

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

MCDR INSPECTION REPORT

Bangalore regional office

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

Mine code : 30KAR03157

- (i) Name of the Inspecting : **P005**) **C.PARAMESHWARAN**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI P.Muthu reddy. Representative.
Official with
Designation
- (iv) Date of Inspection : 12/08/2015
- (v) Prev.inspection date : 30/10/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALLAHALL ML 2538**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : BELLARY
Village : KALLAHALLI
Taluka : HOSPET
Post office : KALLAHALLI
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : H.N.PREMKUMAR
correspondance : 3rd CROSS, 3rd MAIN, RMV STAGE, HIG COLONY,
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 :

Mining Engineer

Name : H.SUBBA RAO,Full Time
Qualification : BE MINING WITH FULL TIME
Appointment/ :
Termination date

Manager

Name : CHANDRAMOULI.S.
Qualification : B.E.MINING WITH FCC
Appointment/ : 25/07/2008
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 21/08/2007

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	proposed to drill 7 bh for the year 2015-16.	no operation found in the mine. as per the approved document, lessee drilled 24 nos. of core drills with 962m and 30nos. of trial pits.	drill holes could be seen in the fields.
1b	Exploration over lease area for geological axis 1 or 2	2.682 ha in insitu area under G1, and G2-3.026 ha. in float area 0.043 ha in G1 & 0.061 ha in G2 axis.	same as written above 2.682 ha in insitu area under G1, and G2-3.026 ha. in float area 0.043 ha in G1 & 0.061 ha in G2 axis.	while approving the document, the lessee drilled bore holes. after wards it is stopped.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	proposal for 2014-15	Rs. 35,09,800 incurred for drilling the bore holes in the ML area. by the company itself.	During the year 2014-15, the lesseed drilled the above 24 bore holes.
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	11.031 ha	possibly after the resumption of mining operations.
1e	Balance reserve as on 01/04/20	2.910 million tonnes in insitu . and 0.0.80 float ores.	no work after the approva of scheme of mining.	as per approved scheme of mining.
1f	General remarks of inspecting officers on geology, exploration etc	Since the mine is not in operation, nothing to comment.	nil	Lessee undertaken some exploration during 2014-15 only after that the mine is not in operation.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Middle of the ML area given in th approved SOM.	No mining activties.	nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	provision made in the approved documents	nil	nil

2c	Stripping ratio or ore to OB ratio	1:1.36	nil	nil
2d	Quantity of topsoil generation in m3	nil	nil	nil
2e	Quantity of overburden generation in m3	34126 m3	nil	nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	nil	nil work	During the inspection, it was observed, that the Boundary pillars were in as per the ML deed, further no comments to offer for non operational mine.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one only.	nil	nil due to non operational.
3b	Quantity of ROM mineral production proposed	25087m3	nil	nil
3c	Recovery of sailable/usable mineral from ROM production	80% & 60% in insitu & float respectively.	nil	nil
3d	Quantity of mineral reject generation	34126m3	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	less than 45%	nil	nil
3f	Quantity of sub grade mineral generation.	10%	NIL	NIL
3g	Grade of sub grade mineral generation	UPTO -45%	NIL	NIL

3h	Manual / Mechanised method adopted for segregating from ROM	MECHANIZED.	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	YES PROVIDED	NIL	NIL
3k	Provision of mining machineries in mineral benches	YES	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES PROPOSED	NIL	NIL, SINCE NO WORK.
3m	Total area covered under excavation/pits	2.71 HA as per approved	same as above	same as above.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.61	nil	nil
3o	Total area put in use under different heads at the end of year	6.17 ha+4.8 ha	nil	nil
3p	Production of ROM mineral during the last five year period as applicable	2011-12=nil, 2012-13=nil, 2013-14=nil, 2014- 15=25549t, 2015-16=25087t and 2016- 17=25000t.	2011-12=nil, 2012- 13=nil, 2013-14=nil, 2014-15=25549t, 2015- 16=on the day of inspection nil, no mining operation started. and 2016-17=nil	it was proposed start.
3q	General remarks of inspecting officers on method of mining etc.	Till 2009, no production.	the mine is planned to start after the monsoon.	no production & no mining observed as on date.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes provision made for separate dumping.	nil	nil
4b	Location of topsoil, OB and mineral reject dumps	A per approved SOM.	nil	nil
4c	Number of dumps within lease area and outside of lease area	one only	same as above	same as above
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within the UPL	as per the approved document.	this need to be changed after the exploration outcome.
4e	Number of active and alive dumps.	one only	as above	as above
4f	Number of dead dumps.	nil	nil	nil
4g	Number of dumps established.	none	nil	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes	yes
4i	Length of Retaining wall or garland drain all along dumps	yes	260mx 1m x1m retaining wall x garland drain=250m	as above
4j	Number of settling ponds	yes	one only	as above.
4k	Specific comments of inspecting officer on waste dump management	yes proposal made as per the approved documents & as R & R proposals.	during mine visit it was noticed in the mine.	yes it is followed.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5b	Area under backfilling of mined out area	nil	nil	nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	only when it is completely exhausted.	nil	nil, onl
5d	Total area fully reclaimed and rehabilitated	nil	nil	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	proposal only when the mine is exhausted.	now the mine is not operating on the day of inspections.	not matured for back filling & reclamation or rehabilitations.

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 , since it is a non working mine.	nil	nil
6b	Area available for rehabilitation (ha) .	nil	nil	nil
6c	afforestation done (ha).	nil	nil	nil
6d	No. of saplings planted during the year	nil	nil	nil
6e	Cumulative no .of plants	nil	nil	nil
6f	Any other method of rehabilitation	nil	nil	nil
6g	Cost incurred on watch and care during the year	2-3lakhs	as above	as above
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	nil	nil	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	office & road side.	5000 nos on road side & office	nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	nil	nil	nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	nil	nil	nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposal was there	not sent due to non operational.	nil.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Yes proposal is only after exhaustion of ore from the particular area.	The mine is not in operation, due to which no such operation commenced.	No comments, due to non operational.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes proposed	no activity due to non operational.	nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	nil	nil
7c	Different grade of mineral sorted out at mines.	both lumps & fines and caliberated ore.	nil	nil
7d	Any beneficiation process at mines	nil	nil	nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	yes proposal is made in approved document	no mining to offer.	nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes proposal made	nil	nil
8b	Concurrent use or storage of topsoil	yes proposal made	nil	nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes proposal made	nil	nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes proposal to use	nil	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	not proposed	nil	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes base line information furnished and including additional plantations	plantation done at the mine office site and at the road side.	nil
8g	Survival rate	50-60%	same as above	as above.
8h	Water sprinkling on roads to control airborne dust	proposed for sprinkling	nil	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	yes proposals made	No much changes could be seen.	nil, due to non operational.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	violation were issued for non receipt of AR for the year 2014-15 last. similarly for the MR.	nil	nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes reported, but due to non operational, no technical officers present.	nil returns.	due to non operational tech. officers were terminated.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	no returns,	nil	nil
9d	Scrutiny of Annual return on afforestation	no AR.	nil	nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	no return to scrutinize.	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	no returns to verify.	during the field , no stock could be seen.	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	nil	nil	nil
9h	Scrutiny of Annual return on fixed assets	nil return	nil	nil
9k	Scrutiny of Annual return on mining machineries	no returns to scrutinize.	nil	nil

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