

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

Review and updation of Mining Plan 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 : Mohan Kumar Singh, QP; Narasimha Rao, Geologist and ot
Official with
Designation
- (iv) Date of Inspection : 05/11/2020
- (v) Prev.inspection date :

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	150 Cum Trenches proposed during the year 2018-19.	The exploratory work not carried out as per the proposal	The mine was under temporary discontinuance from 28.07.2018 to 29.10.2019
1b	Exploration over lease area for geological axis 1 or 2	Trenches-200 Cum and 5 surface boreholes with total meterage of 1375 m proposed for the year 2019-20	No Exploration carried out during the year 2019-20	Violation issued for not carrying out exploration as per the proposal. The detailed exploration program including the above backlog was incorporated in the upcoming plan period (2021-22) to (2025-26).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned	Exploration was not carried out during the year 2019-20	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not mentioned	G-1,G-2 ,G-3 & G-4 is 3.468 Ha, 9.93 Ha, 0.260 Ha, 8.520 ha respectively.	Exploration proposals incorporated in the upcoming plan period (2021-22 to 2025-26) to upgrade G3/G-4 area to G-1/G-2
1e	Balance reserve as on 01/04/20	0.91 million tonnes with grade 3.66 g/t as on 01.04.2016	0.495 million tonnes	As per AR 2019-20.The Mineral Reserve & Resources are not updated as on 1.4.2020 after depletion of the production from the reserves of the approved document. Violation issued under Rule 45(7)

1f	General remarks of inspecting officers on geology, exploration etc	-	-	No exploration activities have been carried out against the proposal of 5 no of surface boreholes amounting to 1375 m and 200 cu.m of trenches for the year 2019-20. Violation issued. Also Exploration proposals incorporated in the upcoming plan period (2021-22 to 2025-26) to upgrade G3/G-4 area to G-1/G-2. The balance Reserve figures have not been reported correctly. Violation issued under Rule 45(7).
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	i) On-lode-4th L, 5th S/L, 6th L & 2nd S/L. ii)Off-lode-4th L	On lode development carried out between 4th and 5th level. No off lode development carried out.	Violation issued
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not applicable	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.016(in tons)	1:0.00(in tons)	Ore production-11087 tons, Waste- Nil. Violation issued.
2d	Quantity of topsoil generation in m3	Not applicable	Nil	-
2e	Quantity of overburden generation in m3	1000 tons	Nil	Violation issued

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	<p>i)No off lode development work has been carried out against proposed off-lode development of 39 m (horizontal) for the year 2019-20. Violation issued.</p> <p>ii)No Waste was handled during the year 2019-20 against the proposal of 1000 tons, due to which Ore: OB ratio has not been achieved as proposed. Violation issued.</p>
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 stope block proposed (S-6 Block)	One stope block (S-6 Block)	-
3b	Quantity of ROM mineral production proposed	60,000 tons	11,087 tons	As per AR 2019-20. Violation issued for less production.
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	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	-
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	Jack Hammer-10 ii)Simba Jr-1 Wagon drill-1 iii)WDS 600-01 iv)EIMCO-21-1 EIMCO 824 l.) BBC 120 F drifter/Simba Jr- 57 mm dia. ii)Atlas Copco BVB -125- 115 mm dia. iii)Locomotive- 3tons. iv)EimcoElecon 21 RS.	Machinery details not provided in AR 2019-20. Violation issued under Rule 45(7).
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 at the end of plan period (2020- 21) (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.	1:016(in tons)	1:0.00(in tons)	Ore production- 11087 tons, Waste- Nil. Violation issued

3o	Total area put in use under different heads at the end of year	i)Area under Mining- 0.5 ha ii) Waste dump- 1.50 ha iii)Infrastruc ture& roads- 3.26 ha. iii)Green belt- 16.18 ha at the end of the plan period(2020-21)	i)Already exploited & abandoned by opencast (O/c) Mining- 0.00 ha ii)waste disposal- 2.00 ha iii)Occupied by Plants, buildings, residential, welfare& roads-14 ha iv)Other purpose -4 Ha.	As per land use reported in AR 2019-20. The land use under different headings have not been reported correctly. Violation issued under Rule 45(7)
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 57,403 tons 2017-18: 60,000 tons 2018-19: 60,000 tons 2019-20: 60,000 tons (in tonnes)	2016-17: 31737 tons 2017-18: 35709 tons 2018-19: 8133 tons 2019-20: 11,087 tons (in tonnes)	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	i)The total ROM production proposed for the year 2019-20 is 60,000 tonnes against which only 11087 tonnes of ROM production have only been done. The deviation in the overall ROM production is 81 % less than the approved proposal. Violation issued. ii)The land use under different headings has not been reported correctly in AR 2019-20. Violation issued under Rule 45(7)

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping proposed for Waste. (1 Waste dump proposed)	No waste generated during the year 2019-20. No waste dump present inside the lease area	The waste generated from the mine used directly for civil construction purpose.
4b	Location of topsoil, OB and mineral reject dumps	1 waste dump E-2200 to 2300 N-2000 to 2100,	No waste dump present inside the Lease area	The waste generated from the mine used directly for civil construction
4c	Number of dumps within lease area and outside of lease area	No applicable	Not applicable	Underground mine.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	Underground mine.
4e	Number of active and alive dumps.	1 active dump proposed within the lease area	Nil.	-
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 & Garland drain proposed all along the proposed waste dump	Since there is no waste dump present, there is no requirement of Retaining wall and Garland drain .Accordingly not constructed.	No waste dump present inside the lease area.
4i	Length of Retaining wall or garland drain all along dumps	Length of Retaining wall & garland drain not mentioned. However Retaining wall and garland drain proposed along the proposed waste dump.	Since there is no waste dump present, there is no requirement of Retaining wall and Garland drain .Accordingly not constructed	-
4j	Number of settling ponds	No proposal	Nil	-

4k	Specific comments of inspecting officer on waste dump management	No waste dumping carried out at the proposed waste dump. The waste generated from the underground was used directly for civil construction purpose.
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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.			The mine is currently working with sub level open stoping method without filling as per Geotechnical recommendation /report 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 before 1st of July every year	Annual PMCP report for the year 2019-20 not submitted	Violation issued.

6b	Area available for rehabilitation (ha) .	0.366 ha within Lease and 2 ha outside ML.	Nil	No PMCP report submitted by the Lessee accordingly area of rehabilitation could not be verified.
6c	afforestation done (ha).	0.366 ha within Lease and 2 ha outside ML.	Nil	No PMCP report submitted by the Lessee accordingly area of rehabilitation could not be verified
6d	No. of saplings planted during the year	500 saplings inside ML and 600 saplings outside ML proposed	Nil	As reported in AR 2019-20. Violation issued.
6e	Cumulative no .of plants	16110 nos. of plants (Both inside & outside ML)	13890 nos. of plants.(Both inside & outside ML) No plantation carried out in the year 2019-20	As reported by the Lessee. Violation issued.
6f	Any other method of rehabilitation	No proposal	Nil	—
6g	Cost incurred on watch and care during the year	Not mentioned	Nil	—
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	—
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	Nil	—
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	—
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	—
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed for Air, water, noise, Soil & Dust.	Environmental monitoring carried out for Air, Water, Noise, Soil& dust. All parameters are within Limits	Annual Environmental monitoring Report(April 2019 available. All environmental parameters within limit

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	<p>i)The proposal for 2019-20 mentions 500 saplings to be planted in 0.366 ha inside ML area & 600 saplings to be planted in 2.0 ha outside ML area against which 'NIL' plantation have been carried out. Violation issued.</p> <p>ii)Yearly report on PMCP setting forth the extent of protective and rehabilitative works carried out as per the approved Progressive mine closure plan, has not been submitted for the year 2019-20. Violation issued</p>
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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 grade wise mineral sorting proposed	Nil	—
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	—

7d	Any beneficiation process at mines .	No proposal	Nil	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	—	—	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 proposal	Nil	—
8b	Concurrent use or storage of topsoil	No proposal	Nil	—
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping proposed for waste	There is no waste dump inside the Lease area. 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 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)	16110 nos. of plants (Both inside & outside ML)	13890 nos. of plants.(Both inside & outside ML)	—
8g	Survival rate	65%	Nil. No plantation carried out in the year 2019-20.	As reported in AR 2019-20.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads proposed	Water sprinkling carried out as per the proposal	—
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	The aesthetic beauty in and around the mine looks very good.The proposal for 2019-20 mentions 500 saplings to be planted in 0.366 ha inside ML area & 600 saplings to be planted in 2.0 ha outside ML area against which 'NIL' plantation have been carried out. Violation issued

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 Sep-2020 ***** A.R. of the year 2019-20 submitted on 19.08.2020	.R. Submitted up to Sep-2020 ***** A.R. of the year 2019-20 submitted on 19.08.2020	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Shri Jhonson ii) Geologist-Shri P. Narasimha Rao Ganesh iii) Manager-Shri Kumar Mohan singh	The Manager and the Geologist were present during inspection on 5 & 6/11/2020	Nil.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i)Area exploited & abandoned by O/c Mining- 0.00 ha ii)waste disposal- 2.00 ha iii)Occupied by Plants, buildings, residential, welfare& roads-14 ha. iv)Other- 4 ha	The land use (area in ha)have not furnished correctly as per Para- 8.6(Financial Assurance) of the last approved document	Violation issued.
9d	Scrutiny of Annual return on afforestation	Nil	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	O/s- 0 tons ROM Production- 11087 tons C/s- 0 tons	Appears to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production- Rs 8874/ton Ex mine price- Rs. 8874/ton	Appears to be correct.	Nil
9h	Scrutiny of Annual return on fixed assets	Rs. 16321406 Including Land, plant & machinery and capitalized expenditure	Appears to be correct	Nil
9k	Scrutiny of Annual return on mining machineries	Complete details of the underground mining machineries not provided.	The details of the machinery like drill, Loaders etc. have not been provided.	Violation issued.

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)	17/11/2020	05/02/2021				
MCDR17	Rule 26(2)	17/11/2020	05/02/2021				
MCDR17	Rule 28(1)	17/11/2020	05/02/2021				
MCDR17	Rule 29	17/11/2020	05/02/2021				
MCDR17	Rule 35(2)	17/11/2020	05/02/2021				
MCDR17	Rule 45(7)(a)	17/11/2020	05/02/2021				

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines