

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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) Accompanying mine : Shri.P. Nagaraj, Mine Manager, Shri.R.B.Ganesh, Geolog
Official with
Designation
- (iv) Date of Inspection : 28/09/2022
- (v) Prev.inspection date : 10/01/2022

PART-I : GENERAL INFORMATION

1. (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 (O),948223803!**
- (f) **Police Station** : **JALAHALLI**
- (g) **First opening date** : **11/06/1991**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Uti Gold Mine Of M/s HUTTI GOLD MINES COMPANY LT**
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 : P Suresh
 M/s The Hutti Gold Mines
 Co.ltd Hutti, PO:584115
 Raichur DistrictKarnataka
 RAICHUR KARNATAKA
 Phone: 9900470404
 FAX :

Mining Engineer
 Name : GUNTI SHIVAKRISHNA,Full Time
 Qualification : B.E. Mining Engineer & holder of Second
 Appointment/ : 06/04/2015
 Termination date

Geologist
 Name : GANESHA .R.B,Full Time
 Qualification : M.Sc 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	:	Fresh under rule 22 MCR1960	07/05/1990
Plan/Scheme of Mining		Fresh under rule 22 MCR1960	27/05/1996
		Modif.of approved Mining Plan	21/02/1997
		Mining Scheme rule 12 MCDR1988	06/03/2003
		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	31/12/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	3 surface boreholes proposed amounting to 640 m for the year 2021-22	It was observed that no exploration has been carried out in the year 2021-22 as reported in AR 2021-22, against the proposed surface core exploratory drilling of 3 boreholes with 640 meterage	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 during year 2021-22	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 carried out during year 2021-22. Violation issued under Rule 11(1) of MCDR 2017.
1e	Balance reserve as on 01/04/20	0.5 million tonnes with grade 2.20 g/t as on 1.04.2020.	4,40,594 tonnes as on 1.04.2022	The details of Mineral Reserve under UNFC code 111 are not reported correctly under Part-V- Sec-3 A (1) of AR 2021-22 as per the last approved document. Violation issued under Rule 45(7) of MCDR 2017.
1f	General remarks of inspecting officers on geology, exploration etc		i) It was observed that no exploration has been carried out in the year 2021-22 as reported in AR 2021-22, against the proposed surface core exploratory drilling of 3 boreholes with 640 meterage. Violation issued under Rule 11(1) of MCDR 2017.	ii) The details of Mineral Reserve under UNFC code 111 are not reported correctly under Part-V- Sec-3 A (1) of AR 2021-22 as per the last approved document. Violation issued under Rule 45(7) of MCDR 2017.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	On Lode (mtrs.): 747 m Off Lode (mtrs): 300 m	It was observed that against the proposed off-lode development of 300 m only 130 m off-lode development has been carried out for the year 2021-22.	Violation issued under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not applicable	Not applicable	Underground Mine
2c	Stripping ratio or ore to OB ratio	1:0.12	1:0.10	ROM- 29,617 tonnes Waste- 2975 tonnes (As reported in AR 2021-22).
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable	Underground Mine
2e	Quantity of overburden generation in m3	2700 Cum~ 8100 tons	992Cum~ 2975 tons	The corresponding waste handling is also only 2974 tons against the proposed waste handling quantity of 8100 tons for the year 2021-22. 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 proposed off-lode development of 300 m only 130 m off-lode development has been carried out for the year 2021-22. The corresponding waste handling is also only 2974 tons against the proposed waste handling quantity of 8100 tons for the year 2021-22. Violation issued under Rule 11(1) of MCDR 2017.	The details under Part-V, Sec 4.3 Underground, AR 2021-22 for Driving(metres) in ore(a), Cross cutting/Footwall drives (in barren) (b), Raising(c) etc. have not been provided correctly as reported during site inspection. Violation issued under Rule 45(7) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One stope, G-Block proposed	Actual work carried in one stope-G block.	Lode no 3.

3b	Quantity of ROM mineral production proposed	64,026 tons proposed	29,617 tons achieved.	The ROM production for the year 2021-22 is only '29617' tonnes against the proposed production of 64,026 tons which is 53 % less than the approved proposal. Violation issued under Rule 11(1) of MCDR 2017.
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	Stope Drilling - Ring Pattern Horizontal development - Burn Cut Pattern proposed	Drilling and blasting carried out for drives cross cuts raises, winzes and stopes.	Explosive - Slurry explosives (25mm and 40mm dia.) Detonators - Electric delay detonators.

