

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

Mining Plan Modification REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/454/BNG

Mine code : 30KAR03157

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Muthu Reddy, a representetive of the lessee and ot
Official with
Designation
- (iv) Date of Inspection : 08/09/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALLAHALL ML 2538**
- (b) **Registration NO.** : **IBM/217/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **KALLAHALLI**
- Taluka : **HOSPET**
- Post office : **KALLAHALLI**
- Pin Code :
- FAX No. : **080-41224388 (F),**
- E-mail : **premapawan@gmail.com,hnp25**
- Phone : **080-22200484 (O), 99017666**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** :
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **H.N.PREMKUMAR**
correspondance **3rd CROSS, 3rd MAIN, RMV V 2nd STAGE, HIG COLON**
BANGALORE - 560 094.
3. (a) **Lease Number** : **KAR1502**
- (b) **Lease area** : **19.15**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **27/02/2027**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : H.N.PREMKUMAR,
 BELLARY KARNATAKA
 Phone:
 FAX :

Owner : H.N.PREMKUMAR
 BELLARY KARNATAKA
 Phone:
 FAX :

Agent : H MUTHU REDDY
 GAVISIDDESHWARANAGAR HOSPET
 BELLARY KARNATAKA
 Phone: 9902542662
 FAX :

Mining Engineer
 Name : N GIRIDHAR RAO, Full Time
 Qualification : B.Sc B.E MINING FCC 27 YRS
 Appointment/ : 04/12/2017
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	21/08/2007
		Mining Scheme rule 12 MCDR1988	13/02/2015
		MP review under 17(1) MCR 2016	25/01/2017

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	No proposal	Nil	-
1e	Balance reserve as on 01/04/20	-	-	The proved reserves as on 1.4.2017 is 1005800(reef) and 17500 tonnes(Float)
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There is no proposal for exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Along sections EE' in Pit -1	Worked in between sections FF' and GG'.	The violation has been pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	Yes	-
2c	Stripping ratio or ore to OB ratio	1:0.89	Not specified	-
2d	Quantity of topsoil generation in m3	nil	nil	no top soil generated.
2e	Quantity of overburden generation in m3	22,250 cu.m	10382 cu.m	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Not working as per the approved proposals. The violation has been pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit no.1	worked in the area between the sections FF' and GG'.	the violation has been pointed out.
3b	Quantity of ROM mineral production proposed	70000 tonnes	35000 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
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	Nil	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	-
3j	Provision of drilling and blasting in mineral benches	yes	Yes	-

3k	Provision of mining machineries in mineral benches	Yes	Yes	-
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	Not specified	Not specified	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.89	Not specified	-
3o	Total area put in use under different heads at the end of year	Not specified	Not specified	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14 : Nil 2014-15: 70000t 2015-16: 70000t 2016-17: 70000t 2017-18 : 70000t	2013-14 : Nil 2014-15: nil 2015-16: 70000t 2016-17: 70000t 2017-18 : 35000t (upto August, 2017)	2014-15: 70000t
3q	General remarks of inspecting officers on method of mining etc.	-	-	there is no change in method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	-
4b	Location of topsoil, OB and mineral reject dumps	North western side of the lease	North western side of the lease	-
4c	Number of dumps within lease area and outside of lease area	one temporary dump within the lease	one temporary dump within the lease	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dump within the UPL	Temporary dump within the UPL	-
4e	Number of active and alive dumps.	one	one	-
4f	Number of dead dumps.	nil	Nil	-
4g	Number of dumps established.	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal as per the approved R&R.	Being constructed as the approved R&R proposals.	-
4i	Length of Retaining wall or garland drain all along dumps	As per R&R proposals	As per R&R proposals	-
4j	Number of settling ponds	No proposals	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments

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 proposals	Nil	-
5b	Area under backfilling of mined out area	No proposals	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	nil	-
5d	Total area fully reclaimed and rehabilitated	No proposals	nil	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No proposals at present for backfilling and reclamation of the mines out area.
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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 submitted	Violation has been pointed out.
6b	Area available for rehabilitation (ha) .	No proposals	nil	-
6c	afforestation done (ha).	No proposals	nil	-
6d	No. of saplings planted during the year	No proposals	nil	-
6e	Cumulative no .of plants	No proposals	nil	-
6f	Any other method of rehabilitation	No proposals	nil	-
6g	Cost incurred on watch and care during the year	No proposals	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals	nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	nil	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposals	nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	nil	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals	nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals	nil	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals	nil	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No specific proposals at present.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sorting, crushing and screening	Sorting, crushing and screening	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	-
7c	Different grade of mineral sorted out at mines.	+45%Fe	above +45%Fe	-
7d	Any beneficiation process at mines	No proposals	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There is no deviation in respect of mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	nil	-
8b	Concurrent use or storage of topsoil	No proposals	nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals	nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	nil	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1500 saplings	2000 saplings	-
8g	Survival rate	90%	70%	-
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted upto August, 2017. AR submitted upto 2016-17	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Not appointed full time ME/Geologist	The violation pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	-	-
9d	Scrutiny of Annual return on afforestation	Given	1500plants within the lease and 500 plants out side the lease.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	No rejects generation	-

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price is reported less than the cost of production.	Necessary action being taken online by the MSS division.
9h	Scrutiny of Annual return on fixed assets	Given	-	-
9k	Scrutiny of Annual return on mining machineries	Given	All are non-electrical.	-

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 11(1)	20/10/2017	07/02/2018				
MCDR17	Rule 19(1)	20/10/2017	07/02/2018				
MCDR17	Rule 26(2)	20/10/2017	07/02/2018				
MCDR17	Rule 31(4)	20/10/2017	07/02/2018				
MCDR17	Rule 55(1)(1)	20/10/2017	07/02/2018				

Date :

(K.SRINIVAS)

Indian Bureau of Mines