

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

**FMCP Inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/72/BNG

**Mine code :** 30KAR03048

- (i) Name of the Inspecting : 130 ) PRASHANT S HEGDE  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/Shri Pappuri Nagaraju, Mines Manager & Shivakumar,  
Official with  
Designation
- (iv) Date of Inspection : 30/07/2018
- (v) Prev.inspection date : 07/09/2013

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : PATHIKONDA
- (b) **Registration NO.** : IBM/464/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : JAYASINGAPUR
- Taluka : SANDUR
- Post office : SANDUR
- Pin Code :
- FAX No. : 08394-232444
- E-mail : email@mspllimited.com,
- Phone : 08394 -232005, 232006
- (f) **Police Station** : SANDUR
- (g) **First opening date** :
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s P. VENGANNA SETTY & BROS  
BALDOTA ENCLAVE, ABHERAJ BALDOTA ROAD,  
HOSPET, BELLARY - 583203
3. (a) **Lease Number** : KAR0236
- (b) **Lease area** : 3.03
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 05/06/1997
4. **Mineral worked** : IRON ORE Main

## 5. Name and Address of the

Lessee : P.VENGANNA SETTY & BROTHERS  
3/1, COLLEGE ROAD, HOSPET,  
BELLARY, BELLARY KARNATAKA  
Phone: 08394-232005  
FAX : 08394-232444

Owner : RAHUL.N.BALDOTA  
MSPL Limited, Baldota  
Enclave Abheraj Baldota  
Road, Hosapete BELLARY  
KARNATAKA  
Phone: 8394-232005  
FAX : 8394-232444

Agent : K. MADHUSUDHANA  
MSPL Limited, Baldota  
Enclave Abheraj Baldota  
Road, Hosapete BELLARY  
KARNATAKA  
Phone: 08394-232002  
FAX : 08394-232444

## Manager

Name : PAPPURI NAGARAJU  
Qualification : Dip. in Mining  
Appointment/ : 15/06/2016  
Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	05/09/1990
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/02/1997
	:	Renewal under rule 22 MCR1960	07/02/2004
	:	Modif.of approved Mining Plan	10/12/2010
	:	Renewal under rule 24 MCR1960	04/07/2013
	:	FMCP under 23C(1)	16/09/2014
	:	MP review under 17(1) MCR 2016	28/11/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	6 Ha area under G-1 level exploration.	6 Ha area under G-1 level exploration.	Total mineralised area 6 Ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire mineralised area covered under G-1 level of exploration.
1e	Balance reserve as on 01/04/20	-----	1.86 million tonnes of reserves. (average grade of 63 to 66 % Fe)	Based on last approved MP dated 28/11/2016
1f	General remarks of inspecting officers on geology, exploration etc	----- --	-----	The lessee had drilled 21 nos of core boreholes with 1577 total meterage and 8 nos DTH boreholes with 462 total meterage, so far. Mineralization proved upto 142 m inclined depth (vertical depth of 97 m ).

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block A and block B	NIL	Non-working mine due to pending clearance from Monitoring Committee.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches to be maintained	NIL	Non-working mine.
2c	Stripping ratio or ore to OB ratio	1:5.04	NIL	Non-working mine.

