

I/29514/2024

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/CTD/MN/113/BNG

Mine code : 40KAR07009

- (i) Name of the Inspecting : 277) GANGADHAR BHAKAT
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Kush A. Shiroadakar. Mines Manager & Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 22/03/2024
- (v) Prev.inspection date : 03/10/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : HULLIKATTE 1991
- (b) **Registration NO.** : IBM/6384/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : DAWANGERE
- Village : HULLIKATTE
- Taluka : DEVANGERE
- Post office : HULLIKATTE
- Pin Code :
- FAX No. : ---
- E-mail : bpcoc@gmail.com
- Phone : 08192-220059 (O), 98809330!
- (f) **Police Station** : ANAJI
- (g) **First opening date** : 07/05/1987
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : 703/179, "SHANKARAKRUPA"4 TH MAIN,
5 TH CROSS, ANJANEYA LAYOUT,
DAWANGERE, KARNATAKA.
3. (a) **Lease Number** : ~~KAR0370~~ ML No 2571
- (b) **Lease area** : 32.23 Ha.
- (c) **Period of lease** : ~~30~~ 50 Years up to 29/09/2035
- (d) **Date of Expiry** : 29/09/2035
4. **Mineral worked** : QUARTZITE Associated
MANGANESE ORE Main

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5. Name and Address of the

Lessee : BHARATH PARIKH & CO
 703/117,4 TH MAIN, 5 TH
 CROSS, ANJANEYA LAYOUT,
 DAWANGERE KARNATAKA
 Phone:08192-20059
 FAX :

Owner : BHARATH PARIKH & CO
 MEGHDOOT, 27TH B BLOCK,
 95,B MARINE DRIVE. GREATER
 BOMBAY MAHARASHTRA
 Phone:
 FAX :

Agent : H.R.NAGARAJA
 CHITRADURGA KARNATAKA
 Phone:
 FAX :

Geologist

Name : Rajesh S. Kore, Full Time
 Qualification : M.Sc GEOLOGY
 Appointment/ : 01/10/2018
 Termination date

Manager

Name : Mr. Kush A. Shirodkar
 Qualification : Diploma in Mining Engineer
 Appointment/ : 18/01/2020
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	28/06/1990
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	07/08/1996
	:	Mining Scheme rule 12 MCDR1988	29/06/2001
	:	Renewal under rule 24 MCR1960	31/01/2005
	:	Mining Scheme rule 12 MCDR1988	07/05/2015
	:	MP modif under 17(3) MCR 2016	01/08/2017
	:	MP review under 17(1) MCR 2016	03/02/2020

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil.	No proposal during the plan period.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2		G-1- 12.13 Ha G-2-20.10 Ha	The Lessee was advised vide letter no KNT/CTD/Mn/113/BNG dated 05/07/2022 to take necessary action to upgrade the entire potentially mineralized area under the mining lease to detailed exploration, G-1 level in accordance with Rule 12(4) of MCDR 2017(amended 3rd Nov, 2021).
1e	Balance reserve as on 01/04/20		0.494 million tonnes as on 1.04.2023 manganese ore with grade 10 % Mn(min).	The balance reserves as 01.04.2023 have not been reported correctly. Show-cause Notice issued under Rule 45(7) of MCDR 2017.

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1f	General remarks of inspecting officers on geology, exploration etc	The Lessee was advised vide letter no. KNT/CTD/Mn/113/BNG dated 05/07/2022 to take necessary action to upgrade the entire potentially mineralized area under the mining lease to detailed exploration, G-1 level in accordance with Rule 12(4) of MCDR 2017(amended 3rd Nov, 2021).
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South Side N-517-N615 E 754- E905 (D-D' to F-F')	South Side N-514 N-613 E 754- E905	--
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB & Mineral.	Separate benches maintained in OB & Mineral.	--
2c	Stripping ratio or ore to OB ratio	1:3.79 (in tons)	1:3.00 (in tons)	Ore: 9005 Tons OB 27000Tons
2d	Quantity of topsoil generation in m3	No proposal.	Nil.	Nil.
2e	Quantity of overburden generation in m3	60643 m3 proposed	13500 m3 achieved.	Violation issued.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Violation issued for less production & development achieved (i.e. only 22%) during the year 2022-23.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	One Pit (Pit no-1 proposed for production)	One Pit (Pit no-1)	Sec D-D' to F-F'
3b	Quantity of ROM mineral production proposed	40,045 tons ROM production proposed.	9005 tons ROM production achieved.	Violation issued.
3c	Recovery of sailable/usable mineral from ROM production	100% proposed	100% achieved	Nil.
3d	Quantity of mineral reject generation	No proposal.	Nil.	No mineral reject generated during the year 2022-23 as reported in AR.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil.	Nil.
3f	Quantity of sub grade mineral generation.	No proposal.	Nil.	Nil.
3g	Grade of sub grade mineral generation	No proposal.	Nil.	Nil.
3h	Manual / Mechanised method adopted for segregating from ROM	Only dry screening proposed and manual sorting and sizing.	Manual Sorting and sizing carried out.	Nil.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.	Nil.
3j	Provision of drilling and blasting in mineral benches	Drilling & Blasting proposed.	No drilling & blasting carried out.	As reported in AR 2022-23.
3k	Provision of mining machineries in mineral benches	Excavator-1.5 Cum-2 nos. Tipper-10 tons- 4 nos. Wheel loader-1.3 Cum- 1 no. Water tanker-5 KL- 1no. Drill- 1no.	Excavator- 0.9 Cum- 2 No's. Dumper-21 tons- 3 No's.	As reported by Lessee during inspection.

