# INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

#### MCDR inspection REPORT

#### Bangalore regional office

Mine file No: KNT/RCH/AU/2/BNG Mine code: 27KAR16002

(i) Name of the Inspecting : S19 ) SANDEEP KUMAR SINGH

Officer and ID No.

(ii) Designation : Assistant Controller Mine

(iii) Accompaning mine : P. Nagaraj, Mines Manager, Ganesh, Geologist and othe

Official with Designation

(iv) Date of Inspection : 10/01/2022
(v) Prev.inspection date : 04/09/2014

PART-I : GENERAL INFORMATION

l. (a) Mine Name : UTI

(b) Registration NO. : IBM/4362/2011

(c) Category : A Fully Mechanised

(d) Type of Working : Underground

(e) Postal address

State : KARNATAKA
District : RAICHUR
Village : UTI

Taluka : DEODURGA

Post office : SUNNADAKALLU(JALAHALLI)

Pin Code : 584116

FAX No. : 08537-275054 (F),

E-mail : hygomin@bsnl.in ; hgmlsrmh:
Phone : 08537-275026 (0),948223803!

(f) Police Station : JALAHALLI
(g) First opening date : 11/06/1991

(h) Weekly day of rest : SUN

2. Address for : Uti Gold Mine Of M/s HUTTI GOLD MINES COMPANY LT

correspondance Tq- Deodurga, Dist-Raichur

KARNATAKA - 584115

3. (a) Lease Number : KAR0125 (b) Lease area : 47.96

(c) Period of lease : 20

(d) Date of Expiry : 12/06/2011

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 : PRABHULING KAVALIKATTI, IAS

3 rd FLOOR KHB SHOPPING COMPLEX NATIONAL GAMES VILLAGE, KORAMANGALA ,BANGALORE BANGALORE

KARNATAKA

Phone: 05837275022

FAX :

Agent : HANUMANTHAPPA.H

HUTTI, LINGASUGUR TQ RAICHUR DISTRICT RAICHUR

KARNATAKA

Phone: 08537-275044/276250,9916002563

FAX : 08537-275050

Mining Engineer

Name : Gunti shiva, Full Time Qualification : BE IN MINING ENGINEER

Appointment/ : 06/04/2015

Termination date

Geologist

Name : GANESH, Full Time

Qualification : MSC GEOLOGY Appointment/ : 25/05/2018

Termination date

Manager

Name : NAGARAJ

Qualification : Dip. in Mining & First MM

Appointment/ : 01/06/2021

Termination date

6. Date of approval of Mining Plan/Scheme of Mining

: Fresh under rule 22 MCR1960 07/05/1990 Fresh under rule 22 MCR1960 27/05/1996 Modif.of approved Mining Plan 21/02/1997 06/03/2003 Mining Scheme rule 12 MCDR1988 Mining Scheme rule 12 MCDR1988 01/11/2006 Renewal under rule 24 MCR1960 05/09/2012 Mining Scheme rule 12 MCDR1988 16/06/2016 MP review under 17(1) MCR 2016 15/02/2017 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	No proposal.	Nil.	Nil.
1b	Exploration over lease area for geological axis 1 or 2	6 underground boreholes amounting to 360 m proposed for the year 2020-21.	No exploration carried out.	No exploration has been carried out against the proposed underground drilling of 6 boreholes with meterage of 360m for the year 2020-21. For the year 2021-22 also 3 surface boreholes with 640 m drilling are proposed against which till date no drilling has commenced. Violation issued under Rule 11(1) of MCDR 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned.	No Exploration carried out for the year 2020-21.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1:7.03Ha G2:1.55Ha G3:8.63Ha Non mineralized area :30.75Ha	G1:7.03Ha G2:1.55Ha G3:8.63Ha Non mineralized area :30.75Ha	No exploration work carried out for the year 2020-21.
le	Balance reserve as on 01/04/20	0.5 million tonnes with grade 2.20 g/t.	15,96,035 million tonnes as reported in AR 2020-21.	The details of Mineral Reserves and Resources estimated at the end of the year under different UNFC codes are not reported correctly under Sec-3 as per the last approved document. Violation issued under Rule 45(7) of MCDR 2017 & MCDR (amendment), 2021.

1f General remarks of inspecting officers on geology, exploration etc

i) It was observed during site inspection that no exploration has been carried out against Resources the proposed underground estimated at the drilling of 6 boreholes with meterage of 360m for the year 2020-21. For the year 2021-22 also 3 surface boreholes under Sec-3 as per with 640 m drilling are proposed against which till date no drilling has commenced. Violation under Rule 45(7) issued under Rule 11(1) of MCDR 2017.

ii) Part-V: The details of Mineral Reserves and end of the year under different UNFC codes are not reported correctly the last approved document. Violation issued of MCDR 2017 & MCDR (amendment), 2021.

iii) The surface geological plans and sections have not been submitted as per the provision of rule. Violation issued under Rule 33 of MCDR 2017 & MCDR (Amendment), 2021.

#### Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	development of	No on-lode and off-lode development carried out for the year 2020-21.	It was observed that against the total proposed development of 936 m (598 m on lode & 338 m off lode development) no development has been carried out for the year 2020-21. Violation issued under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		Not applicable.	Underground Mine.

2c	Stripping ratio or ore to OB ratio	1:0.29 proposed	1:0	ROM- 29,789 tonnes Waste- 0 tonnes (As per the monthly reports submitted and as reported by Lessee during inspection). Violation issued.
2d	Quantity of topsoil generation in m3	Not applicable.	Not applicable.	Underground Mine.
2e	Quantity of overburden generation in m3	17669 tons~5889 Cum	Nil	It was observed that ''Nil'' quantity of waste generated against the proposed waste generation of 17,669 tonnes for the year 2020-21. Violation issued under Rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			i) It was observed that against the total proposed development of 936 m (598 m on lode & 338 m off lode development) no development has been carried out for the year 2020-21. Violation issued under Rule 11(1) of MCDR 2017. ii) It was observed that ''Nil'' quantity of waste generated against the proposed waste generation of 17,669 tonnes for the year 2020-21. Violation issued under Rule 11(1) of MCDR 2017.

Exploitation:

Sl.No. Item Propasals Actual work Remarks

3a	Number of pit proposed for production	Two stopes proposed. B-Block (Lode no 4), G-Block-(Lode no 4) No.3 (Block-G).	Lode No.3 (Block-G)	Lode no 3 & 4.
3b	Quantity of ROM mineral production proposed		29789 tonnes of actual ROM production achieved.	Violation issued under Rule 11(1) of MCDR 2017 for less ROM production.
3c	Recovery of sailable/usable mineral from ROM production	100 % Proposed.	100 % achieved.	Nil.
3d	Quantity of mineral reject generation	No proposal.	Nil.	Nil.
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	No proposal for segregation of ROM.	Nil.	ROM generated is stacked at the earmarked location inside the lease area and shifted to the captive processing plant at Hutti.
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 and Blasting proposed for development work And stope production	Drilling and blasting carried out for drives cross cuts raises, winzes.	Development face— Jack hammer drill, Burn cut drilling pattern, Explosive— Slurry/Emulsion explosive (25 mm dia.), Sublevel stope— Simba drill-BVB-25(115 mm dia.), Explosive— Slurry/Emulsion explosive (83 mm dia.).
3k	Provision of mining machineries in mineral benches	Provision of mining machineries are made for development and stoping.	Mining machineries like drill LHd's locomotives, Skips, Etc of various capacities are used.	i)Hopper Loader (Rosava)-3 nos. ii)Drill m/c-Simba dill(115 mm) for stoping & Jack hammer drill for development.
31	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	5.57 ha previous open pit area.	5.57 ha open pit area.	No working in the open pit. The mine is operating through underground working only.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.29 proposed	1:0	ROM- 29,789 tonnes Waste- 0 tonnes (As per the monthly reports submitted and as reported by Lessee during inspection). Violation issued.

Total area put in use under different heads at the end of year

i) Area under Mining- 5.57 ii) Waste iii)Infrastruc ha iii)Mineral iv)Green belt-

2.17 ha

i)Area exploited & abandoned by O/c Mining-5.57 ha ii) Covered under dump- 1.65 ha Current(O/c) working- 0 ture- 1.82 ha. iii) Waste disposal- 0 ha iv)Occupied by Plants, storage- 1.76 buildings, residential,

welfare& roads-5.23 ha

The land use (area in ha) as given in Part-I (12) under 12(iv) i.e., used for waste disposal & 12(v) i.e., Occupied by plant, buildings, residential, welfare buildings & roads have not been reported correctly in accordance with approved land use pattern. Violation issued under Rule 45(7) of MCDR 2017 & MCDR (amendment), 2021.

3р Production of ROM mineral during the last as applicable

2016-17:60000 2016-17: 7030 2017-18:60000 2017-18: 0 2018-19: 60000 2018-19: 15,360 five year period 2019-20:60000 2019-20: 39766 2020-21:60000 2020-21: 29789 (In tonnes) (In tonnes)

Nil.

3q General remarks of inspecting officers on method of mining etc.

i) The ROM production has not been reported correctly in AR 2020-21. However as reported in the monthly returns for the year 2020-21, total quantity arrives to ''29789'' tonnes from Underground working against the proposed production of 60,000 tons. Violation issued under Rule 11(1) of MCDR 2017.

ii)Part-I: The land use (area in ha) as given in Part-I (12) under 12(iv) of AR 2020-21 i.e., used for waste disposal & 12(v) i.e., Occupied by plant, buildings, residential, welfare buildings & roads have not been reported correctly in accordance with approved land use pattern. Violation issued under Rule 45(7) of MCDR 2017 & MCDR (amendment), 2021. ii) Part-IV: The Total production during the year (in tonnes) in Part-IV (2) have not been reported correctly. Violation issued under Rule 45(7).

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 waste generated. (2 waste dump proposed)	Two waste dumps within lease area.	No waste generated for the year 2020-21.
4b	Location of topsoil, OB and mineral reject dumps	2 waste dumps E-3050 to 3200 N-3750 to 3950, E- 3250 to 3300 N-4350 to 4400	2 waste dumps maintained within the lease as per the proposal for the year 2020-21.	Nil.
4c	Number of dumps within lease area and outside of lease area		3 dumps, 2 waste dumps within Lease and 1 old waste dump outside Lease.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable.	Not applicable.	Nil.
4e	Number of active and alive dumps.		2 waste dumps active within the lease area	Nil.
4f	Number of dead dumps.	1 dead dump waste outside lease area.	1 dead dump waste outside lease area.	Nil.
4g	Number of dumps established.	No proposal.	Nil.	Nil.
4h	Whether Retaining wall or garland drain all along dumps are there.	& Garland	Retaining wall and Garland drain not carried out as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
4i	Length of Retaining wall or garland drain all along dumps	The Retaining wall of 738 metres and Garland drain of 745 metres proposed by along the waste dump.	It was observed that the retaining wall and garland drain construction along proposed waste dumps, have not been carried out as per the proposal. Violation issued.	Violation issued.
4j	Number of settling ponds	No Proposal.	Nil.	Nil.

4k Specific comments of inspecting officer on waste dump management

i) It was observed that the retaining wall and garland drain construction along proposed waste dumps, D-1 & D-2 have not been carried out as per the proposal. Violation issued under Rule 11(1) of MCDR 2017.

## 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.	Nil.
5b	Area under backfilling of mined out area	No proposal.	Nil.	Nil.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	Nil.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mine is currently working with sublevel open stoping without filling as per the Geo technical recommendation/report from NIRM.

Sl.No.	Item	Propasals	Actual work	Remarks

ба	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted before 1st of July every year.	Annual PMCP report for the year 2020-21 submitted on 14.07.2021.	Nil.
6b	Area available for rehabilitation (ha) .	1.522 ha within lease	0.38Ha within lease	Nil.
6с	afforestation done (ha).	1.522Ha proposed	0.38Ha afforestation carried out.	As reported in Annual PMCP report 2020-21.
6d	No. of saplings planted during the year	1200 nos. of saplings proposed.	950 numbers of saplings were planted.	As reported in AR 2020-21
бе	Cumulative no .of plants	Not mentioned.	16200 nos. of plants.	As reported in Annual PMCP report 2020-21.
6f	Any other method of rehabilitation	No Proposal.	Nil.	Nil.
6g	Cost incurred on watch and care during the year	No Proposal.	Nil.	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal.	Nil.	Nil.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal.	Nil.	Nil.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No Proposal.	Nil.	Nil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal.	Nil.	Nil.

61	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal.	Nil.	Nil.
бm	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal.	Nil.	Nil.
бп	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal.	Nil.	Nil.
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal.	Nil.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed.	Environmental monitoring carried out as per proposal. Environmental monitoring report of Mar-21 available during inspection. All Parameters within Limit.	Environmental monitoring parameters are within limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The PMCP proposals have been implemented in the mine as per the proposal.

## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal.	Nil.	Nil.
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	No Proposal.	Nil.	Nil.

7c	Different grade of mineral sorted out at mines.	No Proposal.	Nil.	Nil.
7d	Any beneficiation process at mines .	No Proposal.	Not Applicable.	ROM generated is stacked at the earmarked location inside the lease area and shifted to the captive processing plant at Hutti.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			i)ROM generated is stacked at the earmarked location inside the lease area and shifted to the captive processing plant at Hutti. ii) Part-V: The Tailings tonnage have not been reported correctly in Sec-7(ii). The Metals recovered quantity to be depleted in the Tailings quantity. Violation issued under Rule 45(7) of MCDR 2017 & MCDR (amendment), 2021.

### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal.	Nil.	Underground Mine.
8b	Concurrent use or storage of topsoil	No Proposal.	Nil.	Underground Mine.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping proposed for waste.	Separate dump for waste maintained.	No Reject and fines generation.

Remarks

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	Nil.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal.	Nil.	Nil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not mentioned.	16200 nos. of cumulative plants.	As reported in Annual PMCP report 2020-21.
8g	Survival rate	Not mentioned.	50% achieved.	As per submitted AR 2020-21.
8h	Water sprinkling on roads to control airborne dust	sprinkling	Water sprinkling carried out as per the proposal with water sprinkler.	One no of water sprinkler utilized for water sprinkling at surface.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mines looks good.
Compliance of Rule 45:				

Propasals Actual work

Sl.No.

Item

9a Status of M.R. Submitted M.R. Submitted up to As per provision submission of up to Dec-2021 Dec-2021 on 10.01.2022 of Rule 45(5)(b) \*\*\*\* '' a monthly Monthly and on 10.01.2022 Annual returns A.R. Submitted up to return shall be A.R. Submitted 2020-21 on 31.08.2021. submitted before up to 2020-21 the tenth day of on 31.08.2021. every month in respect of the preceding month in electronic form''. The monthly Returns for the month of Oct-2021 has been submitted on 11th November 2021 which is after the due date. Violation issued under Rule 45(7) of MCDR 2017 & MCDR(Amendment), 2021. 9b Scrutiny of Mine manager: Appears to be correct. Mine Manger Annual return superannuated in for information Apsarmiyya, the year 2021-22 on Mining and Sri Nagraj Engineer, continuing as Mining Geologist and Engineer: Manager w.e.f. G. Shiva 1/06/2021. Manager Krishana, Geologist: Sri R.B Ganesh, 9c Scrutiny of i)Area Part-I: The land use Violation issued Annual return on exploited & (area in ha) as given in under Rule 45(7) land use pattern abandoned by Part-I (12) under 12(iv) od MCDR 2017 & for area under 0/c Miningi.e., used for waste MCDR (Amendment), pits, reclaimed 5.57 ha disposal & 12(v) i.e., 2021. area, dumps etc. ii) Covered Occupied by plant, under buildings, residential, Current(0/c) welfare buildings & working- 0 ha roads have not been iii)Waste reported correctly in disposal- 0 ha accordance with approved iv)Occupied by land use pattern. Plants, buildings, residential, welfare& roads-5.23 ha. 9d Scrutiny of 950 nos. of Nil. Appears to be correct. Annual return on saplings with

afforestation

50 % survival

rate .

9e Scrutiny of Nil. Appears to be correct. Nil. Annual return on mineral reject generation (Grade and quantity) 9f Scrutiny of ROM Part-VI- a) The ROM The tailings Annual return on Opening ROM quantity under Part-VI quantity under ROM stock and/or Stock- 0 (1) have not been Part-VI (3) have graded ore tonnes. reported correctly. not been reported ROM ''26177'' tonnes correctly. Violatio Productionreported under n issued under 54155 tonnes production from O/c Rule 45(7) of MCDR Closing stock- working is surface ore 2017 & 0 tonnes. stock handling and is MCDR (Amendment), not to be reported under 2021. ROM Production. The opening stock quantity and the closing stock quantity to be also mentioned depleting the dispatched quantity. b) The total ROM production quantity from stoping (Underground working) is not matching with the total monthly returns' quantity. 9g Scrutiny of Part-VII: a) There is Violation issued Cost of Annual return on production no exploration carried under Rule 45(7) Rs.9532.77/out for the year 2020of MCDR 2017 & sale value, Ex. Mine price and ton. 21, however the MCDR (Amendment), production cost Ex-Mine price exploration cost is 2021. per kg is reported as INR. ''4003.85''. Rs.9532.77/-Including Land b) Since there is error Machinery & in ROM production capitalized quantity, accordingly expenditure. the cost per tonne to be recalculated and overall cost of production to be corrected. c) The ''Production proposal for financial year 2020-21'' is to be corrected as ''60,000'' tonnes as per the approved document and the ''Production reported'' is also to be

corrected.

9h	Scrutiny of Annual return on fixed assets		Appears to be correct.	Nil.
9k	Scrutiny of Annual return on mining machineries	Air Compressor-1 no. Pumps-3 nos. Ventilation fan-2nos. Water tanker- 12KL-1 no	Appears to be correct.	Nil.

# Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed				Show couse position		
Rule 1	NO.	Issued on	Compliance on	Rule NO.	Issued on Compliance on	
MCDR17	Rule 11(1)	03/02/2022		MCDR17 Rule	45(7)03/02/2022 04/03/2022	
MCDR17	Rule 33	03/02/2022				
MCDR17	Rule 45(7)(a	3/02/2022	04/03/2022			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines