

I/29363/2024

**Mining Plan Modification REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/385/BNG

**Mine code :** 30KAR03058

- (i) Name of the Inspecting : 277 ) GANGADHAR BHAKAT  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : G. Pompapathi - Manager & Mining Engineer, Bhat Sridh  
Official with  
Designation
- (iv) Date of Inspection : 26/05/2023
- (v) Prev.inspection date : 23/09/2021

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : S.A.THAWAB
- (b) **Registration NO.** : IBM/19011/2014
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : RAMGAD
- Taluka : SANDUR
- Post office : SUSHILANAGAR
- Pin Code :
- FAX No. : 08392-240462 (F),
- E-mail : ztco2000@yahoo.com
- Phone : 08392-240085 (O), 984408500
- (f) **Police Station** : SANDUR
- (g) **First opening date** :
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S.S.A.THAWAB & COMPANY,  
C/O. ZEENATH TRANSPORT CO, COWL BAZAR,  
BELLARY - 583102
3. (a) **Lease Number** : ~~KAR0232~~ ML No. 2488
- (b) **Lease area** : 24.72 Ha
- (c) **Period of lease** : ~~20~~ 50 Years up to 03/08/2031
- (d) **Date of Expiry** : 03/08/~~2021~~ 2031
4. **Mineral worked** : IRON ORE Main

I/29363/2024

## 5. Name and Address of the

Lessee : S.A.THAWAB  
 BELLARY KARNATAKA  
 Phone:  
 FAX :

Owner : SYED AHMED  
 BELLARY KARNATAKA  
 Phone: 08392 - 260225  
 FAX : 08392- 240462

Agent : Syed Aslam  
 Zeenath Transport Company  
 Zeenath House, Cowl Bazar  
 Bellary BELLARY KARNATAKA  
 Phone: 08392240085  
 FAX : 08392240462

## Mining Engineer

Name : Pompapathi Gurke, Full Time  
 Qualification : Diploma in Mining and Mine surveying wit  
 Appointment/ : 09/11/2021  
 Termination date

## Geologist

Name : BHAT SRIDHAR MADHU KESWAR, Full Time  
 Qualification : M.Sc Geology  
 Appointment/ : 19/09/2022  
 Termination date

## Manager

Name : Pompapathi Gurke  
 Qualification : Diploma in Mining and Mine surveying wit  
 Appointment/ : 23/05/2020  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	18/04/1994
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	16/07/2002
	:	Mining Scheme rule 12 MCDR1988	23/11/2005
	:	Modif.approved Mining Scheme	09/02/2011
	:	Mining Scheme rule 12 MCDR1988	22/12/2014
	:	Mining Scheme rule 12 MCDR1988	29/03/2016
	:	MP review under 17(1) MCR 2016	11/12/2020
	:	Modif.approved Mining Scheme	29/10/2021

I/29363/2024

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	5 Core boreholes up to 135m carried out during the year 2021-22.	2021-22 - 5 Core Bore Holes, 1 TP.39-DTH Boreholes (844 M), 08 Core Drilling Boreholes (200 M) Total 1044 M 86 Trial pits
1b	Exploration over lease area for geological axis 1 or 2	4DTH Boreholes up to 200m proposed.	17 DTH Boreholes up to 609m carried out during the year 2022-23.	Out of 24.72 Ha. Mineralized area 23.46 Ha. & Stabilized dump area 1.26 Ha. As per drone survey data submitted.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	Exploration carried out by Sree Balaji Bore wells, Sandur & Total Expenditure of Rs. 1.16 lacks	The total Expenditure of Rs. 1.16 lacks
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Unexplored area /Dump area 1.26 Ha. (Under G4)	Exploration was carried out 23.46 Ha. in G1 level.
1e	Balance reserve as on 01/04/20	--	26,73,789 MT as on 01.04.2023	After Depleted 2022-23 production
1f	General remarks of inspecting officers on geology, exploration etc			Out of 24.72 Ha. Mineralized area 23.46 Ha. explored at G1 level & 1.26 Ha. stabilized dump area as per drone survey data submitted.

## Development :

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

I/29363/2024

2a	Location of development w.r.t.lease area	Float ore: N 1675389 - 1675446 E 656315 - 656384, N1675159 - 1675225 E 656743 - 656761, N1674704 - 1674790 E 656710 - 656783	Float ore: N1675389-1675446 E656315-656384, N1675159-1675225 E656743 - 656761, N1674704-1674790 E 656710 - 656783	Mine workings carried out within the proposed grid.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of separate benches in topsoil, OB and mineral.	No separate benches maintained in topsoil, OB and mineral.	During the RY mining is done in float ore Zone.
2c	Stripping ratio or ore to OB ratio	1:0.07	1:0.07	ROM- 67490 Ts WASTE - 4803 Ts
2d	Quantity of topsoil generation in m3	No Proposal.	No Top soil generation during the year 2022-23.	Float ore working.
2e	Quantity of overburden generation in m3	2500 Cum	2402 Cum	As per information furnished by the mine management.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine workings carried out within the proposed location.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits proposed for production.	Carried out in 3 pits as proposed.	
3b	Quantity of ROM mineral production proposed	67500 Tons	67490 Tons	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	No Proposal.	Nil.	No mineral rejection generation during the year 2022-23.

I/29363/2024

3e	Grade of mineral rejects generation and threshold value declared.	Proposal.	No NA	
3f	Quantity of sub grade mineral generation.	Proposal.	No NIL	
3g	Grade of sub grade mineral generation	Proposal.	No NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM.	Mechanized method adopted for segregating from ROM.	Dry crushing & Screening done.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal.	No such beneficiation study carried out during the year 2022-23.	
3j	Provision of drilling and blasting in mineral benches	No Proposal.	NIL	Only Excavator deployed in the float ore zone.
3k	Provision of mining machineries in mineral benches	Proposed Mining machineries in mineral benches Wheel loader-1 No Back Hoe - 1 No Tipper - 2 No's Water Tanker- 1 No Crusher 200 T/H - 1 No	Following Mining machineries used: Wheel loader-1 No Back Hoe - 1 No Tipper - 2 No's Water Tanker- 1 No Crusher 200 T/H - 1 No	Capacity of Water Tanker 12000 ltr.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height max. 3m and bench width min. 5m proposed in mineral benches.	Maintained as per proposal.	Float Ore working: Height 3 m. Width 5 m.

I/29363/2024

3m	Total area covered under excavation/pits	8.114 Ha.	8.64 Ha.	As on 01.04.2023 as per latest drone survey data.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07 (in Tons)	1:0.07 (in Tons)	ROM- 67490 Ts WASTE - 4803 Ts
3o	Total area put in use under different heads at the end of year	Area for Mining-8.114Ha Waste dumps- 1.05 Ha Roads - 0.82 Infrastructure s- 0.10 Ha Other purpose (Stock yard, Safety Zone and others) - 14.636	Area for Mining-8.64Ha Waste dumps-1.26 Ha Occupied by plant, buildings, residential & Roads - 0.92 Ha Other purpose (Stock yard, Safety Zone and others) -13.90 Ha	As per the information furnished by mine management & latest drone survey data stabilized waste dump area is 1.26 Ha.
3p	Production of ROM mineral during the last five year period as applicable	2018-19:35,000 2019-20: 35,000 2020-21: 35,000 2021-22: 67,500 2022-23: 67,500 (In tons)	2018-19: 35,000 2019-20: 35,000 2020-21: 35,000 2021-22: 35000 2022-23: 67,490 (In tons)	--
3q	General remarks of inspecting officers on method of mining etc.			Mine workings carried out as per the proposals.

## 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.	No inactive OB Dump observed in the Mine.
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	NIL	

I/29363/2024

4c	Number of dumps within lease area and outside of lease area	WML- 01dump OML - NIL	WML- 01 dumps OML - NIL (Inactive)	Stabilized dump.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	1 OB dump (Inactive) is outside the UPL.	
4e	Number of active and alive dumps.	No proposal.	Nil.	Concurrent Back filling carried out in the worked-out Pit.
4f	Number of dead dumps.	1 Dead Dump (ID-1)	1 Dead Dump (ID-1)	Stabilized by plantation.
4g	Number of dumps established.	1 dead dump	1 dead dump stabilized.	Stabilized by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil.	GD and RW's are constructed as per the R & R Plan in the past.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	Completed as per proposal previously at the toe of Dead Dump ID TW3 - 300 m GD3 - 300 m (PMCP)
4j	Number of settling ponds	No proposal.	Nil.	2 No's of settling pond constructed outside lease the previous plan period.
4k	Specific comments of inspecting officer on waste dump management			There is no dumping proposal during the plan period.

---

**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.	Back filling Location N 1675159 - 1675222 E 656743- 656757.	Back filling Location N 1675159 -1675222 E 656743- 656757.	Back filling was done within the proposed limit.
5b	Area under backfilling of mined out area	0.084 Ha	0.084 Ha	

I/29363/2024

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	No generation of Top Soil.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	2.524 Ha. Area was covered under Backfilled & is in under progress. As per PMCP Report.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Concurrent Back filling carried out in the worked-out Pit.

## 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).	Annual report on PMCP to be submitted before 1st July of every year.	PMCP report is submitted on 14/07/2023.	-
6b	Area available for rehabilitation (ha) .	No proposal.	NIL	
6c	afforestation done (ha) .	0.29Ha	0.29Ha	Sapling carried out at Safety zone, Inactive dump, Gap filling.
6d	No. of saplings planted during the year	290 saplings proposed - Green Belt,	290 saplings planted.	Safety Zone: 290 saplings. OML - 20 saplings. Inactive dump: 20,
6e	Cumulative no .of plants	580	785 saplings in all.	Safety Zone: 615 Inactive dump: 170, OML - 95.
6f	Any other method of rehabilitation	No proposal.	NIL	
6g	Cost incurred on watch and care during the year	Rs. 14,500/-	Rs. 4,71,475/-	



I/29363/2024

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.084 Ha	0.084 Ha	60mtr (L) x 14mtr (W) x 3mtr (D)
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.084 Ha	0.084 Ha	Concurrent Back filling carried out.
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	290 saplings	310 saplings	Gap Plantation done in Safety Zone, Inactive dump area
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.29 Ha.	0.29 Ha.	Gap Plantation done in Safety zone.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	0.29Ha, 290 no's of saplings carried out.	Gap Plantation done in Safety Zone.

I/29363/2024

6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring proposed in buffer zone and core Zone.	Environmental monitoring is carried out by Cosmo conscious Research laboratory, Bellary for buffer zone and core Zone.	All the parameter are observed to be within the limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP work carried out as per proposal.

---

**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dry crushing & Screening.	Carried out as per proposal.	2 units of dry crushing & screening plants.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed for grade wise sorting of mineral.	Mechanical method adopted for grade wise sorting of mineral.	-
7c	Different grade of mineral sorted out at mines.	45-51% 51-55% 55-58% 58-60% 60-62% 62-65% Above 65%	51- 55 % Fe, 55-58% Fe, 62-65%Fe.	--
7d	Any beneficiation process at mines	No proposal.	Nil.	Only dry screen and crusher plant.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			2 units of dry crushing & screening plants is use for grade wise sorting of mineral.

---

**Environment :**

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

I/29363/2024

8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil.	No topsoil generated during the year 2022-23.
8b	Concurrent use or storage of topsoil	No proposal.	Nil.	No topsoil generation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil.	Concurrent backfilling done.
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)	17456 No's 290 No's (2022-23)	17766 No's 310 No's (plantation report)	Total 310 No's additional plantation on Inactive dump & Gap filling in Green belt area reported.
8g	Survival rate	50-60%	75%	--
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on haul road to control airborne dust.	Water sprinkling is carried out regularly to suppression airborne dust.	Capacity of water tanker - 12,000 ltr.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mine is good.

---

Compliance of Rule 45:

---

I/29363/2024

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns submitted up to April 2023 Annual Returns submitted up to 2021-22(30.06.2022)		A.R for the year 2022-23 on 30.06.2023 Submitted. M.R Submitted on 8.05.2023
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. G. Pompapathi - Mines Manager Sri. Sridhar M. bhat - Geologist	On the date of inspection following Technical Officers were present. Sri. G. Pompapathi - Mines Manager & Geologist - Sridhar M bhat	Appear to be correct.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings (O/C) - 8.114 Ha, Dumping- 1.05 Ha. Occupied by plant, buildings, residential, welfare buildings & Roads - 0.92 Ha Other purposes (Stockyard, safety zone and others) - 14.636Ha	Appear to be correct.	
9d	Scrutiny of Annual return on afforestation	290 saplings planted WML 20 saplings planted OML @75% survival rate.	Appear to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Appear to be correct.	

I/29363/2024

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: opening balance 64000 tons, Production:674 90 tons, Closing Stock 95490 tons.	Appear to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price: Lumps Rs. 4674.61/- per ton Fines Rs.1917.77/- per ton production cost: Rs. 788.38/- per ton	Appear to be correct.
9h	Scrutiny of Annual return on fixed assets	Rs 1025041/-	Appear to be correct.
9k	Scrutiny of Annual return on mining machineries	Wheel loader Volvo 3 cum - 1 No. Back Hoe 1.60 cum - 1 No. Tipper - 2 No's(16 T) Water Tanker 12000 ltr - 1 No. Crusher 200 T/H - 1 No.	Appear to be correct.

---

I/29363/2024

**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)	19/06/2023		14/08/2023		

**Date :****(GANGADHAR BHAKAT)**

Indian Bureau of Mines