# STOPING INSPECTION REPORT INDIAN BUREAU OF MINES

# **Bangalore Regional Office**

Mine Code No. 27KAR 16001

Annexure-I

Report Prepared by Shri. Sandeep Kumar Singh & Shri K. Srinivas (i)

Assistant Controller of Mines & Junior Mining Geologist (ii) **Designation** 

IBM, Bangalore

ML.No 2671 (iii)

(1) Sri Arunava Ghosh **Accompanying Mine Official** (iv)

(2) Dr.Sanjeeva Kumar Solankar

(3) Sri Prashant

(4) Sri Raj Mohammad

(1) Senior Manager (Mine Planning) (v) **Designation** 

(2) I/c Manager (Exploration) (3) Dy Manager (Survey) (4) Sr Engineer (Min)

**Date of Inspection** 14/01/2022 (vi)

Application dated 13.12.2021, received in the office on Date of submission of the (vii) 21/12/2021. The scrutiny comments were prepared based on application by lessee

the inspection of the mine and was sent to the Lessee vide letter no KNT/RCH/G-1/BNG dated 27/01/2022. The lessee has incorporated the corrections and final copy is submitted vide Lessee letter no 147/MIN/SO/2021-22/IBM dated

05.03.2022 received in the office on 08.03.2022.

#### **PART – I General Information**

Hutti Gold Mine 1. Name of the mine **a**)

**Category of the mine** A-Mechanized U/G mine b)

Address of the mine c)

> Karnataka State **District** Raichur Hutti Village 584115 Pin

**Fax** 

E-mail rohgml.@gmail.com, sureshp@gmail.com

Prakash.bahadur@ka.gov.in

: Hutti d) **Name of Police Station** 

528.35 Ha Lease area in Hectare e)

(i) Forest

Non-Forest (ii) Non-forest

2. **Period of Lease** 20 years (19/12/2008 to 18/12/2028) **a**)

18/12/2028 Date of expiry **b**)

Gold, Scheelite and Associated Minerals 3. Mineral worked **a**)

Gold **b**) Main mineral Silver **c**) **Associated minerals** Captive /non-captive use Captive d)

Date of approval of mining plan 4. **a**)

with reference No.

No.279/356/92/BNG, dt.: 30/09/2020

Modification to the approved Review and

Updation of Mining Plan

 $\textbf{b)} \quad \textbf{Special conditions stipulated in} \qquad : \quad \mathrm{Nil}$ 

approval letter

5. Name and address of Lessee and Agent(including Fax/E-mail, if any)

a) Lessee : Sri. Prabhulinga Kavalikatti

The Managing Director
The Hutti Gold Mines Co. Ltd.

Address:3<sup>rd</sup> Floor, KHB shopping Complex, National Games Village, Koramangla, Bangalore

Phone:05837275022

Email: p.kavalikatti@ka.gov.in
Date of Appointment :01/03/2021

**b)** Agent : Sri. Ravikumar

Address: The Hutti Gold Mines Co. Ltd.

Hutti-584115, tal.: Lingasugur, Dist.: Raichur,

Karnataka

Phone:9449615014

Fax: -

Email: dgmengg03@gmail.com,

tn.ravikumar@ka.gov.in

Date of Appointment: 01/06/2021

c) Status of lessee (Private/ : PSU

**PSU/Joint sector**)

d) Mining Engineer/Geologist under Rule 55 of MCDR, 2016 with date

of appointment whether full-time or part time and qualifications.

Mining Engineer

Sri. Abhijith Suryavanshi

Full time

Date of Appointment:06/08/2020

Geologist

Dr. Sanjeeva Kumar Solankar

Full time

Date of Appointment: 08/07/2019

e) Mines Manager : Sri. P Suresh

Qualifications and date of

Appointment

Address: Address: The Hutti Gold Mines Co. Ltd.

