

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/CND/FE-10/NGP

Mine code : 30MSH08001

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : No mine Official. only Mine guard was present
Official with
Designation
- (iv) Date of Inspection : 16/11/2018
- (v) Prev.inspection date : 22/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GUNJEWAHI**
- (b) **Registration NO.** : **IBM/314/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : MAHARASHTRA
- District : CHANDRAPUR
- Village : GUNJEWAHI
- Taluka : SINDEWAHI
- Post office : PATHRI
- Pin Code :
- FAX No. : N.A.
- E-mail : N.A.
- Phone : (0)-640350,640540, (R)-529
- (f) **Police Station** : PATRI
- (g) **First opening date** : 06/01/1984
- (h) **Weekly day of rest** : FRI
2. **Address for** : HABIB NAGAR, TEKE,
correspondance NAGPUR-440017
3. (a) **Lease Number** : MSH0037
- (b) **Lease area** : 15.07
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 21/03/2033
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : M/s Gahra Minerals
 Habib Nagar , Teka, Nagpur
 Distt. Nagpur (MS) NAGPUR
 MAHARASHTRA
 Phone:
 FAX :

Owner : M/s Gahra Minerals
 Habib Nagar, Teka, Nagpur
 Distt. Nagpur (MS) NAGPUR
 MAHARASHTRA
 Phone:
 FAX :

Mining Engineer

Name : SHRI RAMAKANT SINGH, Full Time
 Qualification : B. E. MINING
 Appointment/ : 01/05/2000
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	02/05/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	30/10/2012
		MP modif under 17(3) MCR 2016	24/03/2017
		MP review under 17(1) MCR 2016	21/05/2018

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	Balance area to be explored to bring Geological axis in 1 or 2 by mine owner	As per proposal	
1e	Balance reserve as on 01/04/20	Balance reserve as on 01.04.2018 is 874765 MT	As per proposal	
1f	General remarks of inspecting officers on geology, exploration etc			As per mine owner the area was explored with the help of 5 nos of boreholes, but calculation of reserve these boreholes not considered as the boreholes are not as per norms specified in Mineral Evidence and Mineral content Rules. Mining plan was approved on 21.05.2018.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western side of pit no. 1	Nil	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in soil and OB Two benches in Ore	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.5	1:0.5	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No valid mining plan was available in 2013-14 to 2016-17. Mining plan was approved for the period of 2017-18 only.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	91200 MT for the year 2017-18	25638 MT for the year 2017-18	
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not Applicable	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Nil
3j	Provision of drilling and blasting in mineral benches	Drill 83 mm dia. drilling Machine Drilling pattern in ore Specing 3.00m , Burden - 1.2m, Depth- 6.00m	As per proposal. Details elaorated in the mining plan
3k	Provision of mining machineries in mineral benches	Mining machinary proposed L & T excavator 1.6m3 and 1.2m3 bucket capacity excavator.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	benches in over-burden and mineral suitable for method of mining proposed in MP/SOM	As per proposal
3m	Total area covered under excavation/pits	6.35 hect area covered under excavation/pit s	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	Ore to OB ratio for the pit/mine during the year is 1:0.5	As per proposal

3o	Total area put in use under different heads at the end of year	Area under pit-6.35 Hect Area under Dumps-1.20 Hect Area under road/building-1.20 Hect Area under mineral stackard-1.00 Hect. Area under plantation 0.20 Hect	As per proposal	
3p	Production of ROM mineral during the last five year period as applicable	2013-14- Not Projected 2014-15-Not Projected 2015-16-Not Projected 2016-17-Not Projected 2017-18-91,200 MT	2013-14--60,482 MT 2014-15--76,676 MT 2015-16--58,535 MT 2016-17--32,197 MT 2017-18--25,636 MT	
3q	General remarks of inspecting officers on method of mining etc.			No mining plan was available for the period 2013-14 to 2016-17. Mining plan was approved for 2017-18 on 24.03.2017

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for Separate dumping of topsoil, OB & mineral reject	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Nil	

4c	Number of dumps within lease area and outside of lease area	The proposal was overburden, i.e. lateritic soil and waste rock, generated during the course of mining will be dumped in the northern part of lease area	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern part of lease area	As per proposal
4e	Number of active and alive dumps.	One dump is active	As per proposal
4f	Number of dead dumps.	Four numbers of old dumps	As per proposal
4g	Number of dumps established.	Not Proposed	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	No retaining was seen during inspection
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Not Applicable
4j	Number of settling ponds	Not Proposed	Nil

4k	Specific comments of inspecting officer on waste dump management	Presently mining operations are temporarily discontinue also the stage of backfilling is not yet started. During site inspection, one huge waste dump was seen in the south-western part of lease area due to which boundary pillar no. 3, 4 and 5 were not traceable. Further, protective measures to control wash-off or erosion of material from the dumps such as garland drain and retaining wall along the toe of the dump have not been constructed. for the same violation of rule 28(3) of MCDR 2017 given
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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 full extraction of mineral from mined out area hence no backfilling proposed	Nil	
5b	Area under backfilling of mined out area	Nil	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For plantation however soil is very less	Nil	

5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The stage of backfilling is not yet started.

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).	Proposed	Yes, Annual report 2017-18 on PMCP has been given	
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	
6c	afforestation done (ha).	0.20 Hect area proposed for Afforestation	As per proposal	
6d	No. of saplings planted during the year	Proposed 500 saplings planted during the year	Around 100 No. of saplings planted during the year	
6e	Cumulative no .of plants	Proposed total 1200 nos of plants	Total around 1000 nos of plants	
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Not proposed	Nil	
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.	Presently mining operations were temporarily discontinued
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal of ROM of 91,200 MT for 2017-18	25638 MT production for 2017-18	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Proposed manual method of grade-wise mineral sorting	As per proposal	
7c	Different grade of mineral sorted out at mines.	Nil	NA	
7d	Any beneficiation process at mines .	Nil	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No seperate grade of Iron ore however lumps and fines are stacked seperatly

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not Applicable	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable as the stage has not come for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable as the stage has not come for backfilling.	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 trees available	Around 1000 trees found in the area	
8g	Survival rate	Not given	NA	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Top soil is very small amount exists in the area, mine is temporarily discontinued

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return of 2017-18 submitted Monthly returns are also available upto November 2018		

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information about mining Engineer or Geologist	Violation of MCDR rule 55 was issue to the lessee on 04.05.2018. Necessary legal action is under process
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	Advise letter sent to state DGM for contravention observed in the annualreturn	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	7000 MT	Grade 25 FE
9f	Scrutiny of Annual return on ROM stock and/or graded ore	25638 MT graded ore	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price Lumps 55% to below 58%- Rs 1666/- Fines Below 55%- Rs 1010/- Cost of Mining 1249/- per ton Fines 58% to below 60%- Rs 850/-	
9h	Scrutiny of Annual return on fixed assets	Information Given	
9k	Scrutiny of Annual return on mining machineries	Information not given	

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
MCDR17	Rule 28(3)(c	06/12/2018	MCDR17	Rule 28(3	06/12/2018

Date :
(S. M. DORLE)

Indian Bureau of Mines