

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

Mining Plan Modification REPORT

Bangalore regional office

Mine file No : KNT/CTD/FE/38/BNG

Mine code : 30KAR07018

- (i) Name of the Inspecting : **P005**) **C.PARAMESHWARAN**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr.Sanjay N.B. MINES Agent/ Nagaraj. Representative o
Official with
Designation
- (iv) Date of Inspection : 07/12/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NARAHARI MINES (ML 1934)**
- (b) **Registration NO.** : **IBM/4247/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **CHITRADURGA**
- Village : **B.B.HALLI**
- Taluka : **CHITRADURGA**
- Post office : **BHEEMASAMUDRA**
- Pin Code : **577520**
- FAX No. : **080-42459737 (F), 080-42459**
- E-mail : **minent@mel.co.in, narahai@**
- Phone : **08194-223035, 08194227300,**
- (f) **Police Station** : **HOSADURGA**
- (g) **First opening date** : **10/04/1982**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **M/s Mineral Enterprises Ltd**
correspondance **No.49, 3rd Floor, Khanija Bhavan**
West Wing, Race Course Road,BANGALORE-560001
3. (a) **Lease Number** : **KAR1078**
- (b) **Lease area** : **6.07**
- (c) **Period of lease** : **30**
- (d) **Date of Expiry** : **31/03/2010**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : MINERAL ENTERPRISES (P)LTD
 # 300, 1/B, 16TH CROSS,
 SADASHIVNAGAR, BANGALORE
 KARNATAKA
 Phone:080-3612569, 3613182
 FAX :080-3612737

Owner : MINERAL ENTERPRISES (P)LTD
 # 300, 1/B, 16TH CROSS,
 SADASHIVNAGAR, BANGALORE
 KARNATAKA
 Phone: 080-3612589, 36
 FAX : 080-3612737

Agent : N.B.SANJAY
 CHITRADURGA KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : G.ASHOK KUMAR,Full Time
 Qualification :
 Appointment/ : 10/05/2006
 Termination date

Geologist

Name : N.S.THYAGARAJA,Part Time
 Qualification : MSc GEOLOGIST
 Appointment/ : 11/06/2004
 Termination date

Manager

Name : P.PANDIAN
 Qualification : DIP.IN MINING & MINES SURVEY, FCC
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	09/03/1995
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	27/01/2006
		Mining Scheme rule 12 MCDR1988	08/06/2015
		Modif.approved Mining Scheme	23/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals.	no back log	Nil
1b	Exploration over lease area for geological axis 1 or 2	Proposed for 15 BH	It will be done after the execution of ML	Mine nt working.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	proposed for 17.65 lakhs.	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	proposed	Nil	Nil, after the Execution of ML only possible.
1e	Balance reserve as on 01/04/20	5.89MMT	5.89MMT	same no change.
1f	General remarks of inspecting officers on geology, exploration etc	proposals drawn by the lessee.	Not yet started.	Presently lessee is ready to start the mine and to take up exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	propesd in Section 6-6' to 11-11')	Nothing as on date of inspection.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for separate topsoil over burden benches in the current MP	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:0.34	not able to know.	No mininin operation to know the latest.
2d	Quantity of topsoil generation in m3	No proposals.	Nil	Nil
2e	Quantity of overburden generation in m3	230502 m3	Nil	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Given proposal no work as on date. for systematic work	not yet started.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit only	no work	nil
3b	Quantity of ROM mineral production proposed	340000 Tonnes	Nil	Nil
3c	Recovery of sailable/usable mineral from ROM production	90% propsoed.	Nil	Nil
3d	Quantity of mineral reject generation	No proposals.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Proposed	+45%Fe	nil
3f	Quantity of sub grade mineral generation.	No proposals.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposals.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical means.	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Given	Nil	Nil

