

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/BHD/KYA-23/NGP

Mine code : 33MSH05022

- (i) Name of the Inspecting : **S123**) **A.K. PATEL**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Dilip Deshmukh manager account, Shri Mukesh Parma
Official with
Designation
- (iv) Date of Inspection : 06-Sep-21
- (v) Prev.inspection date : 23-Jan-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PAVRI KYANITE MINE(SAKRA)**
- (b) **Registration NO.** : **IBM/863/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MAHARASHTRA
District : BHANDARA
Village : SAKHARA
Taluka : LAKHANDUR
Post office : DIGHORI (MOTHI)
Pin Code :
FAX No. : NIL
E-mail : NIL
Phone : 0712 - 526378
- (f) Police Station : LAKHANDUR
- (g) First opening date : 15-Apr-70
- (h) Weekly day of rest : SUN
2. Address for : SALPEKAR BUILDING,
correspondance RANI JHANSI SQUARE,
SITABULDI, NAGPUR-440012
3. (a) Lease Number : MSH0297
- (b) Lease area : 11.35
- (c) Period of lease : 50
- (d) Date of Expiry : 01-Oct-51
4. Mineral worked : SILLIMANITE Associated
KYANITE Main

5. Name and Address of the

Lessee : SHRI H. M. PAVRI
 SALPEKAR BUILDING, RANI
 JHANSI SQUARE,
 SITABULDI, NAGPUR-440012
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

Owner : Naushad Bhagwagar
 Paim Road , Civil Lines
 NAGPUR MAHARASHTRA
 Phone: 942280218
 FAX :

Agent : SHRI M. KANNAN
 C/O KIRAN HOTEL SAKOLI,
 DISTT. BHANDARA BHANDARA
 MAHARASHTRA
 Phone:
 FAX :

Mining Engineer

Name : Kumbhe R.Y., Part Time
 Qualification : B.E.Mining
 Appointment/ :
 Termination date

Mining Engineer

Name : SHRI DIPAK RAHANGDALE, Full Time
 Qualification : DIPLOMA IN MINING & MINE SURVEYING
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	04-Oct-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	21-Sep-06
	:	Mining Scheme rule 12 MCDR1988	08-Oct-13
	:	MP modif under MCR 1960	09-Sep-16
	:	MP review under 17(1) MCR 2016	08-Mar-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	ALREADY CARRIED OUT BEFORE 2016-17 & 2019-20
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	ALREADY CARRIED OUT BEFORE 2016-17 & 2019-20
1d	Balance area to be explored to bring Geological axis in 1 or 2	EXPLORATION PROPOSED IN 204-25	WILL BE CARRIUD AS PER MINING PLAN	AS PER ABOVE
1e	Balance reserve as on 01/04/20	105269T	104369T	YES
1f	General remarks of inspecting officers on geology, exploration etc	AS PER MINING PLAN	YES	TARGATE TO BE ACHIVED

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NORTHEN EXTENTION OF PIT 4	PIT IS FILLED WITH WATER	PIT IS FILLED WITH WATER
2c	Stripping ratio or ore to OB ratio	1:11:67	--	---
2d	Quantity of topsoil generation in m3	13040 (UP TO MARCH 2022)	900 MT (UP TO AUG 2021)	YES
2e	Quantity of overburden generation in m3	32439 UP TO MARCH 2022	900MT (UP TO AUG 2021)	TO BE ACHIVED
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	AS PER MINING PLAN	NOT ACHIVED DUE TO LACK OF FUND	AS ABOVE TO BE achived

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	yes
3b	Quantity of ROM mineral production proposed	3898 T (up to March 2022)	--	--
3c	Recovery of sailable/usable mineral from ROM production	3898 T (Up to march)	--	yes
3d	Quantity of mineral reject generation	nil	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	--	--	--
3f	Quantity of sub grade mineral generation.	--	--	--
3g	Grade of sub grade mineral generation	--	--	--
3h	Manual / Mechanised method adopted for segregating from ROM	Mannual/Mechanized	Mannual/Mechanized	Yes
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	Not Applicable
3j	Provision of drilling and blasting in mineral benches	32 mm dia JH	32 mm dia JH	YES
3k	Provision of mining machineries in mineral benches	EXCAVATOR DUMPER	EXCAVATOR DUMPER	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3M	3M	PIT FILLED WITH RAIN WATER

