

MCDR INSPECTION REPORT

General

SN	Particulars	Details
	Date of Inspection	08.06.2016
1	Name of the Mine	Pavri (Jamdi Girola) Kyanite Sillimanite Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	6.55 ha
3	Minecode	33MSH05011
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/863/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Pavri Kyanite Mines A-1 Indra, Sagar, Ravindranath Taigore Marg, Civil Line, Nagpur-440001 0712-2550689, 2550626
6	Village	Jamdi
7	Taluka/Mandal	Sakoli
8	District	Bhandara
9	Pincode	441802
10	State	Maharashhi
11	Post office	Sakoli
12	Nearest police station	Sakoli
13	Nearest Railway station	Sondad
14	Date of Grant of Mining Lease	29/12/2012 for 20 years
15	Date of Execution	11.01.2001
16	Date of opening of Mine	-
17	Date of first Renewal, if applicable and its period & expiry	Initially mining lease was granted for the period of 20 years from 24. 10.1969 to 23.10.1989 and it was further renewed for a period of 2 years from 18.12.1992 to 17.12. 1994 on application of renewal of mining lease, initially the govt. of Maharashtra granted renewal for the period of 20 years over an area of 10.20 ha. However the govt. of Maharashtra issued corrigendum letter dated 11.10.2010 reducing the period of lease to 10 years from 22.08.2000 to 21.08.2010 and the area of mining lease to 6.5589 Ha. Earlier lease was held by Shri H.M. Pavri and was transferred in the name of M/s Pavri Kynite Mines Nagpur on dated 11.01.2001
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	-
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri M. Kannan c/o Kiven Hotel, Sakoli
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Rajnikanth 01-01-2013
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri R.Y Kutumbe B.Sc (Mining Eng) 01-01-2013
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-

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-33/Mg 23/05/2011 (2010-11 to 2014-15)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	BHD/KYA/MPLN-33/NGP ,dated 16.08.2015 2015-16 to 2019-20
27	Mineral(s) granted in lease and proved for mining	Kyanite/sillimanite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Semi-mechanised
30	Captive/Non Captive	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			
1b	Exploration over lease area for Geological axis 1 or 2.	5 no. of Boreholes	As per proposal	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	
1e	Balance reserves as on 01.04.2015		Sillimanite – 5,03,200MT Kynite – 2,15,657MT	
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	Eastern Side	As per Proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Bench of 1.5- 2m height	-do-	
2c	Stripping ratio or ore to OB ratio			
2d	Quantity of topsoil generation in m3	No topsoil	Nil	
2e	Quantity of overburden generation in m3 2015-16		5706 m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	nil		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	20,000 MT	7992 MT	
3c	Recovery of salable/usable mineral from ROM production	-	-	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	-	-	
3f	Quantity of sub-grade mineral generation	Nil	Nil	

SN	Item	Proposals	Actual work	Remarks
3g	Grade of sub-grade mineral generation			
3h	Manual / Mechanised method adopted for segregating from ROM	-	N/A	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	-	-	
3j	Provision of drilling & blasting in mineral benches	1.5m Length drilling & Blasting	2'-5'' deep hole	
3k	Provision of mining machineries in mineral benches	Compressor Jackhammer	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-	Yes	
3m	Total area covered under excavation/pits	-	One ha.	
3n	Ore to OB ratio for the pit/mine during the year	-	Ore 100% in	
3o	Total area put in use under different heads at the end of year	-	Mining 1 hect.	
3p	Production of ROM mineral during last five-year period, as applicable	-	yes	
3q	General remarks of inspecting officer on method of mining etc.	nil		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside lease area		One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	Within ultimate pit limit	
4e	Number of active & alive dumps	-	Nil	
4f	Number of dead dumps	One	One	
4g	Number of dumps stabilised	Nil	One	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Yes	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	-	
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	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule	Nil	Nil	

	32)			
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No backfilling started		

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.	Nil	Nil	
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	Nil	500 Teak Plants planted on 14-7-2015	
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	Nil	N/A N/A	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	N/A	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Complied	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	No backfilling yet to be started		

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		Manual	
7c	Different grade of mineral sorted out at mines		Sillimanite- 40% Kyanite 45%	
7d	Any beneficiation process at mines		Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	-	-	
8b	Concurrent use or storage of topsoil	-	-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-	-	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-		
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	-	
8f	Baseline information on existence of plantation & additional plantation	-	-	
8g	Survival rate	-	-	
8h	Water sprinkling on roads to control airborne dust	-	Using Tanker for water sprinkling on roads occasionally	
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 2014-15	

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Most of the columns of Annual and monthly return are filled correctly No Mining Engineer or Geologist presently appointed.	-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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

violation of rule 42 of MCDR 1988 is found violated during inspection and communicated to the party vide letter No. MAH/BHD/KYA-3/NGP, dt. 26.10.2016.

26.1.2016

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