

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/RCH/G-4/BNG

Mine code : 27KAR16004

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Kumar Mohan Singh, Mines Manager and others
Official with
Designation
- (iv) Date of Inspection : 12/01/2022
- (v) Prev.inspection date : 27/07/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HIRABUDDINI**
- (b) **Registration NO.** : **IBM/4362/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Underground
- (e) Postal address
- State : KARNATAKA
- District : RAICHUR
- Village : BUDDINNI
- Taluka : MANVI
- Post office : HIRA
- Pin Code : 584123
- FAX No. : 08537-275054 (F),
- E-mail : hygomin@bsnl.in & hgmlsrmh:
- Phone : 08537-275026 (O),948223803!
- (f) Police Station : Sirivara
- (g) First opening date : 01/01/1997
- (h) Weekly day of rest : SUN
2. Address for : HUTTI GOLD MINES COMPANY LTD
correspondance Village-Hira Buddinni; Post-Heera, Tq-Manvi
Dist-RAICHUR, Karnataka -584115
3. (a) Lease Number : KAR1493
- (b) Lease area : 21.98
- (c) Period of lease : 20
- (d) Date of Expiry : 28/03/2028
4. Mineral worked : GOLD Main

5. Name and Address of the

Lessee : HUTTI GOLD MINES COMPANY LTD
 At & Po- Hutti Tq-Lingsugur
 584 115 RAICHUR KARNATAKA
 Phone:08537-275025
 FAX :08537-275054

Owner : HUTTI GOLD MINES COMPANY LTD
 Shri A.K.Monnappa, IAS, MD
 3rd Floor, KHB Shopping
 Complex, National Games
 Village, Koramangala
 BANGALORE KARNATAKA
 Phone: 080-25710501, 2
 FAX :

Agent : PRAKASH
 M/s HGML, At & Po- HUTTI
 Tq-Lingsugur RAICHUR
 KARNATAKA
 Phone: 08537-275034
 FAX : 08537-275054

Geologist

Name : PRABHU M, Full Time
 Qualification : M.Sc. Applied Geology
 Appointment/ : 05/05/2010
 Termination date

Manager

Name : APSAR MIYA
 Qualification : Dipl. in Mining and first class
 Appointment/ : 01/05/2012
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22/02/2013
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23/06/2016
		MP review under 17(1) MCR 2016	31/12/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5boreholes with 1375m meterage And 200cu.m trenches proposed for the year 2019-20.	NIL	Proposed exploration not carried out due to local villagers problem. The detailed exploration programme included in the next plan period (2021-22 to 2025-26)
1b	Exploration over lease area for geological axis 1 or 2	5 surface diamond drilling boreholes with 1210m meterage proposed for the year 2020-21. For the year 2021-22, one borehole with 300m depth and one trench (20mx2mx2m)	No exploration has been carried out.	The violation has been issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G1-3.468ha G2- 9.930ha G3-0.260ha G4-8.520ha	-
1e	Balance reserve as on 01/04/20	-	-	Reserves 564319 tonnes (111) as on 1.4.2021.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed exploration work has not been carried out for the year 2020-21 and 2021-22. The violation has been issued.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	the proposed development of 473 m (383 m on lode & 90 m off lode development) in sub level between 3rd & 4th Level and 7th Level for the year 2020-21	The development of only 216m has been carried out for the year 2020-21.	The violation issued for the less development
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not applicable	Nil	-
2c	Stripping ratio or ore to OB ratio	1 : 0.038 (in tones)	1: 0.083 (in tones)	Ore :25681t Waste :2157t
2d	Quantity of topsoil generation in m3	Not applicable	Nil	-
2e	Quantity of overburden generation in m3	2309t	2157t	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The violation has been pointed out for the less development and production.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Stope S7,S8,S9 &S10 Stope S7,S8,S9 &S10	Stope S6	-
3b	Quantity of ROM mineral production proposed	60,000 tonnes	25681tonnes	Violation issued for less production for the year 2020-21.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-

3d	Quantity of mineral reject generation	No proposal	Nil	-
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	No proposal	nil	-
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	Drilling and blasting proposed	Drilling and blasting carried out.	Development Fac1: Jack Hammar drill, Burn cut drilling pattern Stope :Ring Drilling pattern
3k	Provision of mining machineries in mineral benches	Jack hammar-10 Simba JrBBC 120Drifter -1 Wagon Drill- 1 WDS-600 -1 Track Mounted Emico-Elecon21 RS Rocker Shovel - 1 Tyre Mounted Emico- Elecon824 Loader -1 Tippers -02	PUMPS (ELEC.) -10 AIR COMPRESSOR -3 TIPPER -2 GENERATOR (DIESEL) -1 LOCOMOTIVE -2 VENTILATION FAN -2	-

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable	Not applicable	Underground mine.
3m	Total area covered under excavation/pits	0.50 ha at the end of the plan period	0.50 ha	The mine is working through underground working only.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.038 (in tonnes)	1: 0.083 (in tonnes)	Ore :25681t Waste :2156t
3o	Total area put in use under different heads at the end of year	Area under Mining -0.50ha Infrastructure &Roads-3.26ha Afforested area -15.07 Pipe line - 0.10ha at the end of the plan period.	Area under Mining -0.50ha Infrastructure &Roads-3.26ha Afforested area - 15.07ha. PMCP -0.36ha	-
3p	Production of ROM mineral during the last five year period as applicable	2016-17 :57403 2017-18 : 60000 2018-19 : 60000 2019-20 : 60000 2020-21: 60000 (in tonnes)	2016-17 :31737 2017-18: 35709 2018-19 :8133 2019-20 :11087 2020-21: 25681 (in tonnes)	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	The violation has been pointed out for less production. There is no change in method of mining.