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3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height for OB & mineral- 8m.	8m bench height maintained.	Nil.
3m	Total area covered under excavation/pits	9.14 ha	9.14 ha	--
3n	Ore to OB ratio for the pit/mine during the year.	1:3.79 (in tons)	1:3.00 (in tons)	Ore: 9005 Tons OB 27000Tons
3o	Total area put in use under different heads at the end of year	Mining : 9.14 ha Waste dumping: 8.21Ha Mineral storage: 0.3Ha Roads:1.1 Ha	Mining : 9.14 ha Waste dumping: 8.21Ha Occupied by plant, buildings, residential, welfare buildings & roads: 2.25Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 40000 2019-20: 40000 2020-21:40000 2021-22:40000 2022-23: 40000 (in tonnes)	2018-19: 7734 2019-20: 18490 2020-21: 31645 2021-22: 42560 2022-23 9005 (in tonnes)	Violation pointed out for less production carried during the year 2022-23.
3q	General remarks of inspecting officers on method of mining etc.			Violation pointed out for less production carried during the year 2022-23.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping proposed for OB	Separate dumping carried out for OB.	Local grid as per the last approved document.
4b	Location of topsoil, OB and mineral reject dumps	OB: N-270-650 E-403-E713	Carried out as per proposal.	
4c	Number of dumps within lease area and outside of lease area	2 OB dumps within ML area (1 Active dump no-1 & 1 Inactive dump no-2)	2 OB dumps within ML Area (1 Active dump no-1 & 1 Inactive dump no-2)	Nil.

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4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed Active dump -1 outside UPL	Active dump -1 outside UPL	As per the last approved document.
4e	Number of active and alive dumps.	One active dump no-1.	One active dump no-1.	--
4f	Number of dead dumps.	One inactive dump no- 2	One inactive dump no- 2	--
4g	Number of dumps established.	No proposal.	Nil.	Nil.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes.	Yes.	--
4i	Length of Retaining wall or garland drain all along dumps	419 m Retaining wall & 445 m Garland drain proposed along the active dump no- 1	Constructed 150 m Retaining wall & 95 m Garland drain.	Violation issued.
4j	Number of settling ponds	No proposal.	Nil.	
4k	Specific comments of inspecting officer on waste dump management			The waste dumping carried out within the proposed location.

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.	No proposal.	Nil.	Mineral has not exhausted from the pit.
5b	Area under backfilling of mined out area	No proposal.	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	

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5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no backfilling proposal during the year 2022-23.

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.	Annual PMCP report submitted on 05/07/2023.	
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	
6c	afforestation done (ha).	0.83 Ha	0.83Ha	
6d	No. of saplings planted during the year	WML- 1000No's	WML- 1000No's	
6e	Cumulative no .of plants	--	Total 47150 No's	As reported by mine Management.
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year	Rs. 2 Lakh.	Rs 4.80 Lakh	As reported by mine Management.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	

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6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	1000 No's of plantation carried out within safety zone.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring of air, water, soil & noise proposed for both core & buffer zone.	Quarterly environmental monitoring of air, water, soil & noise was carried out as per the proposal.	All environment monitoring parameters are within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The PMCP proposals have been carried out as per the proposal.

 Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Only dry screening proposed and manual sorting and sizing.	Carried out as per proposal.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Only dry screening proposed and manual sorting and sizing.	Carried out as per proposal.	--
7c	Different grade of mineral sorted out at mines.	+10 % Mn proposed.	Below 25 % Mn & 25%- 35 % Mn.	--
7d	Any beneficiation process at mines	No proposal.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No specific comments.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil.	No top soil generated.
8b	Concurrent use or storage of topsoil	No proposal.	Nil.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump proposed for OB.	Separate dump maintained for overburden.	Active dump-01
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil.	-

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	Cumulative 47125 No's plantation.	Information furnished by mine Management during inspection.
8g	Survival rate	No proposal.	70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed for dust suppression.	Water sprinkling on haul roads carried out for dust suppression.	Capacity of water tankers 5000Ltr.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mine looks good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to February, 2024 A.R. Submitted up to 2022-23.	M.R. Submitted for the month of February, 2024 on 04/03/2024, A.R. Submitted for the year 2022-23 on 24/06/2023
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sri Kush Atchut Shirodakar Geologist- Sri Rajesh Satish Kore Manager- Sri Kush Atchut Shirodakar	Appear to be correct.	--

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining : 9.14 ha Waste dumping: 8.21Ha Occupied by plant, buildings, residential, welfare buildings & roads: 2.25Ha.	Appear to be correct.	-
9d	Scrutiny of Annual return on afforestation	WML- 1000No's	Appear to be correct.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	Appear to be correct.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM O/s- 3400 tons Production- 9005 Tons C/s- 5035 tons. Graded Ore production : Below 25% Mn- 5505 Tons 25% to 35% Mn- 1755 Tons	ROM opening stock and closing stock have not been reported correctly.	Violation pointed out under rule 45(7) of MCDR, 2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine Price For below 25% Mn- Rs. 1061.99/- per Ton. 25% to 35% Mn- Rs 9598.98/- per Ton Cost of production Rs 1029.34/-	Appear to be correct.	-
9h	Scrutiny of Annual return on fixed assets	Fixed asset value of Rs 597085/-	Appear to be correct.	-
9k	Scrutiny of Annual return on mining machineries	Excavator- 0.9 Cum- 2 No's. Dumper-21 tons- 3 No's.	Appear to be correct.	-

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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
MCDR17 Rule 11(1)	10/04/2024				
MCDR17 Rule 45(7)(a)	10/04/2024				

Date :**(GANGADHAR BHAKAT)**

Indian Bureau of Mines