

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/MYS/KY/4/BNG

**Mine code :** 33KAR14004

- (i) Name of the Inspecting : **277** ) **GANGADHAR BHAKAT**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri Shiva Yogi,GPA Holder, Sri Bhaktavaschalam,ME  
Official with  
Designation
- (iv) Date of Inspection : 19/10/2022
- (v) Prev.inspection date : 06/10/2021

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KARGILA**
- (b) **Registration NO.** : **IBM/14667/2012**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : MYSORE
- Village : KARGILA
- Taluka : H.D.KOTE
- Post office : HAMPAPURA
- Pin Code :
- FAX No. : geokuvalai@gmail.com,
- E-mail : akram.mohammed25@yahoo.com
- Phone : 9742267768,shivayogi.ec@gma
- (f) **Police Station** : Hampapura
- (g) **First opening date** : 05/07/1977
- (h) **Weekly day of rest** : SUN
2. **Address for** : Sri.Mohammed Akram  
**correspondance** No.228,'Neralu', 1st Floor, 8th Cross 1st Main,  
2nd Stage, Srirampura, Mysuru 570034
3. (a) **Lease Number** : KAR0728
- (b) **Lease area** : 40.47
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 03/06/1997
4. **Mineral worked** : **KYANITE** Main  
IRON ORE Associated

## 5. Name and Address of the

Lessee : MOHAMMED AKRAM  
 # 104/105, RAGHAVENDRA  
 BUILDING, N.S.ROAD, MYSORE  
 KARNATAKA  
 Phone:  
 FAX :

Owner : Shivayogi.S.S General Power Attorney  
 No.228,'Neralu', 1st FLOOR  
 8th CROS 1st Main, 2nd  
 Stage, Srirampura, Mysuru,  
 MYSORE KARNATAKA  
 Phone: 9742267768  
 FAX :

Agent : Shivayogi.S.S  
 No.228,'Neralu', First  
 Floor 8th Cross 1st Main,  
 2nd Stage, Srirampura,  
 Mysuru MYSORE KARNATAKA  
 Phone: 9742267768  
 FAX :

## Mining Engineer

Name : Bhakatavaran, Full Time  
 Qualification : B E MINING  
 Appointment/ : 01/11/2021  
 Termination date

## Geologist

Name : Dr.C.P.PRASANNA KUMAR, Part Time  
 Qualification : M.SC.(GEO)  
 Appointment/ : 01/11/2021  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	17/08/1999
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	19/12/2007
		Mining Scheme rule 12 MCDR1988	17/11/2011
		MP review under 17(1) MCR 2016	12/03/2020

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	-
1b	Exploration over lease area for geological axis 1 or 2	Proposed 04 Tranches (10mX2mX3m) for the year 2021-22.	Not carried out.	Violation issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	G1 - 9.0 Ha G3 - 3.14 Ha	
1e	Balance reserve as on 01/04/20		0.173 MT (as on 01/04/2022)	-
1f	General remarks of inspecting officers on geology, exploration etc			No exploration has been carried out against the proposal of 04 Nos of tranches (10mX2mX3m) for the year 2021-22. Violation has been pointed out under rule 11(1) of MCDR,2017.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed along the section line E E' & FF'	Working is being carried out as per the proposal.	--
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	NA	Float ore workings.
2c	Stripping ratio or ore to OB ratio	1:1.5(in tons)	1:1.5(in tons)	Ore: 4650 Tons OB: 6975 Tons(As reported by the lessee)
2d	Quantity of topsoil generation in m3	2626 Cum.	Nil.	No topsoil generated during the year 2021-22.

2e	Quantity of overburden generation in m3	17071 Cum	NIL	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			This is a float ore mine with up to 3m depth maximum. Ore is hand-picked manually and waste concurrently backfilled. No topsoil generated during the year 2021-22.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed.	One pit	
3b	Quantity of ROM mineral production proposed	26879 Tons	4650 Tons	Less production achieved.Violation issued.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal.	Nil	No mineral reject generated.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	NIL	
3f	Quantity of sub grade mineral generation.	No proposal.	NIL	
3g	Grade of sub grade mineral generation	No proposal.	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed for segregating from ROM.	As per the proposal.	'B' Category manual mine.