3k	Provision of mining machineries in mineral benches	Provision of mining machineries are made for development and stoping.	i)Hopper loader- 3Cum-3 nos. ii)Drill m/c-1 no-BBC- for stope drilling. iii)Jack Hammer drill- 2 nos.-For development drilling. iv)Water tanker-6000 litres-1 no.	The complete surface and underground machineries details have not been provided in Part-V-Sec-5 of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable	Not applicable	Underground Mines
3m	Total area covered under excavation/pits	5.57 ha previous open pit working area	5.57 ha previous open pit working area	No current working carried in the open pit. The mine is operating through underground working only.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	1:0.10	ROM- 29,617 tonnes, Waste- 2975 tonnes (As reported in AR 2021-22).The Total production during the year (in tonnes) in Part-IV (2) and Overburden removed (in tonnes) in Part-IV (3) of AR 2021-22 have not been reported correctly. Violation issued under Rule 45(7) of MCDR 2017.

3o	Total area put in use under different heads at the end of year	Area under mining-5.57 Ha OB/Dump-1.65Ha. Infrastructure & roads- 1.82 Ha.	Area under mining-5.57 Ha OB/Dump-1.65Ha. Infrastructure & roads- 1.82 Ha.	The land use (area in ha) as given in Part-I (12) under 12(iii) of AR 2021-22 i.e., Reclaimed/Rehabilitated & 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.
3p	Production of ROM mineral during the last five year period as applicable	2017-18:60000 2018-19: 60000 2019-20: 60000 2020-21:60000 2021-22: 64026 (In tonnes)	2017-18: 000 2018-19: 15360 2019-20: 39766 2020-21:29789 2021-22:29617 (In tonnes)	The Cumulative ROM Production as reported in monthly return of March-22(45014 tons) is not matching with the ROM production as reported in Part-VI (1) & Part-VII of the Annual Return 2021-22(29617 tons). Violation issued under Rule 45(7) of MCDR 2017.

3q	General remarks of inspecting officers on method of mining etc.	<p>i) The ROM production for the year 2021-22 is only '29617' tonnes against the proposed production of 64,026 tons which is 53 % less than the approved proposal. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>ii) The land use (area in ha) as given in Part-I (12) of AR 2021-22 under 12(iii) i.e., Reclaimed/Rehabilitated & 12(v) i.e., Occupied by plant, buildings, residential, welfare buildings & roads have not been reported correctly in accordance with approved land use pattern.</p>	<p>Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iii) The Total production during the year (in tonnes) in Part-IV (2) and Overburden removed (in tonnes) in Part-IV (3) of AR 2021-22 have not been reported correctly. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iv) The Cumulative ROM Production as reported in MROF March-22(45014 tons) is not matching with the ROM production as reported in Part-VI (1) & Part-VII of the Annual Return 2021-22(29617 tons). Violation issued under Rule 45(7) of MCDR 2017.</p>	v) The complete surface and underground machineries details have not been provided in Part-V-Sec-5 of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017.
----	---	---	--	---

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping proposed for waste generated at dump D-1 for the year 2021-22.	The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location.	Violation issued under Rule 11(1) of MCDR 2017.

4b	Location of topsoil, OB and mineral reject dumps	Separate dumping proposed for waste generated at dump D-1 for the year 2021-22. D-1 dump N-4400, E-3240 D-2 dump N-3740, E-3100 (Local co-ordinates)	The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location.	Violation issued under Rule 11(1) of MCDR 2017.
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	3 dumps, 2 waste dumps within Lease and 1 old waste dump outside Lease	The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location. Violation issued under Rule 11(1) of MCDR 2017.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	Underground Mine
4e	Number of active and alive dumps.	2 waste dumps proposed within the lease area	2 waste dumps active within the lease area	D-1 & D-2 waste dump
4f	Number of dead dumps.	1 dead dump waste outside lease area.	1 dead dump waste outside lease area.	Old waste dump.
4g	Number of dumps established.	No Proposal	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	50 m - Retaining wall 50 m - Garland drain For D1 waste dump proposed	50 m Retaining wall & 50m garland drain construction carried out along waste dump-D-1	NIL
4i	Length of Retaining wall or garland drain all along dumps	50 m - Retaining wall 50 m - Garland drain	80m - Retaining wall 90m - Garland drain	NIL

4j	Number of settling ponds	One Silt Settling tank proposed.	It was observed that the Silt Settling tank (SST) construction near dump D-1 have not been carried out during the year 2021-22 as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
4k	Specific comments of inspecting officer on waste dump management		<p>The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) It was observed that the Silt Settling tank (SST) construction near dump D-1 have not been carried out during the year 2021-22 as per the proposal. Violation issued under Rule 11(1) of MCDR 2017.</p>	The Quarterly progress report for stoping and development have not been submitted to this office, as per the stoping permission condition. 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.	<p>i)The mine is currently working with sublevel open stoping without filling as per the Geo technical recommendation/report from NIRM.</p> <p>ii)The processed output [digital elevation model (DEM) and Orthomosaic] have not been submitted in accordance with the Standard Operating Procedures under sub rule (5) of rule 34A of MCDR, 2017 for carrying out drone survey and submission of Digital Aerial Images of Mining areas. Violation issued under Rule 34A(1) of MCDR 2017.</p>
----	--	--