3m	Total area covered under excavation/pits	1.589ha	-	PIT FILLED WITH RAIN WATWR
3n	Ore to OB ratio for the pit/mine during the year.	1:11:67	1:11:67	YES
3o	Total area put in use under different heads at the end of year	4.919 Ha (up to March 2022)	--	--
3p	Production of ROM mineral during the last five year period as applicable	61320 T	26572 UP TO MARCH	YES
3q	General remarks of inspecting officers on method of mining etc.	OPEN CAST MINING	OPEN CAST MINING	PIT IS FILLED WITH RAIN WATER

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	given	Compiled	yes
4b	Location of topsoil, OB and mineral reject dumps	Northen side	Northen side	yes
4c	Number of dumps within lease area and outside of lease area	7 nos.	7 nos.	yes
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northen side	Northen side	yes
4e	Number of active and alive dumps.	7 nos	7 nos	yes
4f	Number of dead dumps.	nil	nil	nil
4g	Number of dumps established.	nil	nil	yes

4h	Whether Retaining wall or garland drain all along dumps are there.	--	--	--
4i	Length of Retaining wall or garland drain all along dumps	--	--	--
4j	Number of settling ponds	--	--	--
4k	Specific comments of inspecting officer on waste dump management	as per mining plan	yes	yes

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.	No proposal	not carried out	yes
5b	Area under backfilling of mined out area	No proposal	not carried out	yes
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	not carried out	yes
5d	Total area fully reclaimed and rehabilitated	no proposal	not carried out	yes
5e	General remarks of inspecting officers on backfilling and reclamation etc.	no proposal	not carried out	No proposal

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Asper mining plan	given	submitted
6b	Area available for rehabilitation (ha) .	No proposal	Not carried out	No proposal
6c	afforestation done (ha).	No proposal	Not carried out	No proposal
6d	No. of saplings planted during the year	No proposal	Not carried out	No proposal
6e	Cumulative no .of plants	As per mining plan	done but not survived	is to be done more plantation
6f	Any other method of rehabilitation	No proposal	Not carried out	No proposal
6g	Cost incurred on watch and care during the year	No proposal	Not carried out	No proposal
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not carried out	No proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not carried out	No proposal
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not carried out	No proposal
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not carried out	No proposal

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not carried out	No proposal
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not carried out	No proposal
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not carried out	No proposal
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not carried out	No proposal
6p	Compliance of environmental monitoring (core zone and buffer zone)	--	--	--
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal	Not carried out	No proposal

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal Not carried out	Not carried out	No proposal Not carried out
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal Not carried out	Not carried out	No proposal Not carried out
7c	Different grade of mineral sorted out at mines.	No proposal Not carried out	Not carried out	No proposal Not carried out

7d	Any beneficiation process at mines	No proposal Not carried out	Not carried out	No proposal carried out	Not
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal Not carried out	Not carried out	No proposal carried out	Not

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks	
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	carried out	yes	
8b	Concurrent use or storage of topsoil	Use for plantation	Carried out	yes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	carried out	carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal Not carried out	Not carried out	No proposal carried out	Not
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal Not carried out	Not carried out	No proposal carried out	Not
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	as per mining planm	5453 sq mtr area covered during 2021-22	as above	
8g	Survival rate	--	--	--	

8h	Water sprinkling on roads to control airborne dust	proposed	carried out	carried out
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	as per mining plan	actual	carried out

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R.SUBMITTED UP TO AUGUST 2021-22 A.R. SUBMITTED UP TO 2020-21	SUBMITTED	YES
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AS PER AR	NOT PRESENT	DURING INSPECTION NOT PRESENT
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AS PER AR	AS PER AR	AS PER AR
9d	Scrutiny of Annual return on afforestation	AS PER MINING PLAN	NOT DONE AS PER TARGAT	IS TO BE DONE
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	--	--	--
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AS PER AR	AS PER AR Rs.1187/-	yes
9h	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 violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 12(4)	28-Sep-21			
MCDR17	Rule 55(1)(3)	28-Sep-21			

Date :

(A.K. PATEL)

Indian Bureau of Mines