

MCDR INSPECTION REPORT

S/ No.	Particulars	Details
1	Name of the Mine	Navalutti Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest & forest land	32.40Ha (excluding 2.0 Hect. of road). Complete forest area.
3	Minecode	30KAR03046
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4103/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. HR Gaviappa & Co.
6	Village	Navalutti
7	Taluk/Mandal	Sandur
8	District	Bellary
9	Pincode	583118
10	State	Karnataka
11	Post office	Donimalai
12	Nearest police station	Sandur
13	Nearest Railway station	Ranjit pura
14	Date of Grant of Mining Lease	1956
15	Date of Execution	1956
16	Date of opening of Mine	1956
17	Date of first Renewal, if applicable and its period & expiry	18-10-1976- 05 Years
18	Date of second Renewal, if applicable and its period (w.e.f.) & expiry	1) 18-10-1981- 05 Years 2) 18-10-1986- 10 Years 3) 18-10-1996- 05 Yrs 6 Months 4) 24-02-2002- 14Yrs 06 Months upto 17.10.2016.
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 HR Ranganagoud 3 rd Flore, HRG Complex, HRG Circle, Ballari 080-25586162 (Phone) 080-41328183 (Fax)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. VK Sambandam
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri KD Kulkarni Ph.No. 9482153320 Kiran.kulkarni1961@gmail.com.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Dilip Kumar. BE (Mining) 20 Years Ph. No. 9483588210
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist is not appointed.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	03.01.1991 279/150/90/BNG No specific conditions were imposed.
26	Date of Approval of Scheme of Mining / Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Dated 29.12.2001, 28.09.2004, 16.11.2006, 20.04.2010 and 03.03.2014 (from 11-12 to 15-16)
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Open Cost
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/ Non captive	Non Coptive

Scientific Mining: Compliance of proposals of approved Scheme of Mining.
Exploration

S/No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	13-14-05 BH 14-15-08 BH	Nil	Violation is pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	—	Nil	—
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee himself by outsourcing. 42 Lakhs	Nil	—
1d	Balance area to be explored to bring Geological axis in 1 or 2	—	Nil	—
1e	Balance reserves as on 01.04.2015	1.381 Milion Ton	1,03,879Te iron ore has been excavated during 2014-15.	
1f	General remarks of inspecting officer on geology, exploration etc.	Proposed exploration has not been carried out so far, hence the violation is pointed out.		

Development

S/No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E675902 E675852 N-1661260 N-16612368	E675900 E676000 N-16612500 N-16612640	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	no separate of benches of Over burden and Ore	No top soil, Ore & Over Burden Ore Vertically dipping, hence no separate of benches of Over burden and Ore	
2c	Stripping ratio or ore to OB ratio	1:1.57	1:0.20	
2d	Quantity of topsoil generation in M ³	Nil	Nil	
2e	Quantity of overburden generation in M ³	52,670M ³	7409 M ³	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation has been pointed out for change in working place and less development work carried out.		

Exploitation

S/No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Ore	Ore	
3b	Quantity of ROM mineral production proposed	1,04,916	1,03,879	Blanket ban with in limit
3c	Recovery of salable / usable mineral from ROM production	83,934	Processing is going on	Practically no sub grade generation. Whatever encountered was blended with high grade ore and sold.
3d	Quantity of mineral reject generation	20,983	Processing is going on	
3e	Grade of mineral reject generation and threshold value declared	45-49%	45-49%	
3f	Quantity of sub-grade mineral generation	14-15-20,983	Processing is going on	
3g	Grade of sub-grade mineral generation	Fines-49.15% Lumps-	Fines-49.15% Lumps- 55.29%	
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	No	No	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
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	9.8 Ha	9.8 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:157	1:0.20	
3o	Total area put in use under different heads at the end of year	Mining.9.8 ha Active Dump-11.28 Idle Dump-5.4ha Road-0.210 ha	Minig.9.8ha Active Dump-11.28 Idle Dump-5.4 ha Road-0.210	Green Belt-1.8
3p	Production of ROM mineral during last five-year period, as applicable	1,04,916	1,03,879	
3q	General remarks of inspecting officer on method of mining etc.	Violation has been pointed out for not carrying out the scheduled developmental works.		

Solid Waste Management-Dumping

S/No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	E-676000- E-676232 N-16612211 N-16612033	E-676000- E-676232 N-16612211 N-16612033	
4b	Location of topsoil, OB & mineral reject dumps	E-676000- E-676232 N-16612211 N-16612033	E-676000- E-676232 N-16612211 N-16612033	
4c	Number of dumps within lease area and outside lease area	Active dump-1 In active dump-1 EID-3	Active dump-1 In active dump-1 EID-3	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the ultimate pit limit	Outside the ultimate pit limit	
4e	Number of active & alive dumps	Ore	Ore	
4f	Number of dead dumps	03	03	
4g	Number of dumps stabilized	All	All	
4h	Whether Retaining wall or garland drain all along dumps are there	TW-3-385mtr GD-3-390mtr	TW-3-385mtr GD-3-390mtr	
4i	Length of Retaining wall or garland drain all along dump	586+135 = 721(EA) 152+385 = 537(WLA) Total-1258MT	586+135 = 721(EA) 152+385 = 537(WLA) Total-1258MT	
4j	Number of settling ponds	SST-2, SMCD-5	SST-2, SMCD-5	
4k	Specific comments of inspecting officer on waste dump management.	Worked satisfactorily.		

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	N.A	N.A	
5b	Area under backfilling of mined out area	N.A	N.A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated	N.A	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Not applicable		

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.		Submitted under rule 23(E)(2)	
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	N.A	N.A	
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	N.A	N.A	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	N.A	N.A	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Data Monitoring is to be carried out.	Complied	Data's are not maintained in bound paged regiaster.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Violation is pointed out for not maiantaining the data in bound paged regiaster.		

Mineral Conservation

S/No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanized	Mechanized	
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	N/A	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Worked satisfactorily.		

Environment

S/No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Yes	For Plantation	
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	NA	NA	
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)		Available	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	One Tanker Is Provided.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Worked satisfactorily.		

Compliance of Rule 45

S/No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to <u>April-2015</u>	Annual return 2014-15 is not 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		Geologist is not appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		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 submitted before 01 st July.
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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, 28 & 42 of MCDR-1988 are pointed out during this inspection vide letter dated 29th June 2015.

Date: 22nd July 2015

[Pukhraj Nenival]
Dy. Controller of Mines