Hutti-584115, tal.: Lingasugur, Dist.: Raichur,

Karnataka

Phone:9900470404

Email: suresh.pamshetty@ka.gov.in Date of Appointment:03/06/2019

# **PART-II: TECHNICAL DETAILS**

1. Details of Section/Stope applied for permission:

Sl.No.	Name of		L	evel	Region	Daniel and a second
	applied block.	Stope ID	Top Level	Bottom Level		Proposed period as per approved MRMP dated 27/07/2021
1		ZONE I			BE 35/36	
	S1 Block	REEF	24 L	26 L		2021-22 & 2022-23

	Со-от	dinates	Stope Dimension (LxWxH)
	Latitude (From, to) UTM/Local	Longitude (From, to) UTM/Local	69m x 10.48m x 57m
Top level- 24 L	1791593.5, 1791529.5 (6316 to 6379)	676465.5, 676492.5 (3779 to 3808)	
Bottom Level- 26L	1791585.5, 1791519.5 (6323 to 6388)	676452.5, 676476.5 (3762 to 3789)	

Table 1: The details of the proposed stopes

2. Level and stope wise completed and pending development: The status of the development has been examined during the mine inspection on 14.01.2022. The updated development as on 30/11/2021 as reported by the Lessee is as below.

SI.	Bloc	Reef	Level	Developn	nent Require	ed (mts)	Developm (	ent Compi (mts.)	leted	Development . %
No.	k			Drive	X-cuts	Total	Drive	X-cuts	Total	Completed
1			24 DL	69.6	25.2	94.8	69.6	25.2	94.8	100%
2			25 L	70.4	38.9	109.3	70.4	38.9	109.3	100%
3		I a	26 S/L	80.6	0	80.6	80.6	0	80.6	100%
4	S1	Zone	26 L	70.1	7	77.1	70.1	7	77.1	100%
5			26 L Draw Level (Off-Lode)	103.4	92.8	196.2	32.5	15	47.5	24.2%
6			Total	394.1	163.9	558	323.2	86.1	409.3	73.3%

Table2: Proposed stope development status

**3. Extent of Development in the mine:** Details of UG development in Zone-I Reef is as follows:

Access	Dimension
Mallappa Shaft	6.1m x2.17 m
Central Shaft	3.76 m x 1.83 m
Village Shaft	3.51 m x 2.13 m
Level (L)	Lateral Dev (m)
1st	0
2nd	145.0
3rd	1004.5
4th	923.0
5th	1248.7
6th	633.0
7th	929.20
8th	631.20

833.0 788.0 736.0 190.0 1018.0 1136.0 1074.20 722.20
736.0 190.0 1018.0 1136.0 1074.20 722.20
190.0 1018.0 1136.0 1074.20 722.20
1018.0 1136.0 1074.20 722.20
1136.0 1074.20 722.20
1074.20 722.20
722.20
734.0
802.30
764.00
841.00
733.00
687.00
595.00
795.00
615.30
615.30 749.10
749.10

Table3: Extent of development in mine

# 4. Stope already worked out during last 5 years:

Permission Letter	Stopes already worked out	No. of Stopes	Top level <b>R</b> L	Bottom Level RL	Quantity Proposed (Tonnes)	Quantity recovered (Tonnes)
XVI.No.KNT/RCH/G-1- SZ/253, Dated 15.6.2018	OR 17 L - 19 L BE 43-44 (7P &8P Block)	1	545.61	609.61	1,55,697	1,80,208

Table 4: Details of stope workout during last five years

**5. Reserve position of stopes in operation:** Balance reserves in stopes under operation for which permission is granted as on 30/11/2021 as reported by the Lessee during inspection are.

Table 2.3.1: Summary of Proposed Stope Production during 2020-21

SI No	Stope	Stope D	imensio	ns (m)	Level (From	Co-orc	linates	Reef	Region	Ore	Actual
31 110	Nomenclature	L	W	Н	To)	Latitude	Longitude	Keei	Kegion	Tonnage	Tonnage
					800 L	-6326	4217	G. 11			
1	В2	60	5	96	000 L	-6379	4246	Strike Reef Foot	KE 37	51,061	44,049
1	DΣ	00	5	90	1100 L	-6342	4182	Wall	KE 37	31,001	44,049
					1100 L	-6395	4209	vv an			
					1000 L	-6136	4097	G. 11			
2	R3	24	9	72	1000 L	-6166	4028	Strike Reef Hang	HE 30/31	66,100	67,118
2	KS	24	9	12	13 Int L	-6134	4031	Wall	пе 30/31	00,100	07,110
					13 IIIL L	-6169	4028	wan			
					2400 L	-6246	3916	G. 11			
3	S1	60	14	57	2400 L	-6297	3950	Strike Reef Hang	EE 24 /2E	37,339	24,242
3	31	00	14	37	2600 L	-6259	3896	Wall	EE 34/33	37,339	24,242
					2000 L	-6311	3926	vvan			
					15 D /I	-6096	3790				
4	D Block	60	5	87	15 D/L	-6148	3815	Zone I	AE 28/29	13,075	11,160
4	D DIOCK	60	5	67	1800 L	-6102	3780	Reef	AE 20/29	13,075	11,100
					1000 L	-6161	3795				
					15 D/L	-5965	3723				
5	B Block	63	6	52	15 D/L	-6021	3755	Zone I	BE 31/32	31,925	19,280
5	D DIOCK	03	б	52	1700 L	-5973	3705	Reef	DE 31/32	31,923	19,200
					1700 L	-6013	3750				
					15 D/L	-6878	4013				
6	M-7-3 Block	90	5	66	13 D/L	-6978	4026	Middle	EE 46/47	45,000	30,572
b	M-7-3 BIOCK	90	5	00	1700 L	-6885	3980	Reef	EE 40/47	45,000	30,372
					1700 L	-6982	3983				
					1700 L	-6900	4039	N. (1.11			
7	S Block Sub-	60	25	62	1700 L	-6960	4033	Middle Reef Foot	GE 47	1,35,000	1,00,828
,	Block A	00	23	02	1900 L	-6899	4000	Wall	GE 47	1,33,000	1,00,020
					1900 L	-6960	3978	vv an			
					10 S/L	-6964	4065				
	ORT- OR2 Block				10 3/L	-6985	4063				
	OK1-OK2 BIOCK				13 Int Level	-6984	4028				
8		170	6	66	13 IIIt Level	-7054	4057	Oakley's	GE 47/48	20,000	28,821
٥		170	0	00	10 S/L	-6884	4022	Reef	GE 4//40	20,000	20,021
	ODT OD1 Block				10 3/L	-6959	4060				
	ORT- OR1 Block				13 Int Level	-6898.5	3992				
					13 IIII Level	-6978	4025				
	Total									3,99,500	3,26,070
										-,-,500	=,==,=

Table 5: Details of stope under operation for the year 2020-21.

**6. Reserve position of applied stopes:** In-situ tonnage is geological resources; Minable tonnage is tons including planned dilution.

S. No.	Reef	Stope Name	Level	In-situ Tonnage	Minable Tonnage	Grade (g/t)
1	Zone I	S1	24L - 26L	1,15,512	1,12,393	3.43

Table 6: Reserve position in applied/proposed stopes.

7. Balance Reserves: Position of Reserve and Resource as on 01/04/2021is as follows:

A. Total Mi	neral Reserves & l	Resources	
	UNFC	Million Tonnes	Grade
			(g/t)
Proved Mineral Reserve	111	15.99	4.38
Probable Mineral Reserve	121&122	3.36	4.10
Feasibility Mineral Resource	211	2.99	3.64
Pre-feasibility Mineral Resource	221	0	
Measured Mineral Resource	331	0	
Indicated Mineral Resource	332	1.49	3.26
Inferred Mineral Resource	333	2.24	3.73
Reconnaissance Mineral Resource	334	0	

Table 7: Reserve & Resource position of the mine as on 1.04.2021

#### 8. Manner of Extraction of ZI 24L - 26L BE 35-36 'S-1' Block

Reference Plans and Sections:

