

1/30479/2024

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : MAH/SDG/FE-42/GOA

Mine code : 30MSH28028

- (i) Name of the Inspecting : K07 ) KRISHNENDU CHATTERJEE  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/Shri Cletus T. D'Souza-Manager & R.K Chowbey-QP  
Official with  
Designation
- (iv) Date of Inspection : 09-NOV-23
- (v) Prev.inspection date : 04-MAY-22

PART-I : GENERAL INFORMATION

1. (a) Mine Name : TALAVANE
- (b) Registration NO. : IBM/6218/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : SINDHUDURG  
Village : SATARDA  
Taluka : SAWANTWADI  
Post office : SATARDA  
Pin Code : 416514  
FAX No. :  
E-mail :  
Phone : 02366 268272
- (f) Police Station :
- (g) First opening date : 13-DEC-17
- (h) Weekly day of rest : SUN
2. Address for : M/s Minerals & Metals  
correspondance : P.O.Redi Via Sawantawadi  
Dist: Sindhudurg. M.S
3. (a) Lease Number : MSH0091
- (b) Lease area : 191.85
- (c) Period of lease : 10
- (d) Date of Expiry : 16-FEB-06
4. Mineral worked : IRON ORE Main

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## 5. Name and Address of the

Lessee : MINERALS AND METALS  
32, ASHUTOSH, NEPEAN SEA  
ROAD, MUMBAI GREATER BOMBAY  
MAHARASHTRA  
Phone:  
FAX :

Owner : SANDEEP SRIVASTAVA  
NIRMAL, 16th Floor NARIMAN  
POINT GREATER BOMBAY  
MAHARASHTRA  
Phone: 022-22025893, 2  
FAX : 022-22854417

Agent : SHRI. SAKHARAM G. KAVATHANKAR  
AT & POST-KAVATHANI TALUKA-  
SAWANTWADI DISTRICT-  
SINDHUDURG, MAHARASHTRA  
SINDHUDURG MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	22-JUN-07
		Mining Scheme rule 12 MCDR1988	10-MAR-14
		MP modif under 17(3) MCR 2016	17-FEB-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal in F.Y 2022-23.	Nil	The mine was suspended by this office on 28.11.2021 till 08.02.2024.
1b	Exploration over lease area for geological axis 1 or 2	G1 proposed.	Area covered under G1: 26.05 Ha., Unexplored area: 27.06 Ha.	Area proved as Non-mineralized: 21.35 Ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 proposed.	Part of the ML area was explored under G1.	Block-III is remained unexplored.
1e	Balance reserve as on 01/04/20		1.12 million tonnes of Iron Ore (UNFC Cat. 111) Average Quality: 55.40% Fe	BLOCK-I 0.44 million tonnes & BLOCK-II 0.67 million tonnes.
1f	General remarks of inspecting officers on geology, exploration etc			26.05 Ha. of the ML area was explored by the lessee under G1 level by drilling with 115 nos. boreholes. The mine was suspended by this office dated 28.11.2021 which was subsequently revoked on 08.02.2024. Mine was under suspension during F.Y. 2022-23.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No proposal	Nil	Mine was under suspension during F.Y. 2022-23; further RMP document not submitted for F.Y 2022-23.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in ore and OB proposed.	Separate benches in ore and OB have been maintained.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			This mine was under suspension during F.Y. 2022-23; further RMP document not submitted for F.Y 2022-23. Last approved Modification of mining plan validity was from 2017-18 to 2021-22.

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	Nil	
3b	Quantity of ROM mineral production proposed	No proposal	Nil	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	

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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	Mechanised Mining proposal	Mechanised Mine	
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	No proposal	Nil	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil	
3m	Total area covered under excavation/pits	No proposal	14.95 Ha.	Actual excavation area furnished as per the approved RMP dated 12.01.2024.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	No proposal	Area under mining: 14.95 Ha Dumps: 7.97 Ha. Mineral storage: 2.09 Ha. Infrastructures & Road: 1.21 Ha.	Actual area furnished as per the approved RMP dated 12.01.2024.

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3p	Production of ROM mineral during the last five year period as applicable	2018-19: 198,750 2019-20: 199,500 2020-21: 199,500 2021-22: 157,500 2022-23: Lapsed period (in tonnes)	2018-19: 164,596 2019-20: 199,500 2020-21: 199,500 2021-22: 26,500 2022-23: Nil (in tonnes)
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3q General remarks of inspecting officers on method of mining etc.

Last approved Modification of mining plan validity was from 2017-18 to 2021-22. The mine was suspended by this office dated 28.11.2021 which was subsequently revoked on 08.02.2024. Mine was under suspension during F.Y. 2022-23.

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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	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	4 nos. of dumps present within the ML area.
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	04 nos.	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	

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4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	02 nos. of settling ponds constructed so far.	
4k	Specific comments of inspecting officer on waste dump management			Mine was under suspension during F.Y. 2022-23.

#### 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.			Mining operation was under suspension during F.Y. 2022-23.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No proposal	Not Submitted for F.Y. 2022-23.	The mine was suspended during the period.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil during 2022-23.	
6d	No. of saplings planted during the year	No proposal	Nil during 2022-23.	
6e	Cumulative no .of plants	No proposal	Apprx. 3500 nos. within the ML area.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	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	

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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)	Proposed.	Nil during 2022-23 as the mine was suspended.

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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mining operation was under suspension during F.Y. 2022-23.
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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)	No proposal.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Mine pit is not matured for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	No proposal.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed.	Apprx. 3500 nos. saplings planted in the ML area.	
8g	Survival rate	No proposal.	Not applicable.	
8h	Water sprinkling on roads to control airborne dust	No proposal.	No proposal.	

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mining area is good.
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**Compliance of Rule 45:**

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Delayed submission of Monthly Returns from April-2022 to March-2023 in F.Y 2022-23 and Delayed submission Annual Return of F.Y 2021-22.	Violations of Rule 45(5)(b) & 45(5) (c) were issued to the lessee on dated 28.06.2023. Lessee deposited penalty amount of Rs. 38.00 lakhs against rectification of this rule.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Govinda Srinivasa Reddy Mining Engineer: Shri Abhijeet Thakre Geologist: Shri. Viraj Kale	Manager: Shri Cletus T. D'Souza. Mining Engineer and Geologist were not found to be appointed as on date of inspection. Mining operation is not commenced.	Mining operation was under suspension on the date of inspection dated 09.11.2023. Notice of appointment of Mines Manager was submitted dated 14.06.2023.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished as Nil	Area under mining: 14.95 Ha Dumps: 7.97 Ha. Mineral storage: 2.09 Ha. Infrastructures & Road: 1.21 Ha..	Actual land use furnished as per the approved RMP dated 12.01.2024.
9d	Scrutiny of Annual return on afforestation	Nil	No plantation during 2022-23.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: 32,408 tonnes. Graded ore closing Stocks: 25,748.81 tonnes of Lumps and 69,250.611 tonnes of Fines.	Actual was also same at that time.	Violation letter issued on 22.04.2024.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale values of graded ore Lumps: 51% to below 55% Fe and 55% to below 58% Fe are furnished as 200.00 and Rs. 242.50 respectively	Only 519.91 tonnes of Lumps dispatch have been reported during 2022-23. Ex-Mine price is furnished incorrectly in the AR.	Violation letter issued on 22.04.2024.
9h	Scrutiny of Annual return on fixed assets	Furnished as Nil	Details not mentioned	Violation letter issued on 22.04.2024.
9k	Scrutiny of Annual return on mining machineries	Information are furnished as Nil.	No mining machineries were available in the ML area during the time of inspection.	

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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

Date :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines