

**MCDR INSPECTION
REPORT**

General

SN	Particulars	Details
	Date of Inspection	5/7/2018
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)	Mechanised
30	Captive/Non Captive	Non - captive

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	nil	nil	
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	M/S Bhimraj Jagnit, Ravinagar , Kamptee , Nagpur Rs 525000=00		
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	only at deeper level deposit is to be proved.
1e	Balance reserves as on 01.04.2018		Sillimanite – 5,03,200MT Kyanite – 2,15,657MT	
1f	General remarks of inspecting officer on geology, exploration etc.	Along the strike orebody has been already proved. Few boreholes are to be drilled to prove the ore body at deeper level.		

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 4-6m height	yes	
2c	Stripping ratio or ore to OB ratio	1:0.89		
2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3 2017-18	8143m3	4166m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The OB quantity were less due to less production and the production was restricted under the EC limit.		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	19320T	7983T	
3c	Recovery of salable/usable mineral from ROM production	100%	yes	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	nil	nil	
3f	Quantity of sub-grade mineral generation	nil	nil	

SN	Item	Proposals	Actual work	Remarks
3g	Grade of sub-grade mineral generation	nil	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	nil	nil	
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	yes	yes	
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	1.5104ha	yes	
3n	Ore to OB ratio for the pit/mine during the year	Ore 100%		
3o	Total area put in use under different heads at the end of year	2.50ha	yes	
3p	Production of ROM mineral during last five-year period, as applicable	2013-14 13258 T 2014-15 12580 T 2015-16 20048T 2016-17 30948 T 2017-18 19320 T	8082 T 8008T 7992T 7983 T 7983T	
3q	General remarks of inspecting officer on method of mining etc.	The mining is being carried out by opencast mechanized method.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	yes	yes	
4b	Location of topsoil, OB & mineral reject dumps	SW	Yes , but some parts of dumps are observed outside the lease boundary also	violation/ show cause issued under 11(2)
4c	Number of dumps within lease area and outside lease area	2	2	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NE and SW	As per proposal	
4e	Number of active & alive dumps	2		
4f	Number of dead dumps	3		
4g	Number of dumps stabilised	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 dump	nil	nil	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management	Proper garland drain is made at the toe of dumps earlier. Only maintenance I s carried out from time to time.		

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

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	600 Teak Plants planted on till date	
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	nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Complied		
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	There is no proposal for reclamation and rehabilitation by back filling of worked out pits during the ensuing scheme period.		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatched for beneficiation and grinding		
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual		
7c	Different grade of mineral sorted out at mines	Sillimanite- 40% Kyamite 45%		
7d	Any beneficiation process at mines	Nil		
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The ore raised from mine is taken to beneficiation unit for grinding. Where beneficiation and separation is conducted and is upgraded for consumption use.		

Environment

SN	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)	2	2	
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 & additional plantation	nil	100 nos	
8g	Survival rate	nil	60	
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	To keep the aesthetic beauty plantation is done and by sprinkling of water on mine road.		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto July 2018 A.R. submitted upto 2017-18	

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

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

A) Status of Violation of earlier inspection nil

B) Fresh violation/show cause issued under Rule 11(2) and 55 of MCDR 2017

KEWAL KRISHAN

Sr. Mining Geologist
(Name of inspecting officer with designation and date)

