

MCDR INSPECTION REPORT

General

S/No.	Particulars	Details
1.	Name of the Mine	Donimalai Iron Ore Mine
2.	Total Lease Area (Ha) with breakup of Non-forest & forest land	134 Ha Forest area
3.	Mine code	30KAR03163
4.	IBM Registration Number under rule 45 of MCDR,1988	IBM/4357/2011
5.	Name of the lessee, Address, Phone, Email and Fax number	Shree Gavisiddeswara Minerals
6.	Village	Narasapur
7.	Taluk/Mandal	Sandur
8.	District	Bellary
9.	Pincode	--
10.	State	Karnataka
11.	Post Office	Donimalai
12.	Nearest Police Station	Sandur
13.	Nearest Railway Station	Ranjitpura
14.	Date of Grant of Mining Lease	03.07.2007
15.	Date of Execution	03.07.2007
16.	Date of Opening of Mine	01.02.2008
17.	Date of first renewal, if applicable and its period & expiry	N.A.
18.	Date of second renewal, if applicable and its period & expiry	N.A.
19.	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20.	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Dinesh Kr. Singhi Unit No. 101, 1st Floor, 'Pride Elite' No. 10, Museum Road, Bengaluru – 560 001 080-41495660-3 (Phone) 080-41495664 (Fax) sgavim@gmail.com 02.01.2013
21.	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-do-
22.	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	A. Gururaj - 9902042747 Date of appointment 01.07.10
23.	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Magesh M. BE (Mining) Total 08Years, 19.04.2013
24.	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Mr. K. Santhosh Reddy MSc (Geology), 01.09.2013
25.	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan:10.04.2007 Letter No.MP/BLR/Fe-64-SZ
26.	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	24.01.2013 No. KNT/BLR/MS/Fe-201-SZ/184
27.	Mineral(s) granted in lease and proved for mining	Iron ore & Manganese
28.	Method of Mining(Open cast, Underground)	Open cast
29.	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
30.	Captive / Non Captive	Non-Captive

Scientific Mining: **Compliance of proposals of approved scheme of mining.**

Exploration

S/No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	09 RC holes (770Mtrs)	Nil	Violation is pointed out.
1b	Exploration over lease area for Geological axis 1or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	36.99 hectares	Nil	--
1e	Balance reserves as on 01.04.2015	12 Lakh Mt	200000 (2014-15)	10 Lakh Mt
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration has not been carried out as per the proposals, hence violation is pointed out.		

Development

S/No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.to. lease area	As per the section A to G & H to I	As per the section A to G & H to I	As per present SOM
2b	Separate benches in topsoil, Overburden and mineral (Rule 15)	6+2		Pocket type of deposit
2c	Stripping ratio or ore to OB ratio	1:0.50	1:0.20	Violation is pointed out.
2d	Quantity of topsoil generation	5000		Completely utilized for Stabilized the OB dump
2e	Quantity of overburden generation	1,30,000	41000	
2f	General remarks of inspecting officer on Development of pit w.r.t. type of deposit etc.	Pit development has not been carried out as per the proposals, hence violation is pointed out.		

Exploitation

S/No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for Production	02 Pit	02 pit	Pocket type of deposit
3b	Quantity of ROM mineral production proposed	2,60,000	2,00,000	Less production
3c	Recovery of saleable/useable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	1,30,000	41,000	Less development
3e	Grade of mineral reject generation and threshold value Declared	0 to 30%	Same	
3f	Quantity of sub-grade mineral Generation	50,000	50,000	

