

MCDR INSPECTION REPORT 2016-17

General

S. N.	Particulars	Details
1	Name of the Mine	Waghelapeth Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Private Land - 10.21 Hect. Total 10.21 Hect.
3	Mine code	30MSH 08002
4	IBM Registration Number under rule 45 of MCDR, 1988	314/30MSH08002
5	Name of the lessee, Address, phone, email and fax number	M/Gahra Minerals
6	Village	Waghelapeth
7	Taluka/Mandal	Chimur
8	District	Chandrapur
9	Pin code	--
10	State	Maharashtra
11	Post office	Jamulghat
12	Nearest police station	--
13	Nearest Railway station	--
14	Date of Grant of Mining Lease	-
15	Date of Execution	
16	Date of opening of Mine	1/12/1988
17	Date of first Renewal, if applicable and its period & expiry	-
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	M/s Gahra Minerals , Habib Nagar , Teka Nagpur, Dist. Nagpur Maharashtra, gahraminerals@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Gahra Minerals , Habib Nagar , Teka Nagpur, Dist. Nagpur Maharashtra gahraminerals@rediffmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Prashant Sankade from 5.9.2016
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Prashant Sankade B.E from 5.9.2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	NA
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	12/8/2013, SOM 2012-13 to 2016-17

27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	A (OFTM)
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 bhs	nil	Will be drilled this year
1b	Exploration over lease area for Geological axis 1 or 2.	nil	nil	121 category of reserves already reported .
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	area is proposed to be drilled up to depth of 30mts.		.
1e	Balance reserves as on 01.04.2016	Under 121 category 134087 T(as per approved document)		)
1f	General remarks of inspecting officer on geology, exploration etc.	Mineral may exist at deeper level and the same has to be proved yet by the lessee towards the western side of area.		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Central part	yes	.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	nil	yes	
2c	Stripping ratio or ore to OB ratio	1:0.20	yes	
2d	Quantity of topsoil generation in m3	2000M3 for the five year plan period	Less amount of soil has been generated and the same is used for plantation purpose	
2e	Quantity of overburden generation in m3	3600M3	1500M3(appro)	.
2f	General remarks of inspecting officer on development of pit w.r.t.	Development is as per the proposal and ,however the development is less because the mine remains discontinued no of time.		

	type of deposit etc.		
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Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	To widen the and deepen the existing pits towards eastern side	yes	
3b	Quantity of ROM mineral production proposed	33600T	17167 T	
3c	Recovery of salable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral reject generation and threshold value declared	nil	nil	
3f	Quantity of sub-grade mineral generation	nil	nil	
3g	Grade of sub-grade mineral generation	nil	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Regular sampling method adopted		
3j	Provision of drilling & blasting in mineral benches	Compressed air operated Wagon /DTH drills		
3k	Provision of mining machineries in mineral benches	OFTM	yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes		
3m	Total area covered under excavation/pits	1.85 Hect.	1.85 Hect.	Area broken for mining
3n	Ore to OB ratio for the pit/mine during the year	1:0.20	yes	
3o	Total area put in use under different heads at the end of year	6.75 Hect	6.75 Hect	
3p	Production of ROM mineral during last five-year period, as applicable	2011-12 36,936 Ton 2012-13:-33,600 Ton 2013-14:-33,600 Ton 2014-15:- 33,600 Ton 2015-16:- 33,600Ton	2011-12:-14722 Ton 2012-13:-46235 Ton 2013-14:-1284 Ton 2014-15:-11227 Ton 2015-16:-17167 Ton	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is as per the proposal and production is less because of lack of market demand.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	yes	yes	
4b	Location of topsoil, OB & mineral reject dumps	Northern side	yes	-
4c	Number of dumps within lease area and outside lease area	3nos	3 no	Not able to make out, because of non availability of boundary pillars . Violation issued
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	North and south	Northern and Southern part	
4e	Number of active & alive dumps	1		
4f	Number of dead dumps	2		
4g	Number of dumps stabilized	1		
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	no	Violation issuesd
4i	Length of Retaining wall or garland drain all along dump	nil	nil	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management	Spillage of waste dumps along the lease boundary is observed and are not properly managed.		Violation issuesd

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	nil	nil	
5b	Area under backfilling of mined out area	nil	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	nil	nil	
5d	Total area fully reclaimed & rehabilitated	area yet to attain maturity limit		
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining pit yet to attained the maturity limit hence no backfilling/reclamation is done.		

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
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SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	PMCP submitted along with SOM for the period 2012-13 to 2016-17		
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	nil	nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	nil	nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	nil	nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	As per CCOM circular nil		
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Area is yet to attain the optimum depth and there is no possibility of closure of mining operation.		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	33600T	17167 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	nil	manually	
7c	Different grade of mineral sorted out at mines	nil		
7d	Any beneficiation process at mines	nil		
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The ROM is processed to various sizes nearby crusher site in the lease area and is supplied to end users as per specified requirement. No chemical process is involved.		

Environment

SN	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	yes	nil	Will be used for reclamation of land if required or used for afforestation.
8b	Concurrent use or storage of topsoil	nil		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil	nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Dump rehabilitation is propose by plantation activity	NII	Violation issued
8f	Baseline information on existence of plantation & additional plantation	Near the mining lease boundary plantation has been carried out		
8g	Survival rate	80%		
8h	Water sprinkling on roads to control airborne dust	Dust suppression on mine haul road, has been followed.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	To keep the aesthetic beauty intact of the area, suppression of dust on the mine is being done by sprinkling of water.		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Sept 2016 A.R. submitted up to 2015-16 not submitted	Violation issued

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	nil	nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	nil	nil	
9d	Scrutiny of Annual return on afforestation	nil	nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	nil	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-nil	nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	nil	nil	

9i	Scrutiny of Annual return on fixed assets	nil	nil	
9k	Scrutiny of Annual return on mining machineries	nil	nil	

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No violation observed during the inspection.

A) Status of Violation of earlier inspection nil

B) Fresh violation issued under Rule 13(1) & rule 45

KEWAL KRISHAN

Sr. Mining Geologist

(Name of inspecting officer with designation **and date**)