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 before 1st July of every year.	Submitted on 22/04/2022 vide Email.	NIL
6b	Area available for rehabilitation (ha) .	0.54 Ha Greenbelt plantation proposed in 7.5 m safety zone.	0.54 ha Green belt plantation carried out in 7.5 m safety zone.	Between pillar L-3 & L-2.
6c	afforestation done (ha).	0.54 Ha Greenbelt plantation proposed in 7.5 m safety zone.	0.54 ha Green belt plantation carried out in 7.5 m safety zone.	Between pillar L-3 & L-2.

6d	No. of saplings planted during the year	1350 No. of saplings plantation proposed within lease area	1350 No. of saplings plantation carried out within the lease area	Green belt plantation in 7.5 m safety zone. As reported in AR 2021-22
6e	Cumulative no .of plants	Not mentioned	17,550 nos. of plants cumulative	As reported by the Lessee during inspection
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)Afforestation 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
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	NIL	NIL

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	NIL	NIL
6o	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 for Air, Water, Noise etc. Environmental monitoring report of Quarter Jan-March-22 available during inspection. All parameters are within Limits	NIL
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	Rom generated from mine is shifted to the captive processing plant at Hutti.
7c	Different grade of mineral sorted out at mines.	No Proposal	NIL	NIL
7d	Any beneficiation process at mines .	No Proposal	NIL	Rom generated from mine is shifted to the captive processing plant at Hutti.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mineral conservation activities carried out inside the mine. Rom generated from mine is 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 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(D-1 & D-2 waste dump).	The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location.	Violation issued under Rule 11(1) of MCDR 2017.
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	17,550 nos. of plants cumulative	As reported by the Lessee during inspection
8g	Survival rate	50% proposed	50% achieved	As reported in AR 2021-22.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed to control the surface airborne dust.	Water sprinkling carried out as per the proposal with 6000 litres -1 no of Water tanker.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The waste dumping for the year 2021-22 was not carried out at the proposed dump location 'D-1' as per the proposal. Also, D-2 dump has not been maintained at the proposed location. Violation issued under Rule 11(1) of MCDR 2017.

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 August-2022 on 09.09.2022 ***** A.R. Submitted up to 2021-22 on 30.06.2022	M.R. Submitted up to August-2022 on 09.09.2022 ***** A.R. Submitted up to 2021-22 on 30.06.2022	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager: Sri. Nagaraj, Mining Engineer: Sri G. Shivakrishna, Geologist: Shri R.B Ganesh	Appears to be correct	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-5.57 Ha OB/Dump-1.65 Ha Mineral storage-1.76 Ha Infrastructure & roads- 3.04 Ha. Reclaimed/Rehabilitated- 19.28 ha. (As reported in AR 2021-22).	Part-I: The land use (area in ha) as given in Part-I (12) under 12(iii) i.e., Reclaimed/Rehabilitated & 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.
9d	Scrutiny of Annual return on afforestation	1350 nos. of plants within lease area with 50 % survival rate.	Appears to be correct	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Appears to be correct	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock-33823 tons (Old stock of O/c working) Production- 29,617 tons. ROM Closing stock- 14031 tons(Old stock of O/c working). Ore dispatched to processing plant. Opening stock- 0 tons Ore received from the mine- 49,409 tons Ore treated in plant-43,057 tons	i)Part-IV: The Total production during the year (in tonnes) in Part-IV (2) and Overburden removed (in tonnes) in Part-IV (3) have not been reported correctly. ii)The Cumulative ROM Production as reported in monthly return of March-22(45014 tons) is not matching with the ROM production as reported in Part-VI (1) & Part-VII of the Annual Return 2021-22(29617 tons).	Violation issued under Rule 45(7) of MCDR 2017.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs. 12627 /ton. Ex-mine price- Rs. 12627.66/ton	Appears to be correct	Captive Mine
9h	Scrutiny of Annual return on fixed assets	Rs. 0/-	Part-IIA: The value of fixed assets is not reported correctly under Part-II A (1).	Violation issued under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining machineries	Tipper-10 Cum-1 Air compressor-1 etc.	The complete surface and underground machineries details have not been provided in Sec-5.	Violation issued under Rule 45(7) of MCDR 2017.

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)	10/10/2022			
MCDR17	Rule 34(1)	10/10/2022		05/01/2023	
	Rule 45(7)	10/10/2022			30/11/2022

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines