

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

Inspection under SDF for star rating of mines REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/150/BNG

Mine code : 30KAR03017

- (i) Name of the Inspecting : **M003**) **G C MEENA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 26/09/2019
- (v) Prev.inspection date : 09/10/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VYASANKERE**
- (b) **Registration NO.** : **IBM/199/2011**
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : VYASANKERI
- Taluka : HOSPET
- Post office : VYASANKERI
- Pin Code : 583201
- FAX No. : (08394) 232333
- E-mail : rahulbaldota@mspllimited.co
- Phone : (08394) 232003 08394232002
- (f) **Police Station** : Hospet
- (g) **First opening date** : 01/11/1962
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s MSPL Limited
BALDOTA ENCLAVE, ABHERAJ BALDOTA RD,
HOSPET, BELLARY-583201
3. (a) **Lease Number** : KAR0196
- (b) **Lease area** : 858
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 13/11/2002
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : MSPL LTD
 CO-OPERATIVE COLONY,
 HOSPET, BELLARY, BELLARY
 KARNATAKA
 Phone:28402,28502
 FAX :08394-24537,25052

Owner : MSPL LTD
 CO-OPERATIVE CLONY, HOSPET,
 BELLARY-583203 BELLARY
 KARNATAKA
 Phone:
 FAX :

Agent : MEDA VENKATAIAH
 RAMGAD MINERALS & MINING(P)
 LTD Baldota Enclave,
 Abheraj Baldota Road,
 Hospet BELLARY KARNATAKA
 Phone: 08394-232002
 FAX : 08394-232333

Mining Engineer

Name : K.MADHUSUDAN,Full Time
 Qualification : AMIE.MINING
 Appointment/ : 01/01/2015
 Termination date

Mining Engineer

Name : DOMNIC SAVIO,Full Time
 Qualification : BE MINING
 Appointment/ :
 Termination date

Geologist

Name : S.Shiv Kumar,Full Time
 Qualification : M.Sc GEOLOGY
 Appointment/ : 19/02/2001
 Termination date

Manager

Name : P.Venkeswara Rao
 Qualification : Dip.and 1st class
 Appointment/ : 01/09/2012
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	06/08/1990
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	04/04/1996
	:	Fresh under rule 22 MCR1960	10/03/1997
	:	Renewal under rule 22 MCR1960	03/09/2002
	:	Modif.of approved Mining Plan	13/08/2004
	:	Modif.of approved Mining Plan	25/04/2005
	:	Mining Scheme rule 12 MCDR1988	30/04/2007
	:	Mining Scheme rule 12 MCDR1988	11/01/2013
	:	Modif.approved Mining Scheme	22/06/2016
	:	MP review under 17(1) MCR 2016	04/11/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NA
1b	Exploration over lease area for geological axis 1 or 2	Mineralised area is 15 HA in G.1	Mineralised area is 15 HA in G.1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	32.758 MMT	31.25 MMT	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North block , A Block & B Block	North block , A Block & B Block	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	1:1.27	1:1.27	
2d	Quantity of topsoil generation in m3	NA	NA	
2e	Quantity of overburden generation in m3	1142775		

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3	3	
3b	Quantity of ROM mineral production proposed	1.8 MMT	1.8 MMT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
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.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	2.5*3m	2.5*3m	

3k	Provision of mining machineries in mineral benches	As per proposal	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9mtrs	9mtrs
3m	Total area covered under excavation/pits	86.655 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:1.27	-
3o	Total area put in use under different heads at the end of year	86.655 Mining 34.540 Active Dump 34.742 Inactive Dump 7.410 BHQ Dump 17.741 Mineral storage 5.925 Infrastructure 7.928 Roads 2.704 Plant 8.599 Others	86.655 Mining 34.540 Active Dump 34.742 Inactive Dump 7.410 BHQ Dump 17.741 Mineral storage 5.925 Infrastructure 7.928 Roads 2.704 Plant 8.599 Others
3p	Production of ROM mineral during the last five year period as applicable	0.91 MMT 2014-15 0.91 MMT 2015-16 1.8 MMT 2016-17 1.8 MMT 2017-18 1.8 MMT 2018-19	0.91 MMT 2014-15 0.91 MMT 2015-16 1.355 MMT 2016-17 1.8 MMT 2017-18 1.8 MMT 2018-19
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	3	3
4b	Location of topsoil, OB and mineral reject dumps	Western slopes Active Dumps	Western slopes Active Dumps
4c	Number of dumps within lease area and outside of lease area	3 Active Dumps 2 Inactive Dumps	3 Active Dumps 2 Inactive Dumps
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump 2 Active E 649000 -E649650 to N1681200 N 1681800 Dump 3 Active E 648400 - E 649300 To N1682000 -N 1682600 Dump 6 Active E 650100 - 650650 To N1680800 -N 1681200 Dump 2 (Active)	Dump 2 Active 649000 -E649650 to 1681800 Dump 3 Active 648400 - E 649300 To N1682000 -N 1682600 Dump 6 Active 650100 - 650650 To N1680800 - N 1681200
4e	Number of active and alive dumps.	3 Active Dumps	3 Active Dumps
4f	Number of dead dumps.	2+1 Inactive Dumps	2+1 Inactive Dumps
4g	Number of dumps established.	2+1	2+1
4h	Whether Retaining wall or garland drain all along dumps are there.	As per proposal	As per proposal
4i	Length of Retaining wall or garland drain all along dumps	52 mtrs	52 mtrs
4j	Number of settling ponds	0	0

4k Specific comments of inspecting officer on waste dump management

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.	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	130.054 Ha	130.054 Ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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).	YES	YES	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha).	NA	NA	

6d	No. of saplings planted during the year	NA	NA
6e	Cumulative no .of plants	NA	NA
6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	NA	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Complied	Complied
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Nil	ROM Nil Lumps 613301.97 tons Fines 1494749.8 tons	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NO	NO	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES as per proposal	YES as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes float ore mined out area reclaimed	Yes float ore mined out area reclaimed	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	20000 plants	20000 plants	
8g	Survival rate	82%	82%	
8h	Water sprinkling on roads to control airborne dust	Provided	Provided	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto AUG 2019 A.R. submitted upto 2018-19		August 2019 2018-19
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		
9d	Scrutiny of Annual return on afforestation	Yes		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes		
9h	Scrutiny of Annual return on fixed assets	Yes		
9k	Scrutiny of Annual return on mining machineries	Yes		

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 :

(G C MEENA)

Indian Bureau of Mines