3k	Provision of mining machineries in mineral benches	Given	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Given	Nil	Suitable as it appears in the old workings.
3m	Total area covered under excavation/pits	Given	nil	9.93 ha as on date in the non working areas.
3n	Ore to OB ratio for the pit/mine during the year.	given	1:0.34	nil
3o	Total area put in use under different heads at the end of year	Given	55.96 ha	as reported in the AR-2016-17.
3p	Production of ROM mineral during the last five year period as applicable	2016-20 :340000 Tonnes No production has been done from the date of Approved Scheme of Mining due to no Mining operations since 27.04.2011 to till date.	No production has been done from the date of Approved Scheme of Mining due to no Mining operations since 27.04.2011 to till date.	2016-20 :340000 Tonnes No production has been done from the date of Approved Scheme of Mining due to no Mining operations since 27.04.2011 to till date.
3q	General remarks of inspecting officers on method of mining etc.	Proposals drawn	But till date no production from 2011.	As above due to Non execution of ML area.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed for dumping OB, Topsoil & Mineral Reject	Nil	Nil

4b	Location of topsoil, OB and mineral reject dumps	UTM Readings: E 633177 to E 633559 and N 1571888 to N 1572253	No operation	nil
4c	Number of dumps within lease area and outside of lease area	1 No dump is Proposed within Lease Area	No changes.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal of dumps within Ultimate Pit Limit	No changes.	Nil
4e	Number of active and alive dumps.	One	One only without any change.	Nil
4f	Number of dead dumps.	D1, D2 & D3	No changes.	Nil
4g	Number of dumps established.	D1, D2 & D3	No changes.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Given	Yes present	Nil
4i	Length of Retaining wall or garland drain all along dumps	Given	Yes provided.	Retaining Wall- 1677 mts & Garland Drains- 1679
4j	Number of settling ponds	given	2 nos.	yes as above.
4k	Specific comments of inspecting officer on waste dump management	Given	Nothing during the year	Satisfactory in the past.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals.	Nil	Nil
5b	Area under backfilling of mined out area	No proposals.	Nil	Nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals.	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposals.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposals.	Nil	Nil

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).	Not proposed	not submitted	nil
6b	Area available for rehabilitation (ha) .	No proposals.	Nil	Nil
6c	afforestation done (ha).	No proposals.	Nil	Nil
6d	No. of saplings planted during the year	No proposals.	nil	nil
6e	Cumulative no .of plants	No proposals.	nil	nil
6f	Any other method of rehabilitation	No proposals.	nil	nil
6g	Cost incurred on watch and care during the year	No proposals.	nil	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals.	Nil	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals.	Nil	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposals.	Nil	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals.	Nil	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals.	Nil	nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals.	nil	nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals.	Nil	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposals.	Nil	Nil
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	340000 T/A	nil	nil, due to non operational.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	nil	no working.
7c	Different grade of mineral sorted out at mines.	Given proposals.	nil due to non operational	nil
7d	Any beneficiation process at mines	No proposals.	nil	nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	proposed to work in systematic way.	nil	nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals.	Nil	NIL
8b	Concurrent use or storage of topsoil	No proposals.	nIL	nIL

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for waste dump only.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals.	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals.	Present in the ML area natural growth.	Yes naturally the area is filled with bushes & shrubs.
8g	Survival rate	No proposals.	50-60%	same.
8h	Water sprinkling on roads to control airborne dust	proposed	No such work due to non mining.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposals.	No changes.	things are going bad to worse due to no maintaenance.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given as per the format.	Since the mine is not operating, the details of the ME/ Geologist & Manager are not given, execept agent, Shri. Sanjay . N. B.	Satisfactory.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given as per the format.	Not reported on ME/ Geologist/ Manager.	No mining since 2011.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given as per the format	The ML area comes under non forest, Mining=9.93 ha, waset dump=10.38 ha, plant, building etc.=33.18 ha, other-green belt etc.=2.47 ha & PMCP=1.0ha.	satisfactory.
9d	Scrutiny of Annual return on afforestation	given as per the format.	Reported nil	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	reported nil	nil	Opening & closing stok is reporetd as 995t
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not reported.	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Nil report	Nil	On depreciation is given as 2026162t.
9k	Scrutiny of Annual return on mining machineries	Not reported.	Nil	Nil, due to non operational.

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 :

(C.PARAMESHWARAN)

Indian Bureau of Mines