3g	Grade of sub-grade mineral generation	35 to 45%	Same	
3h	Manual/Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	(All most Self digging material)
3k	Provision of mining machineries in mineral benches	Excavator -05 No. Wheel loader- 03 Tipper-13 Mobil screening 01 Tanker-03	Excavator -03 No. Wheel loader- 03 Tipper-13 Mobil screening 01 Tanker-03	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	16.64 hectares	16.64 hectares	
3n	Ore to OB ratio for the pit/mine during the year	1:0.5	1:0.2	
3o	Total area put in use under different heads at the end of year	56.40 hectares	56.40 hectares	
3p	Production of ROM mineral during last five-year period, as applicable	2010-11 -1475712Te 2011-12- 1878912Te 2012-13-0.65 lakh Te 2013-14-2.60 lakh Te 2014-15-2.60 lakh Te	2010-11 -721396Te 2011-12- 159619Te 2012-13-Nil 2013-14-8,000 Te 2014-15-2.00 lakh Te	Less production
3q	General remarks of inspecting officer on method of mining etc.	Less production and corresponding development against the approved proposals, hence violation is pointed out.		

Solid Waste Management-Dumping

S/No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Northern side	Working as Per approved SOM	
4b	Location of topsoil, OB & mineral reject dumps	Northern side		
4c	Number of dumps within lease area and outside lease area	05	05	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N1662660-1662725, E675470-675500 N1663170-1663450, E675140-675300		Similar place as per the proposals
4e	Number of active & alive dumps	01	01	
4f	Number of dead dumps	02	02	
4g	Number of dumps stabilized	02	02	
4h	Whether Retaining wall or garland drain all along dumps are there	810x2x3, 904x2x3 972x1x1, 872x1x1	Ret. wall 330Mts. & Gar. drain 110m	Not carried out as per the proposals Violations pointed out.
4i	Length of Retaining wall or garland drain all along dump	02 masonry check dam & 37 Gulley checks	Not carried out as per the proposals	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump Management	Environment protective measures are not carried out as per the proposals, hence violation is pointed out.		

Solid Waste Management-Backfilling

S/No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting of backfilling	Nil		
5b	Area under backfilling of mined out area	Nil		
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil		
5d	Total area fully reclaimed & rehabilitated	Nil		
5e	General remarks of inspecting officer on backfilling, reclamation etc	The pit is not yet matured and there were no backfilling proposals during the year.		

Progressive Mine Closure Plan

S/No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly – Rule 23E(2). Details should be given in the format as given in Annexure-20	Yes	Yes , Submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Nil	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling(L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i)Safety zone ii)0.612Ha iii)plantation done along the lease area	i)Safety zone ii)0.612Ha iii)plantation done along the lease area	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Progressive closure operations were being carried out satisfactorily by way of doing plantation.		

Mineral Conservation

S/No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2,60,000 Te	2,00,000 Te	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	45 to 50% 50 to 55% 55 to 58%	45 to 50% 50 to 55% 55 to 58%	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee is doing positive efforts by excavating +35% Siliceous ore (BHQ) and using in their own steel plant by way of blending with high grade ores.		

Environment

S/No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Total 5000 Te was excavated during 2014-15 and has been used completely.		
8b	Concurrent use or storage of topsoil	Used for Dump stabilization		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule33)	Separated dumping was carried as per SOM of OB and Fines		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Old dump covered with different types of fruit and other plantation are planted as R&R plan		
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil		
8f	Baseline information on existence of plantation & additional plantation done Rule (41)	1.837 Ha area covered with Plantation	1.837 Ha area covered with different types of plantation Plantation work done all along the Mines haul road (5000 Plants are planted)	
8g	Survival Rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	02 Nos, Water tanker	Deployed 03 no of (8000 litres capacity) Water tanker for mining purposed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation work is being carried out satisfactorily at the proposed places of safety zone along the MI boundary.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted up to May 2015 and AR for the year 2014-15 is yet to be submitted.		
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist & Manager	Nil	Both are appointed and working	Violation was not pointed out for non-submission of annual return because it is to be submitted before 01 st July.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Annual return for the year 2014-15 has not been submitted so far.	
9d	Scrutiny of Annual return on Afforestation	Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Nil		

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No earlier violations are outstanding. Violations under rule 13(1) & 21 of MCDR-1988 are pointed out during this inspection vide letter dated 29th June 2015.

Date: 30th July 2015

Sd/-
[Pukhraj Nenival]
Dy. Controller of Mines