

MCDR INSPECTION REPORT

S/ No.	Particulars	Details
1	Name of the Mine	Venkatagiri Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	22.26 Ha (21.73 Ha as per CEC)
3	Mine Code	30KAR03168
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/175/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Lakshmi Minerals, #601, 7 th Main, Near Balanjaney Temple, MJ Nagar, Hospet – 583201 Ph : 08394 – 230644 srilakshmimineral@gmail.com
6	Village	Venkatgiri
7	Taluk/Mandal	Sandur
8	District	Bellary
9	Pincode	583201
10	State	Karnataka
11	Post office	Hospet
12	Nearest police station	Hospet
13	Nearest Railway station	Hospet
14	Date of Grant of Mining Lease	18.06.2007
15	Date of Execution	18.06.2007
16	Date of opening of Mine	16.08.2007
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA (Proprietorship)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Venkatesh Raju #601 7 th Main, Near Balanjaney Temple, MJNagar, Hospet – 583201 Ph : 08394 – 230644 srilakshmimineral@gmail.com Appointment letter is not sent.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Obula Reddy, Dip (Mining) DoAppointment : 22.03.2014.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. B. Shankar – BE (Mining), DoApp: 16.08.2007
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	MP\BLR\Fe-46-SZ dtd:16.04.2004
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	KNT\BLR\MS\Fe-215-SZ/1007 Dtd:05.07.2013
27	Mineral(s) granted in lease and proved for mining	Iron ore
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/ Non captive	Non captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.

Exploration

S/No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	360mtrs	360 mtrs	
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Rs. 18 Lakh	Rs. 19 Lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.04.2015.		Proved Mineral (111)- 383522 MT Mineral resources(333)- 215595 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	Proposed exploration has been carried out. Records of the boreholes are not maintained in form-K after completion of the exploratory drilling, thus violation is pointed out.		

Development

S/No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	NW-SE direction	NW-SE direction	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Overburden : 02 Mineral : 01	Overburden : 02 Mineral : 01	
2c	Stripping ratio or ore to OB ratio	1:3.0	1:1.3	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	131917 m3	57424 m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development work is lagging distorting the stripping ratio. Violation has been pointed out.		

Exploitation

S/No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 (Single pit)	01 (Single pit)	
3b	Quantity of ROM mineral production proposed	66,000MT	66,000MT	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	99610.00 MT	22498.00 MT	Due to lesser development.
3e	Grade of mineral reject generation and threshold value declared	+30% To -45%	+30% To- 45%	
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	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	Provided	provided	
3k	Provision of mining machineries in mineral benches	Provided	Provided	
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	2.05 Ha	1.70 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:3.0	1:1.3	
3o	Total area put in use under different heads at the end of year	4.78 Ha	2.66 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2010-11=1,50,390MT 2011-12=3,00,105MT 2012-13=Nil 2012-14=65,955MT 2014-15=65,955MT	9,800 MT 12,543MT Nil Nil 66,000 MT	
3q	General remarks of inspecting officer on method of mining etc.	Exploitation of iron ore has been made as per the proposals.		

Solid Waste Management-Dumping

S/No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Provided	Provided	
4b	Location of topsoil, OB & mineral reject dumps	OB: NE direction Mineral reject : Northern part	OB:NE direction Mineral reject :Northern part	
4c	Number of dumps within lease area and outside lease area	Within lease : 02 Outside lease : Nil	Within lease : 02 Outside lease :Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern part	Eastern part	
4e	Number of active & alive dumps	Active & alive : 02	Active & alive:02	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilized	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Both Retaining wall & garland drain Constructed	Constructed both retaining wall & garland drain	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall-520m, Garlandrain-530 mts.	Retaining wall-420m, Garland drain-415m.	
4j	Number of settling ponds	02 Nos.	01 No.	
4k	Specific comments of inspecting officer on waste dump management.	One Silt Settling tank of 20m x 10m x3m is not found constructed; hence violation has been 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 backfilling	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Not applicable in this case.		

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.	Proposed	Report has been 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	NIL	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	proposed	Carried out report & submitted	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Found satisfactorily.		

Mineral Conservation

S/No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Within lease	Within lease	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	55% -60%	55%-60%	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Working Satisfactorily.		

Environment

S/No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Pit is already opened.
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	provided	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	4900 Nos.	
8g	Survival rate	60-70%	60-70%	
8h	Water sprinkling on roads to control airborne dust	proposed	provided	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Working Satisfactorily.		

Compliance of Rule 45

S/No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to July 2015 Annual Return of 2014-15 is submitted	

S/No.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Shri B. Shanker Geologist – Not Appointed Mines Manager- Shri M Obula Reddy		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining Pit-4.09Ha. OB dump-0.63Ha. Infrastructure-2.98ha Unused -9.94Ha.	Wrong information	
9d	Scrutiny of Annual return on afforestation	5000	5000	Survival rate-70%
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	22499Mt 30% to 45% Fe		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM-19616Mt Lumps-12493.31Mt Fines-22047.11Mt		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 439/- PMT	Not correct	Pointed out
9i	Scrutiny of Annual return on fixed assets	Rs. 14 Lakh		
9k	Scrutiny of Annual return on mining machineries	In annual return of 2014-15, information i.e. reserve particulars, annual proposed production & production cost are not furnished correctly.		

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, 42, 45 & 48 of MCDR-1988 are pointed out during this inspection vide letter dated 19th August 2015.

Sd/-

[Pukhraj Nenival]
Dy. Controller of Mines

Date: 20/08/2015