

**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 : V. K. Misar, QP
Official with
Designation
- (iv) Date of Inspection : 09/04/2018
- (v) Prev.inspection date : 22/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GUNJEWAHI**
- (b) **Registration NO.** :
- (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)-5290
- (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

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	By Mine owner	By mine owner	
1e	Balance reserve as on 01/04/20	874765 MT	874765 MT	
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	As per proposal	
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	1:05	

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	
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	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not Applicable	

3j	Provision of drilling and blasting in mineral benches	Drill 83 mm dia. drilling Machine Drilling pattern in ore Specing 3.00 m , Burden -1.2 m, Depth-6.00 m	As per proposal. Details elaorated in the mining plan
3k	Provision of mining machineries in mineral benches	Mining machinary proposed L & T excavator 1.6m ³ and 1.2 m ³ bucket capacity excavator.	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of 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/pits	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 stack yard-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	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
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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
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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 nothern 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	As per proposal	

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	One Settling pond from where dewatering has been done during rainy season	
4k	Specific comments of inspecting officer on waste dump management			In the lease area 5 numbers of huge dump are present . Details given in all plans.

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 proposed.	As per proposal	
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)	Not proposed	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The stage of backfilling is not yet started

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).	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	Not applicable
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not Applicable	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Applicable	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.			The reclamation stage is not yet started

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.	NA	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	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 trees available	Around 1000 trss found in the area	
8g	Survival rate	Not proposed	Survival rate around 60%	
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			Presently top soil is very small amount exists in the area

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		
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.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Advise letter sent to state DGM for contravention observed in the annual return		
9d	Scrutiny of Annual return on afforestation	Not given	Advise letter sent to state DGM for contravention observed in the annual return	

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 55(1)(3) 03/05/2018					

Date :
(S. M. DORLE)

Indian Bureau of Mines