2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	1,48,760	NIL	Non-working mine.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-----	-----	Non-working mine since last 6 years due to various pending statutory clearances.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Block A and Block B of the pit	NIL	Non-workinng mine.
3b	Quantity of ROM mineral production proposed	98,053 tonnes	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	100 %	NIL	Non-working mine.
3d	Quantity of mineral reject generation	NIL	NIL	Non-working mine
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	-----
3f	Quantity of sub grade mineral generation.	NIL	NIL	-----
3g	Grade of sub grade mineral generation	NA	NA	-----
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NIL	Non-working mine.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals.	NIL	-----
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed.	NIL	NIL
3k	Provision of mining machineries in mineral benches	Excavators & dumpers	NIL	-----
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m height with 9 to 10 m width of benches	No mining operation	Earlier benches rectification works have not yet started.
3m	Total area covered under excavation/pits	20.885 Ha	20.885 Ha	-----
3n	Ore to OB ratio for the pit/mine during the year.	1:5.04	NIL	Non-working mine.
3o	Total area put in use under different heads at the end of year	Mining: 20.885 Ha Dumps: 15.395 Ha Mineral Storage: 4.84 Ha Infrastructure : 3.16 Ha Road: 0.95 Ha Bio-diversity area: 1 Ha	No change in land use pattern.	Non-working mine.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 98,000 tonnes 2014-15: 98,000 tonnes 2015-16: 98,000 tonnes 2016-17: 98,000 tonnes 2017-18: 98,053 tonnes	2013-14: NIL 2014-15: NIL 2015-16: NIL 2016-17: NIL 2017-18: NIL	-----
3q	General remarks of inspecting officers on method of mining etc.	----- --	-----	Non-working mine since last 6 years due to various pending statutory clearances.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumping OB proposed in AD-1 and BHQ dumping in BHQ stock/dump.	NIL	-----
4b	Location of topsoil, OB and mineral reject dumps	AD-1( E-654200-E654700 & N1682600-N1682900) BHQ stock/dump( E654700-E654850 & N1682500-N1682800)	NIL	Non-working mine.
4c	Number of dumps within lease area and outside of lease area	Within ML: two nos +one BHQ stock/dump Outside ML: Two nos	No change	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed outside the UPL and non-mineralized ground.	No mining operation.	NIL
4e	Number of active and alive dumps.	2 nos	2 nos	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	Environment protective measures are being taken for dumps stabilization.
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	Retaining wall: 45m and Garland drain: 60 m	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	Cumulative 1773 m retaining wall and 1250 m garland drain constructed so far as per approved R & R plan.	NIL
4j	Number of settling ponds	NIL	NIL	Two nos of SST constructed as per approved R & R plan.
4k	Specific comments of inspecting officer on waste dump management	-----	-----	Waste dump management are being carried out as per approved MP/ R & R Plan.

## 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.	NIL	NIL	Pit is not matured for backfilling.
5b	Area under backfilling of mined out area	NIL	NIL	Ore/mineral is not exhausted in the pit
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	Pit is not matured for back-filling as Ore/mineral not exhausted.

## 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).	Before 1st July of every year	submitted on 19/6/2018	NIL
6b	Area available for rehabilitation (ha) .	2.75 Ha	2.75 Ha	Under dump management.
6c	afforestation done (ha).	2.75 Ha	2.75 Ha	NIL
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NIL	20,000 nos of saplings	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	9.83 lakhs	NIL

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NIL	Pit is not matured for back-filling
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	NIL	1750 nos of saplings	within ML during year 2017-18.
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	Afforestation	NIL



6p	Compliance of environmental monitoring (core zone and buffer zone)	Season-wise environmental monitoring was proposed.	Not carried out.	Non-working mine.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----	Lessee is being implementing PMCP proposals and approved R & R plan .

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	98,053 tonnes of ROM: Massive ore (64-66 % Fe) and Friable ore ( 63-65 % Fe)	NIL	Non-working mine.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	NIL	Non-working mine.
7c	Different grade of mineral sorted out at mines.	Massive ore (64-66 % Fe) and Friable ore ( 63-65 % Fe)	NIL	NIL
7d	Any beneficiation process at mines .	Mobile crushing and screening proposed	NIL	Non-working mine.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	Non-working mine since last 6 years due to various pending statutory clearances.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB and BHQ proposed	NIL	Non-working.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	Pit is not matured for back-filling as ore/mineral not exhausted.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	Safety and environmental protective measures are being taken as per approved MP and R & R plan for dump management.	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Entire ML was under forest.	1750 nos of saplings were planted within ML during year 2017-18. Cumulative of around 4.5 lakhs nos of saplings were planted in the lease including earlier surrendered area.	NIL
8g	Survival rate	70 %	70 %	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed water sprinkling on road	NIL	Non-working mine.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----- ---	-----	Aesthetic beauty in and around mining is good as the lessee had carried out afforestation and other environmental protective measures as per approved MP and R & R Plan.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR 2017-18 received MRs received upto June 2018	AR and MRs submission were regular.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME & Geologist: None Shri P. Nagaraju, Mines Manager	Actual also same	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 20.895 Ha Dump: 15.39 Ha Infrastructure : 3.16 Ha	Actual also same.	NIL
9d	Scrutiny of Annual return on afforestation	1750 nos within ML	Actual also same	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Actual also same.	Non-working mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: 1,53,695 tonnes	Actual appeared to the same.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL as non-working mines	Actual also same.	NIL
9h	Scrutiny of Annual return on fixed assets	Rs 1,19,73,167	Actual also same.	NIL
9k	Scrutiny of Annual return on mining machineries	Excavator/Back hoe: 2 nos Wheel loader: 2 nos Generator: 1 nos Dumpers(20T): 7 nos Pumps: 2 nos	Actual also same.	NIL

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

**(PRASHANT S HEGDE)**

Indian Bureau of Mines