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	NA	
3j	Provision of drilling and blasting in mineral benches	No proposal.	NA	
3k	Provision of mining machineries in mineral benches	No proposal.	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	The height of benches in overburden and mineral suitable.	As per the proposal.
3m	Total area covered under excavation/pits	6.518 Ha.	1.313 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.5	1:1.5	OB-14777 Tons Ore-5443 Tons
3o	Total area put in use under different heads at the end of year	Working-6.518Ha Roads- 0.225Ha Mineral storage-0.157Ha	Working-1.313Ha Roads- 0.225 Ha Mineral storage-0.157Ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 19241 2018-19 - 19241 2019-20 - 19241 2020-21 - 26879 2021-22 - 26879 (In tons)	2017-18 - 135 2018-19 - Nil 2019-20 - 1645 2020-21 - 3608 2021-22 - 4650 (In tons)	

3q	General remarks of inspecting officers on method of mining etc.	Working carried out within the proposed location. Violation issued under rule 11(1) of MCDR, 2017 for 83% less production achieved during the year 2021-22.
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## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NIL	No topsoil generated.
4b	Location of topsoil, OB and mineral reject dumps	NA	NIL	No topsoil generated.
4c	Number of dumps within lease area and outside of lease area	NA	NIL	Waste is concurrently backfilled.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NIL	
4e	Number of active and alive dumps.	NA	NIL	No active dump observed in the ML area.
4f	Number of dead dumps.	NA	NIL	
4g	Number of dumps established.	NA	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NA	NIL	
4j	Number of settling ponds	NA	NIL	

4k	Specific comments of inspecting officer on waste dump management	No generation of top soil, wastematerial is being used concurrent backfilling the pit after hand-picking the ore.
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#### 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.	Concurrent backfilling is carried out after extraction of float ore.
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)	2626 Cum	Nil.	No topsoil generated.
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Concurrent backfilling is carried out after extraction of float ore.

#### 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 report on PMCP for 2021-22 was submitted on 6thNov, 2022.	Violation issued.
6b	Area available for rehabilitation (ha) .	No proposal.	NIL	

6c	afforestation done (ha).	0.10	0.15	As reported by the lessee.
6d	No. of saplings planted during the year	250Nos (WML).	400 Nos.	Safety zone & Mined out area.
6e	Cumulative no .of plants	500 Nos.	650 Nos.	During this plan period.
6f	Any other method of rehabilitation	No proposal.	NIL	
6g	Cost incurred on watch and care during the year	Rs.50,000/-	Rs.50,000/-	Information furnished by the lessee during inspection.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	Concurrent backfilling is carried out.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	Concurrent backfilling of waste into to float ore mined out pit is done as per proposals.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation 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.	NIL	



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 proposed for Air, Water & Noise at core zone & buffer zone.	Carried out records verified during inspection.	All the parameters are within the limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environmental monitoring of Ambient air quality, Ground water & Noise level for core zone & buffer zone carried out by Sneha Test House, Bangalore. All the parameters are within the permissible limit.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting & sizing.	Sorting& sizing carried out within lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual method proposed for grade-wise mineral sorting.	Manual method adopted for grade-wise mineral sorting.	
7c	Different grade of mineral sorted out at mines.	No proposal.	Grade-wise sorting 35 to 40% Al2O.	

7d	Any beneficiation process at mines	No proposal.	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual method adopted for grade-wise sorting of mineral within the lease area.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2626 Cum	Nil.	No topsoil generated.
8b	Concurrent use or storage of topsoil	To be used for temporary dumping/ afforestation purpose.	Nil.	No topsoil generated.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil.	Temporary dumping proposed for Mineral rejects.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	NIL	
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)	500Nos.	770 No's (WML)	
8g	Survival rate	No proposal.	60%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road proposed (5000 Ltr. Capacity).	Water sprinkling was carried out to control air born dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is carried out along the safety zone area. Good greenery is present in and around the mine area. Lessee need to be improve the same.

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#### 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 September, 2022  A.R submitted up to Year 2021-22		M.R. submitted on 02/10/2022 A.R submitted on 06/07/2022(SCN issued)
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	"Mines Manager: Nil. Geologist: Nil.	Violation issued.	Mining Engineer: Shri. Bhaktavatsalam present during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under Current (O/C) working: 1.313 ha. Infrastructure : 0.225 ha.	Appears to be correct.	As per AR FY 2021-22
9d	Scrutiny of Annual return on afforestation	WML: 300, OML: 100 Nos. & survival rate: 60%	Appears to be correct.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generated.	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock of ROM: Nil. Closing Stock of ROM: 2996.25 Tons. ROM Production: Tons. 4650 Tons. Grade wise production of Kyanite(Below 40% Al <sub>2</sub> O <sub>3</sub> ):- 5074.75 Tons.	Appears to be correct.	As per AR-2021-22
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Rs. 1790/- per ton production cost: Rs. 2177/- per ton	Violation issued.	As per AR 2021-22
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets: Rs. 0 /-	Violation issued.	As per AR-2021-22
9k	Scrutiny of Annual return on mining machineries	Nil.	Appears to be correct.	'B' Category Manual working.

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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)	12/01/2023		MCDR17 Rule 45(7)	12/01/2023	
MCDR17 Rule 26(2)	12/01/2023				
MCDR17 Rule 34(1)	12/01/2023				
MCDR17 Rule 35(2)	12/01/2023				
MCDR17 Rule 46(a)	12/01/2023				
MCDR17 Rule 45(7)(a)	12/01/2023				

**Date :**

**(GANGADHAR BHAKAT)**

Indian Bureau of Mines