

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : MAH/KLP/Bx-6/Goa

Mine code : 07MSH13010

- (i) Name of the Inspecting : **VT01**) **VIDYADHAR V.TARI**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI. RAMDAS D.PATIL, I/C WEST COAST MINES, I.M.MAK
Official with
Designation
- (iv) Date of Inspection : 08-MAR-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MEGALGAD**
- (b) **Registration NO.** : **IBM/935/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : KOLHAPUR
Village : KITWAD
Taluka : CHANDGAD
Post office :
Pin Code :
FAX No. : 02320-215301
E-mail : mainak_c@adityabirla.com
Phone : 02320-202072
- (f) Police Station : Chandgad
- (g) First opening date : 21-MAY-68
- (h) Weekly day of rest : SUN
2. Address for :
correspondance :
3. (a) Lease Number : MSH0134
(b) Lease area : 41.94
(c) Period of lease : 30
(d) Date of Expiry : 20-MAY-98
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : HINDALCO INDUSTRIES LIMITED
 Ahura Centre, 1st Floor, B
 wing, MC Rd Andheri
 (East), Mumbai MAHARASHTRA
 MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone: 022-66917000
 FAX : 022-66907001

Owner : A.K.AGARWALA
 AHURA CENTRE, 1ST FLOOR, B
 WING, MC ROAD, ANDHERI
 (EAST), MUMBAI MAHARASHTRA
 MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone: 022-66917000
 FAX : 022-66907001

Agent : RAMDAS D. PATIL
 POST- RADHANAGARI, TALUKA-
 RADHANAGARI, DISTRICT-
 KOLHAPUR, MAHARASHTRA
 KOLHAPUR MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	18-MAR-03
Plan/Scheme of Mining		MP modif under MCR 1960	16-NOV-11
		MP modif under 17(3) MCR 2016	13-MAY-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	It is reported that 20 BH's were drilled in the retained lease area to a total meterage of 102 mts. during 1964-65
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal is given during the year 2020-21.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during 2020-21	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		Total Reserves of Bauxite is 0.491 million Tonnes	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc			Mining Lease area is explored by drilling 20 BH's to a total meterage of 102 mts. The mining operations is not yet started since the lessee is awaiting for Stage-II Forest Clearance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed bet'n Grid lines 486W-704W & 101S-78N.	Nil	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Nil	Bauxite Ore is exposed on the surface and there is no overburden on the entire plateau.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil during 2020-21	Nil during 2020-21	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mining operations is not yet started since the lessee is awaiting for Stage-II Forest Clearance.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Nil	
3b	Quantity of ROM mineral production proposed	59745.30 tonnes	Nil	
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	Nil	

3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
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	Proposed	Nil
3k	Provision of mining machineries in mineral benches	Yes	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil
3m	Total area covered under excavation/pits	0.976 Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Area under excavation- 5.87 ha, Green Belt-1.22 Ha. and Area remained untouched-0.41 Ha. at the end of plan period (2020-21)	Nil

3p	Production of ROM mineral during the last five year period as applicable	16-17 = 99822.39 Tonnes 17-18 = 99999.98 Tonnes 18-19 = 99999.95 Tonnes 19-20 = 100000 Tonnes 20-21 = 59745.29 Tonnes	16-17 = Nil 17-18 = Nil 18-19 = Nil 19-20 = Nil 20-21 = Nil	Mining operations is not commenced sofar
3q	General remarks of inspecting officers on method of mining etc.			The mining operations is not yet started since the lessee is awaiting for Stage-II Forest Clearance.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	Nil	
4c	Number of dumps within lease area and outside of lease area	Not proposed	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	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	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			The mining operations is not yet started since the lessee is awaiting for Stage-II Forest Clearance. However, Bauxite Ore is exposed on the surface and there is no overburden on the entire plateau.

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.	Proposed	Nil	The mining operations are yet to be started.
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	4.39 Ha.	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	The mining operations are yet to be started.
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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).	Before 1st July every year	The mining operations are not yet commenced.	
6b	Area available for rehabilitation (ha) .	1.22 Ha.	Nil	
6c	afforestation done (ha).	4.39 Ha.	Nil	
6d	No. of saplings planted during the year	Proposed 1354 saplings	Nil	
6e	Cumulative no .of plants	4875 saplings	Nil	
6f	Any other method of rehabilitation	No proposal	Not Applicable	
6g	Cost incurred on watch and care during the year	Rs.2,00,000/-	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 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	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.			The mining operations are not yet commenced.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mineral dispatch is proposed from mine.	Nil	Entire ROM is proposed to utilize for captive purpose.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Nil	
7c	Different grade of mineral sorted out at mines.	Not proposed	Nil	
7d	Any beneficiation process at mines	No Proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM (average grade of ore Al ₂ O ₃ - 47.96% & SiO ₂ - 7.99%) is proposed to utilize for captive purpose. However, mining operations are not yet commenced.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	During Plan period there is no generation of topsoil.
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	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)	Reclamation of mined out pits/land by plantation is proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	Nil	
8g	Survival rate	Not specified	Nil	
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mining operations are not yet commenced. Overall aesthetic beauty around the mining area is good.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Mining operation is not yet started since the lessee is awaiting for Stage-II Forest Clearance	Compliance of Rule 45 is not applicable as of now.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil		

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil
9d	Scrutiny of Annual return on afforestation	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil
9h	Scrutiny of Annual return on fixed assets	Nil
9k	Scrutiny of Annual return on mining machineries	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

Date :

(VIDYADHAR V.TARI)

Indian Bureau of Mines