

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : GOA/FEMN/138

Mine code : 40GOA02002

- (i) Name of the Inspecting : **R\$01**) **R.S.SAUDAGAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Ms Roshel Fernandes, TQP, Abhijit Pednekar, Geologist, S
Official with
Designation
- (iv) Date of Inspection : 09-FEB-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ZAMBLIDADGA DONGOR**
- (b) **Registration NO.** : **IBM/9250/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : GOA
District : SOUTH GOA
Village : CAUREM
Taluka : SANGUEM
Post office : QUEPEM
Pin Code :
FAX No. :
E-mail : zmbdmine@gmail.com
Phone : 982210465
- (f) Police Station : QUEPEM
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : VILL.: CAUREM, P.O. QUEPEM,
correspondance : TQ.: QUEPEM,
DIST.: SOUTH GOA, GOA.
3. (a) Lease Number : GOA0444
- (b) Lease area : 70.28
- (c) Period of lease : 20
- (d) Date of Expiry : 27-JUN-99
4. Mineral worked : IRON ORE Associated
MANGANESE ORE Main

5. Name and Address of the

Lessee : N. S. QUIRTORIM
 POST BOX NO. 284, MARGAO,
 GOA. SOUTH GOA GOA
 Phone:
 FAX :

Owner : Mrs Pradnya Zoivant Poi Cano (Power of Attorney)
 Mathura, H.No. 1153 Aquem,
 Alto ,Margao,Goa SOUTH GOA
 GOA
 Phone: 9822210465
 FAX :

Mining Engineer

Name : SRISH PAL, Full Time
 Qualification : B.Tech (Mining)
 Appointment/ : 08-FEB-22
 Termination date

Geologist

Name : Ms Roshel Fernandes, Full Time
 Qualification : M.Sc (Geologist)
 Appointment/ : 07-FEB-22
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	10-JUL-03
Plan/Scheme of Mining		Modif.approved Mining Scheme	22-JUN-07
		Mining Scheme rule 12 MCDR1988	04-MAY-10
		Mining Scheme rule 12 MCDR1988	05-DEC-12

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	The mine was non working from 1.08.2006.
1b	Exploration over lease area for geological axis 1 or 2	Nil	G1 : 1.6458 Ha and G2: 7.4793 Ha	Based on exploration carried out by drilling 14 bore holes from 2003 to 2005 G1 : 1.6458 Ha and G2: 7.4793 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	No proposal	Nil	As per RMP document approved on 14.03.2022, balance area to be explored is 20.6331 Ha
1e	Balance reserve as on 01/04/20		Iron Ore : 4.336 Million Tonnes , Manganese Ore 0.032156 Million Tonnes.	Reserve position as per approved RMP document dated 14.03.2022
1f	General remarks of inspecting officers on geology, exploration etc			So far 14 bore holes have been drilled from 2003 to 2005.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for 2020-21	Separate benches of 3M height & 3 m width 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			Mining Scheme was approved on 5.12.2012 for plan period 2012-13 to 2016-17. The Mining scheme tenure expired. Mine workings temporarily discontinued on 1.08.2006 for want of Environment & Forest clearance .State Govt granted extension of Mining Lease period from 13-12-1979 to 12-12-2029 for a term of 50 years on 4.01.2022.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal during 2020-21	Nil	
3b	Quantity of ROM mineral production proposed	No proposal during 2020-21	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	

3g	Grade of sub grade mineral generation	No proposal	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	
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 for 2020-21	1.52 Ha	As per recently approved RMP
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 covered under o/c workings 2.4 Ha, Area used for waste disposal : 2.0Ha	As per recently approved RMP
3p	Production of ROM mineral during the last five year period as applicable	2016-17 to 2020-21 : No proposal	2016-17 to 2020-21 : Nil Production	

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)	No proposal	Nil
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Five dumps.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	No proposal	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil
4j	Number of settling ponds	Nil	Nil

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 as the mine pits are not matured for backfilling.	
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

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 on or before 1st July every year.	Not submitted	As the mine was temporarily discontinued vide letter dated 2.08.2006, the PMCP in terms of MS/SG/GOA/FeMn-65-SZ dated 5.12.2012 was not undertaken.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	
6c	afforestation done (ha).	No Proposal	Nil	
6d	No. of saplings planted during the year	No Proposal	Nil	
6e	Cumulative no .of plants	No Proposal	Nil	Entire area comes under forest area having cashew plantation ,bushes ,jungle trees.
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable
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	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Not applicable

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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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

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 pits are not matured for backfilling	
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)	No proposal	Area comes under Forest Area.	
8h	Water sprinkling on roads to control airborne dust	No Proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mining area is good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		The mine is not working since 2.08.2006.Goa State Govt. renewed the lease up to 12-12-2029 vide Order No 96/51/99-Mines/1840 dated 4.01.2022. Subsequently party submitted Monthly Return for January 2022.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Lessee submitted the notices of appointment of Geologist & Mining Engineer on 7.02.2022	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The mine is not working since 2.08.2006.Goa State Govt. renewed the lease up to 12-12-2029 vide Order No 96/51/99-Mines/1840 dated 4.01.2022.	Nil	
9d	Scrutiny of Annual return on afforestation	NA	NA	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	Nil
9h	Scrutiny of Annual return on fixed assets	NA	Nil
9k	Scrutiny of Annual return on mining machineries	NA	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

Date :

(R.S.SAUDAGAR)

Indian Bureau of Mines