(1) PART VERTICAL SECTION & PART PLAN OF ZONE-I REEF 24L - 26L 'S-1' BLOCK BE 35-36 REGION SHOWING SEQUENCE OF OPERATION, MANNER OF EXTRACTION & YEAR WISE PRODUCTION [Drg. No. MP/SPA/2022/1/S1 Block\_ZI/A, Plate No 1]

# **SEQUENCE OF OPERATION**

## 8.1 STOPE PREPARATION:

- A. 24 Drill Level, 25th Level and 26 Sub Level are developed between 24th level and 26th level.
- B. One service raise from 24th Level to 26th Level has been developed at the northern side of the proposed block and one ventilation raise from 24th Level to 26th Level has been developed in the southern side of the proposed stope block.
- C. Both these raises are connected with all the levels and sub levels of the stope block.

#### 8.2 EXTRACTION LEVEL:

The bottom level of the proposed Block i.e., 26th level shall be used as extraction level. A hang wall haulage drive of 4.00 m. (H) x 4.00 m. (W) is developed in the waste rock at interval of 14.00 m - 18.00 m away from the Geological limit of the ore body. Draw cross cuts are developed with dimensions of 3.00 m. (H) x 4.00 m. (W) at an interval of 10 m, as shown in Drg. No. MP/SPA/2022/1/S-1 Block\_ZI/A, Plate No 1

#### 8.3 DRILLING OF BLAST HOLES:

115mm diameter holes will be drilled for Slot Rise,57 mm diameter downward holes with burden of 1.5m and toe spacing of 1.8 m have been drilled from 26th sub level to 26 level covering pillar of 13.4 m height, downward holes of 57 mm have been drilled from 25th level to 26 sub level covering pillar of 12 m and covering a 5 m upward drilling, 57 mm diameter holes are being drilled from 24 drill level to 5 m above 25th level, with a burden of 1.50 m and

toe spacing of 1.80 m as shown in cross Section showing Patterns of Drill Holes in Drg No. MP/SPA/2022/1/S-1 BLOCK ZI/A, Plate No 1

#### 8.4 BLASTING

- a. Blasting of holes drilled from 26th sub level to 26th level will be commenced from slot rise provided at southern end of the stope block and will progress towards north.
- b. Blasting of holes drilled from 26th sub level, shall blast against the slot. Similarly, the blasting of holes from 25th Level & 24 drill level shall be carried out maintaining a lead and lag of minimum 6.00 m. This sequence of blasting operation shall be maintained for the entire stoping block. (As shown in Longitudinal Vertical Section in Drg No MP/SPA/2022/1/S-1 BLOCK\_ZI/A, PLATE NO 1
- c. Slurry explosives of 83 mm will be used for blasting of Slot Rise. Emulsion Explosive of 40 mm will be used to blast Drill planes against the Slot Rise.
- d. Blasting will be carried out at the end of the shift after withdrawing all the men from the underground workings

### 8.4(a) Sequence of Blasting:

- (1) Slot Raise (Slice-1A) between 26 Sub-Level (26SL) and 26 Level (26L) shall be blasted from 26 SL by Drop Raising method.
- (2) Slot Widening (Slice-1B) between 26 SL and 26L shall be done by blasting of holes drilled from 26 SL. The already blasted slot raise (Slice-1A) shall act as free face for slot widening.
- (3) This will be followed by blasting of Slice-2 from 26 SL against the free face of Slot between 26 L and 26 SL.
- (4) Slot Raise (Slice-3A) between 25TH Level (25 L) and 26 Sub-Level (26SL) shall be blasted from 25 L by Drop Raising method. A raising will be carried out for 5 m for free face for upward drilled holes in 25 L.
- (5) Slot Widening (Slice-3B) between 25 L and 26SL shall be done by blasting of holes drilled from 25 L. The already blasted slot raise (Slice-3A) shall act as free face for slot widening.
- (6) This will be followed by blasting of Slice-4 between 26 SL and 26L & Slice-5 between 25 L and 26 SL from 26 SL and 25 L respectively.
- (7) Slot Raise (Slice-6A) between 24 Drill Level and 5 m above 25 L shall be blasted from 24 Drill Level by Drop Raising method.
- (8) Slot Widening (Slice-6B) between 24 Drill Level and 5 m above 25 L shall be done by blasting of holes drilled from 24 Drill Level. The already blasted slot raise (Slice-6A) shall act as free face for slot widening.
- (9) This will be followed by blasting of Slice-7, Slice-8 and Slice-9 from 26 SL, 25 L and 24 Drill Level respectively.
- (10) This will be followed by blasting slices from Slice-10 to Slice-36 in the sequence and manner shown in the above referred Plans and Sections.
  - -Slice-10, 13, 16, 19, 22, 25, 28 & 31 shall be blasted from 26 SL.
  - -Slice-11, 14, 17, 20, 23, 26, 29, 32 & 34 shall be blasted from 25L
  - -Slice-12, 15, 18, 21, 24, 27, 30, 33, 35 & 36 shall be blasted from 24 Drill Level.

- -A Crown Pillar of 6 m is retained between 24 Level & 24 Drill Level. This will mark completion of blasting in ZI 24L 26L BE 35-36 'S-1' Block.
- -Blasting Sequence will be as per Plan

#### 8.5 WITHDRAWAL & TRANSPORTATION OF ORE

The broken ore shall be drawn from the stope by Diesel Operated LHD, transported by Diesel operated LPDT and will be dumped into shaft bin or coarse ore bin at 26th Level and hoisted by New Winder/ Old Winder of Mallappa Shaft/ New Circular Shaft to surface.

## 8.6 SUPPORT OF WORKINGS: (Drg.No.MP/SPA/2022/1/S-1BLOCK ZI/J, Plate No 10)

As per Systematic Support Rules & Support plan enclosed.

- 1) All drives and cross cuts not exceeding 3m X 3m size in the proposed block are supported with 20mm diameter tor steel rock bolts of 1.50m length at 1.40m spacing.
- 2) All drives and cross cuts exceeding 3m X 3m size are supported with 20mm diameter tor steel rock bolts of 1.50 m length at 1.40m spacing.

# 8.7 SAFETY MEASURES: (Drg.NO. MP/SPA/2022/1/S-1BLOCK\_ZI/M, Plate No 13)

As per recommendation of NIRM, the following safety measures will be implemented.

- 1) Effect of Mining of the proposed block would be monitored by installing Stress Cells in the RIB Pillars adjacent to the block and in the crown pillar.
- 2) Convergence would be monitored by installing Tape Extensometers and Convergence Recorders in the Haulage Drives and in the Draw Cross Cuts in the proposed stoping block as shown in the drawing

# 8.8 VENTILATION: (Drg No. MP/SPA/2022/1/ S-1 BLOCK ZI/D, Plate No 4)

The stope will be ventilated with fresh intake air from Circular Shaft & Mallappa Shaft through the connecting drives and cross cuts at 26th Level and the return air would go up through the raises to the Village Reef Air Shaft shown in Drawing

#### **VR Air Shaft Fan Details:**

Make: ABB 1600-800-12 VP Axial Flow Fan

Capacity: 1500 m<sup>3</sup>/min Water Gauge: 105 mm

#### 8.9 STOWING:

After completion of extraction of the proposed block, the stope void shall be backfilled by hydraulic stowing with classified mill tailings and waste rock, in order to ensure stable working conditions in future stope blocks adjacent to the proposed block.

# **SAND STOWING DETAILS FOR YEAR 2020-21**

Sl No	Filling Stope		ng Sto ensio		Level (From To)	Reef	Region	BR Filling		Actual
31 NO	Nomenclature	L	W	Н					Hydraulic Stowing	Filling
1	SRF 10L - 13 Inter L JE34	90	12	45	1000 Level to 13 Inter Level	Strike Reef Foot Wall	JE 40	-	7,500	6,910
2	RP-5 & 6	137	9	70	1500 Level to 1700 Level	Strike Reef Hang Wall	IE 37/39	-	75,000	36,295
3	(7P)	88	7	63	1700 Level to 1900 Level	Oakley's Reef	BE 41	_	25,500	11,550
4	(8P)	80	4	64	1700 Level to 1900 Level	Oakley's Reef	BE 42		23,300	11,330
5	(R2 - R2 Extn)	100	20	72	1000 Level to 13 Inter Level	Strike Reef Hang Wall	GE 31/32	30,000	-	-
6	B BLOCK	80	15	67	20 Drill Level to 2200 Level	Strike Reef Hang Wall	FE 33	-	-	11,155
	Total							30,000	1,08,000	65,910

Table 8: Sand stowing details for the year 2020-21

- **9.** Compliance of Rule 30 under MCDR, 2017: has been complied with as Stoping application has been applied in prescribed Form –F under rule 30(2) of MCDR, 2017 by Hutti Underground Gold Mine of M/s The Hutti Gold Mines Company limited.
- **10.** Comments on the scrutiny of stoping notice: The stoping notice has been examined in light of the field visit on 14/01/2022 and discussion held with mine officials. The scrutiny comments were communicated to the Lessee vide Letter no KNT/RCH/G-1/BNG dated 27/01/22. The Lessee has incorporated corrections and the final copy is submitted vide Lessee letter no. 147/MIN/SO/2021-22/IBM dated 05.03.2022.
  - a) Application of stoping was submitted for Zone-I reef between 24<sup>th</sup> Drill level to 26<sup>th</sup> Drill level in BE-35-36 region (S-1 block) between grids as mentioned in Table 1.
  - b) As per approved Modified Mining Plan approved on 30/09/2021, above mentioned stope in Table-1 is proposed to stope out in the year 2021-22 & 2022-23. The stope wise proposed year detail has been furnished in the table 1 and also below in table 10.
  - c) Adequate development has been carried out for the proposed stope w.r.t the off-lode, on-lode & primary development by the Lessee as mentioned above in Table 2& below in Table 9
  - d) Accordingly, the proposed stope is recommended for permission as adequate development has been carried out in this stope.

SI.	Reet	Reef	Level	Developn	nent Require	ed (mts)	Developm	ent Comp (mts.)	leted	Development . %
No.	k	Í		Drive	X-cuts	Total	Drive	X-cuts	Total	Completed
1			24 DL	69.6	25.2	94.8	69.6	25.2	94.8	100%
2			25 L	70.4	38.9	109.3	70.4	38.9	109.3	100%
3		_ -	26 S/L	80.6	0	80.6	80.6	0	80.6	100%
4	S1	Zone	26 L	70.1	7	77.1	70.1	7	77.1	100%
5			26 L Draw Level (Off-Lode)	103.4	92.8	196.2	32.5	15	47.5	24.2%
6			Total	394.1	163.9	558	323.2	86.1	409.3	73.3%

Table9 showing status of development recommended for permission.

		2. 6		arv	of	Duon				क्ष्मच्य सचक	-	35	
-	Table 2.3	Stope	Dimens	ions	01	rropo	sed Stop	e Producti	on during	2021-22		理	
1	Stope	Jespe	(m)			evel From	Co-ord	inates	Reef	が出るいから	Or	3.E.	
	Nomenclature	L	w	н		To)	Latitude	Longitude	Reel	Region	Tonn	age	
'		0			١,	400 L	-6316	3779		202 A	900		
		69	6	57	L	-100 E	-6379	3808		1-1-1		000	
1	51	05		3,	1.	2600 L	-6323	3762	Zone I Reef	BE 35/36	90,	000	
	Mile I				1	3 000 5	-6388	3789					
-				-		2400 L	-6754	3820					
	NI BLOCK Sub-	N1 BLOCK Sub- 56 35		57		- 100 -	-6800	3853	Middle	CE 43/45	1,5	0,000	
2 BI	Block A	30		1		2500.	-6764	3794	Reef	CC 15, 10			
	The same of the sa			1		2600 L	-6815	3820					
_						24004	-6246	3916					
	1 1985 198					2400 L	-6297	3950	Strike Reef	EE 34/35	6	0,000	
3	S1	60	13.8	2 5		2600 L	-6259	3896	Hang Wall				
						2600 L	-6311	3926	-				
-						2400 L	-6423	3599				400	
		-	12		7	2400 L	-6514	3615	Oakley's Reef	CW 37/39	1	,50,000	
4	51Block	90	12	1	"	2600 L	-6435	3573	Reel		1		
						2000 E	-6528	3585					
						15 D/L	-5965	3723	-				
		63	6.2		52	1	-6021	3755	Zone I Reef	BE 31/32	10,566	10,566	
5	B Block	63	0.2			1700 L	-5973	3705 3750	-	ALC: N	-		
							-6013	4013	0				
		1				15 D/L	-6878 -6978	4026	Middle		-	35,451	
	M-7-3 Block	90	5		66		-6978	3980	Reef	EE 46/4	'	33,431	
6	M-7-3 BIOCK	1				1700 L		3983					
							-6900	4039					
						1700		4033	Middle Reef Foo	GE 47	,	90,464	
7	S Block Sub-	6	0 2	5	62	1	-6899	4000	Wall				
	Block A	1				1900		3978					
						-	-6964	4065		7			
						105/		4063			8		
	007 00 5					4	-6984	4028					
	ORT- OR 2 Blo	CK				13 Int	-7054	4057	Oakley		7/48	56,400	
	8		.70	6	66	L. DEBOOK	-6884	1022	Reef				
			170			10 5		4000					
	Opr on			503			-6898.	2002		08 108			
	ORT- OR 1 Blo	ock	19			13 li	nt	4025					
L			100		100	Levi	55						

-	Table	2.3.3	: Sum	nary o	f Proposed	Stope P	oducti	on during 2	022-23	Hasib 1
7	Stope Nomen- clature	Stope Dimensions (m)			Level (From	Co-ordinates		on during	1700	
		ι	W	н	To)	Latitude	Longitu de	Reef	Region	Ore Tonnage
+		69	6	57	2400 L	-6316	3779	Zone I Reef	BE 35/36	34,994
1	51					-6379	3808			
					2600 L	-6323	3762			
						-6388 ,/	3789			
1	N1 BLOCK Sub- Block A	56	35	57	2400 L	-6754	3820	Middle Reef	CE 43/45	1,50,000
						-6800	3853			
2					2600 L	-6764	3794			
						-6815	3820			
_		96	8	55	14 D/L	-6273	3881	Zone I Reef	DE 34/35	88,359
3	TO SOME					-6299	3896			
	54					-6288	3854			
					16 Int	-6373	3900			
-		67	6	82	1.00000000	-6371	3926	Zone I Reef	EE 35/36	61,641
					13 D/L	-6429	3960			
4	S 5 Block					-6379	3906			
					16 Int	-6438	3983			
-		90	12	57	2400 L	-6423	3599	Oakley's Reef	CW 37/39	1,50,000
	51Block					-6514	3615			
5						-6435	3573			
					2600 L	-6528	3585			
-		70	10	57		-5951	3653	Zone I Reef	CW 26/27	66,235
					2400 L	-6012	3688			
6	S2 Block					-5958	3640			
					2600 L	-6019	3675			
		78			1400 L	-6979	4046	Middle Reef	EE 48/49	32,616
				36		-7045	4065			
7	M-72 Block		8		1600 L	-6981	4008			
						-7071	4033			
-	-	170	6	66	10 S/L	-6964	4065	Oakley's Reef	GE 47/48	8 24,795
	ORT-					-6985	4063			
8	OR 2				13 Int Level	-6984	4028			
	Block					-7054	4057			
	ORT- OR 1 Block				10 S/L	-6884	4022			
						-6959	4060			
					13 Int Level	-6898.5	3992			
						-6978	4025			

Table 10:Proposed period as per approved MRMP dated 30/09/2020 for recommended stopes

11. Recommendation: Based on field observations, com	pliance of scrutiny comments submitted
by the Lessee, recommendations in NIRM report and	d proposals in present modification to the
approved Review & updation of mining plan, the pr	resent stoping permission for Zone-I reef
24th level to 26th level in BE 35-36 region (S-1 Block)	may be granted.

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