

I/29269/2024

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/CTD/FE/45/BNG

Mine code : 30KAR07032

- (i) Name of the Inspecting : 277) GANGADHAR BHAKAT
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Ashok Jain, (Agent) Basavaraju (Mine manager)
Official with
Designation
- (iv) Date of Inspection : 24/07/2023
- (v) Prev.inspection date : 22/03/2019

PART-I : GENERAL INFORMATION

1. (a) Mine Name : K.K.KAVAL ML 2583
- (b) Registration NO. : IBM/7488/2011
- (c) Category : A Other than Fully Mech.
- (d) Type of Working :
- (e) Postal address
- State : KARNATAKA
- District : CHITRADURGA
- Village : DB & CB KERE
- Taluka : HOSADURGA
- Post office : DB KERE
- Pin Code : 577533
- FAX No. : 080-22351133 (F)
- E-mail : garudadhriimpex@gmail.com
- Phone : 080-22351122 (O),9880600700
- (f) Police Station : HOSADURGA
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : GARUDADHRI IMPLEX PVT LTD,
correspondance Flat No. B001 &002, AVG Park Square, 2nd Cross,
JP Nagar, 1st Phase, Bangalore - 560078
3. (a) Lease Number : ~~KAR1513~~ ML No 2583
- (b) Lease area : 20.64 Ha (as per CEC sketch)
- (c) Period of lease : 50 Years, up to 30/05/2058
- (d) Date of Expiry : 30/05/2058
4. Mineral worked : IRON ORE Main

I/29269/2024

5. Name and Address of the

Lessee : GARUDADHRI IMPEX PVT. LTD.
 NO.22, 7TH MAIN, BETWEEN
 7TH&8TH MAINCROSS,
 MALLESWARAM BANGALORE
 KARNATAKA
 Phone:9880600700
 FAX :

Owner : Sindhu Srinivasulu
 Flat No. B001 &002 AVG Park
 square, 2nd cross, J.P.
 Nagar, 1st Phase, Bengaluru
 BANGALORE KARNATAKA
 Phone: +91-9611123456
 FAX :

Agent : Ashok Kumar M Jain
 1st Floor, 4th Cross, M.J.
 Nagar Near Shushrutha
 Hospital, Hospet-583201,
 Vijayanagara-Dist, BELLARY
 KARNATAKA
 Phone: 9980322222
 FAX :

Mining Engineer

Name : BASAVARAJA, Full Time
 Qualification : DIP IN MINING ENGINEER
 Appointment/ : 01/07/2022
 Termination date

Geologist

Name : PRASANNA KUMAR, Full Time
 Qualification :
 Appointment/ :
 Termination date

Manager

Name : BASAVARAJ
 Qualification : FCC
 Appointment/ : 01/07/2022
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 02/02/2015
 Plan/Scheme of Mining : MP review under 17(1) MCR 2016 26/04/2019

1/29269/2024

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 19 Core Boreholes up to 681m for the year 2019-20.	9 DTH Boreholes up to 509.34m.	No mining operations carried out during the plan period, due to exigency of completion of R&R works. The exploration couldn't be done.
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	9 DTH Boreholes up to 509.34m.	Total 9 DTH Boreholes up to 509.34m Carried out during the year 2022-23.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	Exploration carried out by M/s Garudadhri Impex Pvt. Ltd. & Total expenditure of Rs 1,80,852/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2- 6.64 Ha. & Unexplored area 7.86Ha.	G2- 6.64 Ha. & Unexplored area 7.86Ha.	-
1e	Balance reserve as on 01/04/20	--	Total 1120457 Tons (as on 01.04.2023)	Average grade of HIO-53.78% FE Content & HSIO-38.22% Fe Content.
1f	General remarks of inspecting officers on geology, exploration etc			In house exploration of 9 DTH Boreholes up to 509.34m Carried out during the year 2022-23 & Total expenditure of Rs 1,80,852/-.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1511016 to N1511037 & E661358 to E661400	1) N1511330 to N1511420 & E661348 to E661410	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in overburden and mineral.	Carried out as per proposal.	

I/29269/2024

2c	Stripping ratio or ore to OB ratio	1 :0.11 (in tons)	1:9.66 (in tons)	Violation pointed out. Ore:30000Tons OB:290000Tons
2d	Quantity of topsoil generation in m3	No proposal.	NIL	
2e	Quantity of overburden generation in m3	5405 m3	170588 m3	Violation pointed out.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development work carried out more than 30 times of proposed quantity of the waste. Hence, violation pointed out under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit-1	Pit-1	
3b	Quantity of ROM mineral production proposed	30,000 Tones	30,000 Tones	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal.	Nil.	No mineral reject generation.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	THV +45% Fe	-
3f	Quantity of sub grade mineral generation.	No proposal.	NIL	-
3g	Grade of sub grade mineral generation	No proposal.	NIL	-

1/29269/2024

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed for segregation from ROM.	Mechanised method adopted for segregation from ROM.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	NIL	-
3j	Provision of drilling and blasting in mineral benches	No proposal.	NIL	-
3k	Provision of mining machineries in mineral benches	Excavator-1No, Wheel loader- 1No, Tipper- 4Nos, Crushing & Screening-1No, Water Tanker- 1No.	Excavator-1No, Wheel loader- 1No, Tipper- 4Nos, Crushing & Screening- 1No, Water Tanker-1No.	Water tanker capacity of 8000 Ltr.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, Proposed Maximum bench height up to 7m.	In between the section lines A-A' & B-B' the bench height up to 9m.	In between the section lines A-A' & B-B' are not maintained bench height up to 7m. Hence, Violation pointed out.
3m	Total area covered under excavation/pits	4.71Ha	5.08Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1 :0.11(in tons)	1:9.66 (in tons)	Ore:30000Tons OB:290000Tons
3o	Total area put in use under different heads at the end of year	Mining: 4.71Ha Dumping:1.75Ha Mineral storage: 0.33 Sub grade mineral storage:0.06 infrastructure s: 0.05 Roads:0.73	Mining: 3.98Ha Dumping: 2.12Ha Infrastructures: 0.05Ha, Others:1.50	--
3p	Production of ROM mineral during the last five year period as applicable	2018-19: Nil. 2019-20: 30000 2020-21: 30000 2021-22: 30000 2022-23: 30000 (in tonnes)	2018-19: Nil 2019-20: Nil 2020-21:Nil 2021-22:10000 2022-23:30000 (in tonnes)	The plan period from 2018-19 to 2022-23 & RMP was approved on 26/04/2019.

1/29269/2024

3q	General remarks of inspecting officers on method of mining etc.	In between the section lines A-A' & B-B' are not maintained bench height up to 7m. Hence, violation issued under rule 11(1) of MCDR 2017.
----	---	---

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 of OB proposed.	Separate dumping of OB carried out.	-
4b	Location of topsoil, OB and mineral reject dumps	N1511016 to N1511037 & E661358 to E661400	1) N1511330 to N1511420 & E661348 to E661410	Waste dumping has not been carried out earmarked proposed location. Violation issued.
4c	Number of dumps within lease area and outside of lease area	5 Waste dumps	6 Waste dumps.	1 additional waste dump carried out as per R&R proposed location.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All the dumps are proposed outside the UPL.	All the dumps are outside the UPL.	
4e	Number of active and alive dumps.	1 active dumps.	2 active dumps.	
4f	Number of dead dumps.	4 Inactive dumps	4 Inactive dumps	
4g	Number of dumps established.	No proposal.	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall & garland drain proposed all along dumps.	Retaining wall & garland drain carried out all along dumps.	Carried out as per R&R proposal.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	RW: 750m GD : 1448m	Carried out as per R&R proposal.
4j	Number of settling ponds	No proposal.	NIL	
4k	Specific comments of inspecting officer on waste dump management			Lessee has carried out waste dump management as per R&R proposal.

I/29269/2024

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	-
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	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There was no backfilling proposal during the plan period.

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).	Annual PMCP report to be submitted under rule 26(2).	Not submitted within the time.	Violation issued.
6b	Area available for rehabilitation (ha) .	No proposal.	NIL	
6c	afforestation done (ha) .	No proposal.	1.5Ha	
6d	No. of saplings planted during the year	No proposal.	500 Nos.	Plantation carried out within the safety zone.
6e	Cumulative no .of plants	No proposal.	NIL	-

I/29269/2024

6f	Any other method of rehabilitation	No proposal.	NIL	-
6g	Cost incurred on watch and care during the year	No proposal.	NIL	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	NIL	Mineral has not exhausted from the pit.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	NIL	-
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.	-	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	-	-

1/29269/2024

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	-	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone.	Ambient air quality monitoring stations were established in the core zone as well as in the buffer zone and monitoring regularly carried out.	All environmental monitoring parameters were observed to be within the permissible limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			All the PMCP activities are carried out in accordance with the Approved R&R Plan.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed within the lease area	NIL	There is no grade wise shorting done as per submitted Annual Return for the year 2022-23.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Proposed mechanical method.	NIL	
7c	Different grade of mineral sorted out at mines.	No proposal.	NIL	
7d	Any beneficiation process at mines	No proposal.	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no grade wise shorting done as per submitted Annual Return for the year 2022-23. Lessee has stacked ROM within the proposed location.

I/29269/2024

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil.	No topsoil generated during the year 2022-23
8b	Concurrent use or storage of topsoil	No proposal.	NA	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate waste dumping proposed.	Waste dumping has not been carried out earmarked proposed location.	Violation issued.
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)	No proposal.	NIL	-
8g	Survival rate	No proposal.	70%	Total 500 Nos of plantation carried out with in safety zone.
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling proposed on the haulage roads to suppress airborne dust.	Regular water sprinkling is being carried out on the haulage roads to suppress airborne dust.	Capacity of water tanker 10000 Ltr.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Waste dumping has not been carried out within the proposed location. Hence, violation issued under Rule 11(1) of MCDR, 2017.

1/29269/2024

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns: Submitted up to June -2023 Annual Returns: submitted up to 2022-23		MR submitted on 05/07/2023 & AR submitted on 07/07/2023. Show Cause Notice issued under rule 45(7) of MCDR, 2017 for late submission of AR.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer:- Shri. B. Venkata Murali, Geologist:- C P Prasanna Kumar.	Form-H has not been submitted for appointment of Geologist.	Violation issued under rule 46 of MCDR, 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 3.98Ha Dumping: 2.12Ha Infrastructure s: 0.05Ha, Others:1.50	Appear to be correct.	
9d	Scrutiny of Annual return on afforestation	Total 500Nos	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 30000 Tonnes, Graded Ore Nil.	Appear to be correct.	Only ROM excavated and stacked within the proposed location.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production Cost Rs 673.63/- per ton.	Appear to be correct.	There is no dispatch carried out during plan period.
9h	Scrutiny of Annual return on fixed assets	Fixed assets: Rs. 16293489/-	Appear to be correct.	
9k	Scrutiny of Annual return on mining machineries	Excavator-1No, Wheel loader-1No, Tipper- 4Nos, Crushing & Screening-1No, Water Tanker	Appear to be correct.	

I/29269/2024

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)	14/08/2023		MCDR17 Rule 45(7)	14/08/2023	
MCDR17 Rule 26(2)	14/08/2023				
MCDR17 Rule 33	14/08/2023				
MCDR17 Rule 46(a)	14/08/2023				
MCDR17 Rule 45(7)(a)	14/08/2023				

Date :**(GANGADHAR BHAKAT)**

Indian Bureau of Mines