (2015-16) 1500 MT	Quantity of ROM mineral production proposed (2015-16) 708 MT	
3c	Recovery of sailable/usable mineral from ROM production	85%	As per proposal	
3d	Quantity of mineral reject generation	5%	9%	
3e	Grade of mineral rejects generation and threshold value declared.	Below 18% Value Rs.@ 500 M.T.	As per proposal	
3f	Quantity of sub grade mineral generation.	5%	5%	
3g	Grade of sub grade mineral generation	Below 18%	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	As per proposal	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Zigging Machine	Nil	
3j	Provision of drilling and blasting in mineral benches	Proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	Nil	Nil	
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	0.9100 Hec.	1.000 Hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:12	1:12	
3o	Total area put in use under different heads at the end of year	3.390 Hect	3.370 Hect	
3p	Production of ROM mineral during the last five year period as applicable	1900 m3	1000 m3	
3q	General remarks of inspecting officers on method of mining etc.			Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Yes, done as per Mining Scheme	
4b	Location of topsoil, OB and mineral reject dumps	Proposed	As per Mining Scheme	
4c	Number of dumps within lease area and outside of lease area	One dump within lease area	As per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	North of Lease as per mining Scheme	North of Lease as per mining Scheme	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management			No specific comments offered

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.	No backfilling stage at present	As per proposal	
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)	Partly used for plantation remaining will be used for restoration	As per proposal	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No specific comment

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Nil	Nil
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	Nil	Nil
6d	No. of saplings planted during the year	Nil	Nil
6e	Cumulative no .of plants	70 Nos	50 Nos
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs 10000/-	Rs 10000/-
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	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No stage of backfilling

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Within lease area	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	18 % to 40 %	18 % to 30 %	

7d	Any beneficiation process at mines	zigging	zigging	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			As per above. No specific comment.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil stored separately /Partly used for Plantation	Topsoil stored separately /Partly used for Plantation	
8b	Concurrent use or storage of topsoil	Partly used for Plantation	As per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation of 50 trees done every year	As per proposal	
8g	Survival rate	50%	10%	

8h	Water sprinkling on roads to control airborne dust	Proposed	At the time of work by water tanker sprinkling on road is done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines 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 April 2016 A.R. submitted upto March 2014-15		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information Given		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information Given		
9d	Scrutiny of Annual return on afforestation	Information Given		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	268 M.T. below 18%		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information Given 151 M.T.		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information Given Sale Value 7090731=00 Ex mine price 518 PMV.		

9h	Scrutiny of Annual return on fixed assets	Information Given	
9k	Scrutiny of Annual return on mining machineries	Information given Pocklain 200 and Dumper on Rent Basis hence- Nil	Information provided in the annual Return is more or less correct

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 :

(S. M. DORLE)

Indian Bureau of Mines