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 Overburden is proposed.	Separate dumping of Overburden is maintained	The waste generated in the mines is utilized for construction of civil works

4b	Location of topsoil, OB and mineral reject dumps	The area proposed for dumping in eastern side within the mining lease.	The dumping of waste is being carried out in the proposed area.	The waste generated in the mines is utilized for construction of civil works
4c	Number of dumps within lease area and outside of lease area	One dump proposed within the mining lease	One dump within the mining lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	Underground workings
4e	Number of active and alive dumps.	One active dump proposed	One active dump	-
4f	Number of dead dumps.	No proposal	nil	-
4g	Number of dumps established.	No proposal	nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain all along the proposed dump	Presently there is no waste dump.Hence construction of retaining wall and garland drain not carried out.	The waste generated is being utilized for civil works.
4i	Length of Retaining wall or garland drain all along dumps	Not specified	nil	-
4j	Number of settling ponds	No proposals	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	There is no waste available in the proposed dump area and the waste generated is used directly for civil construction purpose.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	nil	-
5b	Area under backfilling of mined out area	No proposals	nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	nil	-
5d	Total area fully reclaimed and rehabilitated	No proposals	nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	The mine is currently working with sub level open stopping method without filling as per Geotechnical recommendation from NIRM.

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).	To be submitted under rule 26(2) of MCDR, 2017 before 1st July of every year	The same has been submitted on 14.07.2021	-
6b	Area available for rehabilitation (ha) .	0.36ha within the Lease and 2.0ha outside the ML	0.36ha	-
6c	afforestation done (ha).	2.36	0.36	-
6d	No. of saplings planted during the year	1100	900	Northeastern side of ML
6e	Cumulative no .of plants	17210	14790	As reported by the lessee.

6f	Any other method of rehabilitation	No	proposals	nil	-
6g	Cost incurred on watch and care during the year	No	proposals	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No	proposals	nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No	proposals	nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No	proposals	nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No	proposals	nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No	proposals	nil	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No	proposals	nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No	proposals	nil	-

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals	nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed for Air, Water, Noise, Soil, Dust.	Environmental monitoring carried out as on 31.3.2021	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	There are no specific remarks on compliance of PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	nil	ROM generated is stacked at the earmarked location inside the lease area and shifted to the captive processing plant at Hutti.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	nil	-
7c	Different grade of mineral sorted out at mines.	No proposals	nil	-
7d	Any beneficiation process at mines .	No proposals	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	ROM generated is stacked at the earmarked location inside the lease area and shifted to the captive processing plant at Hutti.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals	nil	-
8b	Concurrent use or storage of topsoil	No proposals	nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping proposed for waste.	The waste generated is directly used for Civil construction.	No reject and fines generation
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	17210saplings(inside ML)	14790saplings(Both inside and outside ML)	-
8g	Survival rate	65%	65%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads proposed.	Water sprinkling on roads carried out as proposed.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around mines area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR submitted upto December,2021 and AR for the year 2020-21.	Appears to be correct.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	G. Ramesha, Geologist, Jhonson, Mining Engineer Mohan Kumar Singh, Manager	Appears to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area exploited and abandoned by opencast mining -0.5ha R&R - 15.07ha Infrastructure & Roads-3.26ha PMCP - 0.36ha	Appears to be correct	-
9d	Scrutiny of Annual return on afforestation	900sapling planted	Appears to be correct.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	o/s -0 tonnes Production - 25681tonnes c/s - 0 tonnes	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production - Rs7561.25/- Ex-mine price- Rs7561.25/-	Cost of production - Rs7561.25/-	-
9h	Scrutiny of Annual return on fixed assets	The value of fixed assests has been reported as Rs 14269391/-	The value of fixed assests has not been reported properly.	Violation issued

9k Scrutiny of PUMPS (ELEC.) Appears to be correct. -
Annual return on -10
mining AIR COMPRESSOR
machineries -3
 TIPPER -2
 GENERATOR
 (DIESEL) -1
 LOCOMOTIVE -2
 VENTILATION
 FAN -2

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)	07/02/2022		MCDR17 Rule 11(1)	07/02/2022	
MCDR17 Rule 33	07/02/2022	18/05/2022	Rule 45(7)	07/02/2022	11/03/2022
Rule 45(7)	07/02/2022	11/03/2022			

Date :

(K.SRINIVAS)

Indian Bureau of Mines