

**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 : **S19**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Kumar Mohan Singh, Mines Manager, Sri.Ramesh G (Geolo
Official with
Designation
- (iv) Date of Inspection : 27/09/2022
- (v) Prev.inspection date : 12/01/2022

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 : 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 : Johnson,Full Time
 Qualification : B.E IN MINING ENGINEER
 Appointment/ : 01/01/2020
 Termination date

Geologist

Name : Ramesha G,Full Time
 Qualification : M.SC GEOLOGY
 Appointment/ : 30/04/2010
 Termination date

Manager

Name : Kumar Mohan Singh
 Qualification : FCC
 Appointment/ : 11/09/2019
 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	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	One borehole with total meterage 300 m & one trench of depth 2 m proposed for the year 2021-22.	It was observed that no exploration has been carried out in the year 2021-22 against the proposed surface exploratory drilling of 1 borehole with 300 meterage along section line 1-1' and one trench of depth 2m.	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- 3.468 Ha G2- 9.930 Ha G-3 - 0.260 Ha G-4 - 8.520 Ha	G1- 3.468 Ha G2- 9.930 Ha G-3 - 0.260 Ha G-4 - 8.520 Ha	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	0.68 million tonnes as on 1.04.2020 with 0.59 million tonnes of grade 3.54 g/t and 0.09 million tonnes with grade 4.16 g/t.	6,35,142 tonnes as on 1.04.2022.	As reported in AR 2021-22.
1f	General remarks of inspecting officers on geology, exploration etc			It was observed that no exploration has been carried out in the year 2021-22 against the proposed surface exploratory drilling of 1 borehole with 300 meterage along section line 1-1' and one trench of depth 2m. Violation issued under Rule 11(1) of MCDR 2017.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	On-Lode 470m (horizontal + vertical) Off-Lode 210m Total-680 m development proposed for the year 2021-22.	It was observed that against the total proposed development of 680 m (470 m on lode & 210 m off lode development) only 244 m (114 m on lode & 130m 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	1:0.11 proposed (In tons)	1:0.09 (In tons)	Ore-19,177 tons BR - 1794 tons
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable	Underground Mine
2e	Quantity of overburden generation in m3	6660 tons~2220 Cum proposed	1794 tons~598 Cum achieved.	Violation issued under Rule 11(1) of MCDR 2017 for less waste handling.
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 680 m (470 m on lode & 210 m off lode development) only 244 m (114 m on lode & 130m off lode) development has been carried out for the year 2021-22. Violation issued under Rule 11(1) of MCDR 2017.	ii) The corresponding waste handling is also only 1794 tons against the proposed waste handling quantity of 6660 tons for the year 2021-22.Violation issued under Rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

3a	Number of pit proposed for production	S7 Stope Block (3rd to 5th level of Mother lode proposed).	The ore production was proposed from stope S-7 between 3rd level to 5th level of Mother lode during the year 2021-22, however ore production was carried out from stope S-6 between 2nd level to 3rd level.	Violation issued under Rule 11(1) of MCDR 2017
3b	Quantity of ROM mineral production proposed	59,515 tons proposed.	The ROM production for the year 2021-22 is only '19177' tonnes against the proposed production of 59,515 tons which is 67 % 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	NIL	Rom generated from mine is 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.	Drilling and blasting carried out.	Development face-Jack hammer drill, Burn cut drilling pattern, Stope-Ring drilling pattern.

3k	Provision of mining machineries in mineral benches	i)Jack Hammer- 6 nos. ii)Locomotive- 2 nos. iii)Hopper loader- 3 nos. EIMCO 824 l.	i) Simba Jr- 2 nos. ii)Locomotive- 3tons- 2 nos. iii)Loader- 5 nos. iv)Jack Hammer- 6 nos.	As reported by the Lessee during inspection.
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	0.50 ha covered under old workings.	0.50 ha old workings area	The mine is operating through underground working only.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11 proposed (In tons)	1:0.09 (In tons)	Ore-19,177 tons BR - 1794 tons
3o	Total area put in use under different heads at the end of year	i)Area under Mining - 0.50 Ha ii)Infrastructures & roads - 3.26 Ha	i)Area under Mining - 0.50 Ha ii)Infrastructures & roads - 3.26 Ha	As reported by Lessee in AR 2021-22.
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 - 59515 (In tonnes)	2017-18-35709 2018-19- 8133 2019-20-11087 2020-21-25681 2021-22 - 19177 (In tonnes)	The ROM production for the year 2021-22 is only '19177' tonnes against the proposed production of 59,515 tons which is 67 % less than the approved proposal. Violation issued under Rule 11(1) of MCDR 2017.

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

i)The ROM production for the year 2021-22 is only '19177' tonnes against the proposed production of 59,515 tons which is 67 % less than the approved proposal. Violation issued under Rule 11(1) of MCDR 2017.
ii)The ore production was proposed from stope S-7 between 3rd level to 5th level of Mother lode during the year 2021-22, however ore production was carried out from stope S-6 between 2nd level to 3rd level. 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)	No proposal	Nil	The waste generated from the mine used directly for civil construction purpose.
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	The waste generated from the mine used directly for civil construction purpose.
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	NIL

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.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	No Proposal	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	NIL	NIL
4j	Number of settling ponds	No Proposal	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management			The waste generated from the underground mine used directly for civil construction purpose.

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.	i)The mine is currently working with sub level open stoping method without filling as per Geotechnical recommendation /report from NIRM. ii)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.
----	--	--

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 of July every year	Submitted on 31.07.2022	NIL
6b	Area available for rehabilitation (ha) .	0.56 ha for Green belt plantation in 7.5 m safety zone.	The plantation along 7.5 m safety zone at South west portion between mine lease pillars BP-A to BP-M for 0.56 ha with 1400 nos. of saplings have not been carried out as per the proposal for the year 2021-22.	Violation issued under Rule 11(1) of MCDR 2017.
6c	afforestation done (ha).	0.56 ha for Green belt plantation in 7.5 m safety zone	The plantation along 7.5 m safety zone at South west portion between mine lease pillars BP-A to BP-M for 0.56 ha with 1400 nos. of saplings have not been carried out as per the proposal for the year 2021-22.	Violation issued under Rule 11(1) of MCDR 2017.

6d	No. of saplings planted during the year	1400 nos. saplings plantation proposed for the year 2021-22	The plantation along 7.5 m safety zone at South west portion between mine lease pillars BP-A to BP-M for 0.56 ha with 1400 nos. of saplings have not been carried out as per the proposal for the year 2021-22.	Violation issued under Rule 11(1) of MCDR 2017.
6e	Cumulative no .of plants	Not mentioned	20400 nos. of Cumulative plants as on 31.03.2022	As reported by Lessee during inspection.
6f	Any other method of rehabilitation	No proposal	NIL	NIL
6g	Cost incurred on watch and care during the year	Not Specified.	The plantation along 7.5 m safety zone at South west portion between mine lease pillars BP-A to BP-M for 0.56 ha with 1400 nos. of saplings have not been carried out as per the proposal for the year 2021-22.	Violation issued under Rule 11(1) of MCDR 2017.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x 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 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, Soil& dust. 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 plantation along 7.5 m safety zone at South west portion between mine lease pillars BP-A to BP-M for 0.56 ha with 1400 nos. of saplings have not been carried out as per the proposal for the year 2021-22. Violation issued under Rule 11(1) of MCDR 2017.

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)	No proposal	Nil	The waste generated from the underground mine used directly for civil construction purpose. No rejects and fines generation.

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	20400 nos. of plants Cumulative as on 31.03.2022	As reported by Lessee during inspection.
8g	Survival rate	65% proposed	65% achieved	As reported in AR 2021-22.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads proposed.	Water sprinkling carried out as per the proposal to control airborne dust.	Water spraying carried out using one water tanker of 1 KL capacity.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			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.

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	1)Shri Kumar Mohan Singh -Mine manager 2)Ramesh.G-Geologist. 3)Shri Johnson-Mining Engineer.	Appears to be correct	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i)Area under Mining - 0.50 Ha ii)Infrastruct ure& roads - 3.26 Ha	Appears to be correct	NIL
9d	Scrutiny of Annual return on afforestation	800 Saplings (Survival Rate 65%) within ML area.	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 ROM opening stock-0 tons. Production-19,177 tons. ROM Closing stock- 0 tons. Ore dispatched to processing plant. Opening stock- 0 tons Ore received from the mine-19,177 tons Ore treated in plant-15,789 tons	Appears to be correct	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs. 9233 /ton. Ex-mine price- Rs. 9233.31/ton	Appears to be correct	NIL
9h	Scrutiny of Annual return on fixed assets	Rs. 14932209 including land, industrial, plant & machinery & capitalized expenditure	Appears to be correct	NIL
9k	Scrutiny of Annual return on mining machineries	Locomotive- 2 nos. Winding Engine-2 nos. Water sprinkler- 1 no. etc.	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 NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	10/10/2022	22/12/2022			
MCDR17	Rule 34(1)	10/10/2022	22/12/2022			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines