

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : GOA/FE/115

Mine code : 30GOA02015

- (i) Name of the Inspecting Officer and ID No. : **K02) KALMATA M.K.**
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : Mr.Prasanna kumar, Geologist
- (iv) Date of Inspection : 11-AUG-17
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ANVALIMOLA**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : GOA
- District : SOUTH GOA
- Village : PATIEM & TUDOU
- Taluka : SANGUEM
- Post office : UGUEM
- Pin Code : 403601
- FAX No. : 0832-2738826
- E-mail : rsgharse@yahoo.in
- Phone : 08322731036
- (f) Police Station : SANGUEM
- (g) First opening date : 01-JAN-57
- (h) Weekly day of rest : SUN
2. Address for correspondance : VILLAGE: TOLLEM, TQ: SANGUEM
DIST: SOUTH GOA
GOA
3. (a) Lease Number : GOA0108
- (b) Lease area : 100
- (c) Period of lease :
- (d) Date of Expiry : 22-NOV-27
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : KUNDA R. GHARSE
 P.B.No.204, Kadar Manzil,
 Near Municipal
 Building, Margao SOUTH GOA
 GOA
 Phone:
 FAX :

Owner : Smt. Kunda R. Gharse
 Post Box No. 204 Kadar
 Manzil, Near Municipal
 Building Margao, SOUTH GOA
 GOA
 Phone: (0832) 731036/7
 FAX : 738826

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	10-OCT-07
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	08-FEB-11
	:	MP modif under MCR 1960	19-NOV-15
	:	MP modif under 17(3) MCR 2016	30-AUG-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The mine is not working area to be explored is below the old dump so no exploration is proposed in the present plan period.
1e	Balance reserve as on 01/04/20		In '000' tons Reserves- 1783 Resources- 548	
1f	General remarks of inspecting officers on geology, exploration etc		About 35 to 40ha is explored so far and no exploration is proposed in the present plan period since mine is not working and area to be explored is below the old dump. Exploration can not be taken with out shifting dump.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed b/w co-ordinates- N-1684500 to N-1684600 and E-415300 to E-415500	Nil	Mine is not working
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	Nil	Mine is not working

2c	Stripping ratio or ore to OB ratio	1:7.0	Nil	Mine is not working
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	29240	Nil	Mine is not working
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The proposed development has been not carried out since the mine is not working due to the mine is within 1.00km from the wild life sanctuary and the matter is yet to be decided by Hon'ble supreme Court and EC is kept in abeyance.	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	Nil	Mine is not working
3b	Quantity of ROM mineral production proposed	10000 tons	Nil	Mine is not working
3c	Recovery of sailable/usable mineral from ROM production		Nil	
3d	Quantity of mineral reject generation	Nil	Nil	Mine is not working
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Yes	No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	Mine is not working
3m	Total area covered under excavation/pits		Nil in the present plan period .	Total area covered under pits is about 43.47Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:7	Nil	
3o	Total area put in use under different heads at the end of year		Nil in the present plan period	Area under mining- 43.47 ha, waste dump-3.00ha, tailing-9.00ha, Roads-1.00ha and infrastructure- 1.46ha.
3p	Production of ROM mineral during the last five year period as applicable	It was proposed to produce 10000 ton per annum from 2015-16 to 2017-18.	Nil	The mine not working and no production is carried out.
3q	General remarks of inspecting officers on method of mining etc.		The th mine is not working due to the mine is within 1.00km from the wild life sanctuary and the matter is yet to be decided by Hon'ble supreme Court and EC is kept in abeyance.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	No	Mine is not working
4b	Location of topsoil, OB and mineral reject dumps	N-1684520 to N-1684620 and E-415620 to E-415730	Nil	Mine is not working.
4c	Number of dumps within lease area and outside of lease area	One	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	Nil	
4e	Number of active and alive dumps.	One	Nil	
4f	Number of dead dumps.		Two old dumps	
4g	Number of dumps established.		Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management		The mine is not working and no dump is formed in the present 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.	Not proposed	Nil	

5b	Area under backfilling of mined out area	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No backfilling was proposed in the present plan period.

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).		Lessee has submitted report on PMCP upto 2015-16.	The mine is not working and PMCP for the year 2016-17 is not submitted.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants		NA	
6f	Any other method of rehabilitation	Nil	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	Nil	Nil	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Since the mine was not working no proposals were made under PMCP in the present plan period.
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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	No	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Nil	
7c	Different grade of mineral sorted out at mines.	Yes	Nil	
7d	Any beneficiation process at mines .		Nil	Mine is not working
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mine is not working.	

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		NA
8g	Survival rate	Nil	Nil
8h	Water sprinkling on roads to control airborne dust	yes	No
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Mine is not working and vegetation was observed in the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annual returns.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No mining engineer was shown and geologist was shown as Mr.Prasanna kumar.	Mr. Prasanna kumar is the geologist of the said mine.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-32.40Ha, Reclaimed area-11.70 ha, dumps-3.00ha	Almost matching	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Some quantity of ore was observed in the mines which was declared by the lessee to state Government.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Mine is not working and no production and despatch is taken place.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	

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
Rule 27(2)	22-AUG-17	19-SEP-17			

Date :

(KALMATA M.K.)

Indian Bureau of Mines