

MCDR INSPECTION REPORT**General**

SN	Particulars	Details
	Date of Inspection	07.06.2016
1	Name of the Mine	Dighori Sillimanite mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	14.33 H.R Non-Forest
3	Minecode	Dighori-33 MSH05021
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/7256/2011
5	Name of the lessee, Address, phone, email and fax number	Pradip H. Golchha, Civil Line, Nagpur.
6	Village	Dighori (Mothi)
7	Taluka/Mandal	Lakhandur
8	District	Bhandara
9	Pincode	441805
10	State	Maharashtra
11	Post office	Dighori (Mothi)
12	Nearest police station	Dighori (Mothi)
13	Nearest Railway station	Morgaon Arjuni
14	Date of Grant of Mining Lease	11 / 08 / 2000
15	Date of Execution	29 / 12 / 2000
16	Date of opening of Mine	01 / 03 / 2001
17	Date of first Renewal, if applicable and its period & expiry	-
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Pradip H. Golchha
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Vinod Kewalram Bhujade, Apna Nagar, Takiya ward, Bhandara- 441904 vinodbhujade@yahoo.co.in DOA-20 / 06 / 2005,
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Vinod K. Bhujade
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Vinod K. Bhujade, BE (Mining)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	BHD / KYA / MPLN-715/ NGP Date : 23 / 07 / 2012
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	23 / 07 / 2012
27	Mineral(s) granted in lease and proved for mining	Sillimanite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Manual Open cast
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Four Bore Holes	Four Bore Holes	
1b	Exploration over lease area for Geological axis 1 or 2.	Axis – 1	-	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	2,00,000/-	2,50,000/-	Surya Drilling & Co. Morgoan Arjuni
1d	Balance area to be explored to bring Geological axis in 1 or 2	-Nil-	-	-
1e	Balance reserves as on 01.04.20...	15869 M.T.	33,057 M.T.	Mining Operation Closed due to Environment clearance
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Existing Pit	Existing Pit	In the North-ern part of mine
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	3m x 3m in Top Soil 6m x 7.5m O.B.	2.5m x 3m Top Soil 6m x 6m O.B.	
2c	Stripping ratio or ore to OB ratio	-	-	-
2d	Quantity of topsoil generation in m3	560	700	
2e	Quantity of overburden generation in m3	95,900	12300	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil	Nil	

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed (2011-16)	21,262	1120	Mine Closed
3c	Recovery of salable/usable mineral from ROM production	70%	861	-do-
3d	Quantity of mineral reject generation	3,000	340	-do-
3e	Grade of mineral reject generation and threshold value declared	Below 30 % Al ₂ O ₃	-do-	
3f	Quantity of sub-grade mineral generation	5400 m ³	1722 m ³	
3g	Grade of sub-grade mineral generation	30% to 40% Al ₂ O ₃	30% to 40% Al ₂ O ₃	
3h	Manual / Mechanised method adopted for segregating from ROM	Breaking, Chipping & Sorting	Manual Breaking & Chipping	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Shot Hole 32mm x 1200mm	Shot Hole 32mm x 1400mm	
3k	Provision of mining machineries in mineral benches	Shot hole jack Hammer &	Shothole jack Hammer &	

SN	Item	Proposals	Actual work	Remarks
		Compressor	Compressor	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	18560 m3	2400 m3	
3n	Ore to OB ratio for the pit/mine during the year	1 : 14 Road – 0.5660 Pit – 1.8560	1 : 10 0.5660 1.5200	
3o	Total area put in use under different heads at the end of year	OB Dump- 1.262 M.S -0.15 Office- In/St. 0.67 21,	1.1320 0.15 0.67	
3p	Production of ROM mineral during last five-year period, as applicable	262M3	1120 m3	Mine closed
3q	General remarks of inspecting officer on method of mining etc.	Nil	Nil	

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Separately Stacks	
4b	Location of topsoil, OB & mineral reject dumps	Northern Side & Eastern Side	Northern Side	
4c	Number of dumps within lease area and outside lease area	Northern Side Over existing dump	Northern Side	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	North of L.13		
4e	Number of active & alive dumps	One	One	Northern Side of ML
4f	Number of dead dumps	Four Dumps	Four no.	
4g	Number of dumps stabilised	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	-	-	
4j	Number of settling ponds	Not Proposed	-	
4k	Specific comments of inspecting officer on waste dump management	nil		

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling			
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)		Not Proposed Hence Not carried out.	
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil	Nil	

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	yes	-	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	0.1125 125 Not proposed - -	N.A as the mine is mostly closed 0.1000 100 - - Rs18,000/-	-
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not Applicable		
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)			
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	-	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-	-	
7c	Different grade of mineral sorted out at mines	-	Above 40% Al ₂ O ₃ 20 % to 40% Al ₂ O ₃	
7d	Any beneficiation process at mines	-	-	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	-	-	

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Done	
8b	Concurrent use or storage of topsoil	Yes	Done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Done	

SN	Item	Proposals	Actual work	Remarks
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	N.A	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	N.A	
8f	Baseline information on existence of plantation & additional plantation	Exist 30 Plants Proposed 125 plants	50 100	
8g	Survival rate	30%	50%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto March 2016 A.R. submitted upto March 2016	

SN	Item	Details given in A.R.	Ob -+servation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		
9d	Scrutiny of Annual return on afforestation	Yes		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity) (2015-2016)	35MT		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value – 2294 production cost 905		
9i	Scrutiny of Annual return on fixed assets	Yes		
9k	Scrutiny of Annual return on mining machineries	Yes		

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Violation of rule 12(3) and rule 23F of MCDR 1988 for non-submission of the Scheme of mining and financial assurance respectively found violated and communicated to the party vide letter no. /BHD/KYN-22/NGP , Nagpur, dt. 29.06.2016.

Nagpur

17.07.2016

(S.M.Dorle)
Asst. Mining Engineer
(Name of inspecting officer
with designation and date)