

## MCDR INSPECTION REPORT

**General:**

S/ No.	Particulars	Details
1	Name of the Mine	Donimalai Iron ore Mine of
2	Total Lease Area (Ha) with breakup of Non-forest & forest land	52.82 Ha (As per CEC)
3	Mine code	30KAR03113
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/250/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Nadeem Minerals M/s 'Alfa Manor' No. 227, 1 <sup>st</sup> Floor, Greenglen Layout, Off Outer Ringroad, Bellandur, Varthur Hobli, Bengaluru – 103 Phone: 080-41105475 Fax : 080-41105775 admin@nadeemminerals.com
6	Village	Taranagar
7	Taluk/Mandal	Sandur
8	District	Ballari
9	Pin code	583119
10	State	Karnataka
11	Post office	Sandur
12	Nearest police station	Sandur
13	Nearest Railway station	Ranjithpur
14	Date of Grant of Mining Lease	19-07-2006
15	Date of Execution	19-07-2006
16	Date of opening of Mine	26-12-2006
17	Date of first Renewal, if applicable and its period & expiry	NIL
18	Date of second Renewal, if applicable and its period & expiry	NIL
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NIL
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Faisal Shareef Same as lessee, 26-12-2006
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Bharati Dasan, Dip; FCC No.12, KHB Colony, Kudligi road, Sandur. Ph.: 08395-260225, Fax: 08395-260110, email: branchoffice@nadeemminerals.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Meril Jesudas A, BE (Mining), 20/03/2014. Same address details
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist is working but notice of appointment is not sent.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	18.10.2005 - MP/BR/Fe-88-SZ 24.04.2007 - MP/BR/Fe-88-SZ
26	Date of Approval of Scheme of Mining/Modified SOM with five-year period and specific condition in approval letter, if any.	12.9.2012 KNT/BLR/MS/Fe-189-SZ 21-04-2014 No. 279/591/97/BNG For period from 2014-15 to 15-16.
27	Mineral(s) granted in lease and proved for mining	Iron Ore (Hematite)
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 modified Scheme of mining.

**Exploration**

S/No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	10 Boreholes (886 Mtr)	Nil	Violation is pointed out.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Whole mineralized area of 26 hectares is already explored.
1e	Balance reserves as on 01.04.2015	2.53 Million tonnes	2.12 Million tonnes	0.41 Million tonnes is produced in 2014-15.
1f	General remarks of inspecting officer on geology, exploration etc.	Violation has been pointed out for the not carrying out the exploration in accordance with the proposals.		

**Development**

S/No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Section II' to 55' & 10-10' to 13-13'	Section II' to 55' & 10-10' to 13-13'	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	03 benches	03 benches	
2c	Stripping ratio or ore to OB ratio	1:1.33	1:1.11	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in M <sup>3</sup>	275350 M <sup>3</sup>	227555 M <sup>3</sup>	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Due to distortion in stripping ratio, High walls benches were observed during the site inspection. Violation has been pointed out for the same.		

**Exploitation**

S/No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2 pits	2 pits	
3b	Quantity of ROM mineral production proposed	4,10,000 MT	4,10,000 MT	
3c	Recovery of salable/usable mineral from ROM production	4,00,000 MT	4,10,000 MT	
3d	Quantity of mineral reject generation	4,00,000 MT	3,93,070 MT	
3e	Grade of mineral reject generation and threshold value declared	Clay, BHJ	19% Fe, 29.78% Fe	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
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	2 Nos.	2 Nos.	
3k	Provision of mining machineries in mineral benches	3 Nos.	3Nos.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 mts.	10-12 mts.	
3m	Total area covered under excavation/pits	17.74 Ha	17.74 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:1.33	1:1.0	
3o	Total area put in use under different heads at the end of year	38.55 Hectares	38.55 Hectares	
3p	Production of ROM mineral during last five-year period, as applicable	2011-12 – Nil 2012-13 - 410000 MT 2013-14 –410000 MT 2014-15 -410000 MT	2011-12 – Nil 2012-13 - 68000 MT 2013-14 –342000 MT 2014-15 -410000 MT	
3q	General remarks of inspecting officer on method of mining etc.	Exploitation of minerals has been carried out judiciously with due care to conservation of Mineral but high walls are developed in the Northern Pit.		

**Solid Waste Management - Dumping**

S/No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	4,10,000 T	3,93,070 T	
4b	Location of topsoil, OB & mineral reject dumps	--	--	
4c	Number of dumps within lease area and outside lease area	07	07	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL towards	Outside the UPL towards	
4e	Number of active & alive dumps	One	One	
4f	Number of dead dumps	3	3	
4g	Number of dumps stabilized	3	3	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	2600 mts 1564 mts	2000 mts 1564 mts	
4j	Number of settling ponds	2 Nos.	Nil	Both are proposed in virgin & thick vegetation. Permission has not been accorded from Forest deptt.
4k	Specific comments of inspecting officer on waste dump management.			

**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	1,00,000 MT	1,00,000 MT	
5b	Area under backfilling of mined out area	3.20 Ha	1.73 Ha	
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.	Backfilling work is under progress.		

**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	Report under rule 23E(2) 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	(i) –Nil (ii) 0.95Ha (iii) 6075 Nos. (iv) 70,000 Nos. (v) – (vi) --	Nil 0.95 Ha 14000 Nos. 91500 Nos. -- --	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (LxBxD) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	300*100*50 M <sup>3</sup> Waste Nil Nil	300*50*05M <sup>3</sup> Overburden NA NA	
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)	Maintained	Maintained	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	progressive closure operations are being implemented satisfactorily.		

**Mineral Conservation**

S/No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	4,10,000	4,10,000 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Minerals conservation part is taken care very well.		

**Environment**

S/No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Most of the lease area is broken up for mining activities, dumps & stocks. There is no generation of topsoil, if so generated during the period of mining activities-used for better growth of plants.		
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	Backfilling is under progress in the exhausted pit.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	NA	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinklers are maintained to suppress air borne dust on roads and dumps.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Due care is given towards maintaining better work atmosphere. Environment data monitoring is being done regularly.		

**Compliance of Rule 45**

S/No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to May-2015 AR for the year 2014-15 is not submitted so far.	

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	Nil	Geologist is not appointed so far Annual return for the year 2014-15 has not been submitted so far.	Violation was not pointed out for non-submission of annual return because it is to be submitted before 01 <sup>st</sup> July.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil		
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) & 42 of MCDR-1988 are pointed out during this inspection vide letter dated 01<sup>st</sup> July 2015.

Date: 30<sup>th</sup> July 2015

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