

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/BHD/KYA-10/NGP

Mine code : 33MSH05020

- (i) Name of the Inspecting : **S123**) **A.K. PATEL**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Sonpipre Geologist M/s MSMC Ltd. & Shri Uttam Kh
Official with
Designation
- (iv) Date of Inspection : 17-Sep-21
- (v) Prev.inspection date : 17-Jan-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAVARGAON CHOWA**
- (b) **Registration NO.** : **IBM/5319/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : BHANDARA
- Village : NAVARGAON
- Taluka : BHANDARA
- Post office : PAHELA
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 522875 (M.D.), 526419, 53310
- (f) Police Station :
- (g) First opening date : 15-Apr-77
- (h) Weekly day of rest : SUN
2. Address for : 5, ABHYANKAR NAGAR,
correspondance P. B. NO. 351,
DISST. NAGPUR-440010 (M. S.)
3. (a) Lease Number : MSH0146
- (b) Lease area : 40.61
- (c) Period of lease : 40
- (d) Date of Expiry : 28-Jun-27
4. Mineral worked : KYANITE Main

5. Name and Address of the

Lessee : M/s Maharashtra State Mining Corporation
5, Abhyankar Nagar Nagpur -
10 NAGPUR MAHARASHTRA
Phone:
FAX :

Mining Engineer

Name : M.B. TUPEKAR, Full Time
Qualification : DIPLOMA IN MINING & MINE SURVEYING + 2ND
Appointment/ : 20-Jan-05
Termination date

6. Date of approval of Mining : Existing rule 11 MCDR1988 18-Nov-05
Plan/Scheme of Mining : Renewal under rule 24 MCR1960 18-Jan-13
MP review under 17(1) MCR 2016 13-Oct-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 boreholes	Not done	due to lack of fund
1b	Exploration over lease area for geological axis 1 or 2	--	--	--
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	--	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	--	--
1e	Balance reserve as on 01/04/20	--	--	--
1f	General remarks of inspecting officers on geology, exploration etc	--	--	due to lack of fund no exploration is done

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Towards hanging wall side towards western side	yes	Rain water filled in pit
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	Rain water filled in water
2c	Stripping ratio or ore to OB ratio	1:1:78	-	Rain water filled in pit
2d	Quantity of topsoil generation in m3	0	0	yes
2e	Quantity of overburden generation in m3	9176 cubic meter	1264 tonnes	yes

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per mining plan	Rain water filled in pit	Rain water filled in pit
----	---	--------------------	--------------------------	--------------------------

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	-----	-----
3b	Quantity of ROM mineral production proposed	4996 per Annum	yes	done as per proposal
3c	Recovery of sailable/usable mineral from ROM production	7137.41 Cum	yes	yes
3d	Quantity of mineral reject generation	1784.34	yes	yes
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	---	---	---
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	no	--	---
3j	Provision of drilling and blasting in mineral benches	--	--	--

3k	Provision of mining machineries in mineral benches	Manual, only Jack hammer 32 mm dia with drilling and blasting	same as proposed	yes
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes i.e. 3 m	yes	yes
3m	Total area covered under excavation/pits	-	-	-
3n	Ore to OB ratio for the pit/mine during the year.	yes	yes	yes
3o	Total area put in use under different heads at the end of year	--	--	pit is filled with water
3p	Production of ROM mineral during the last five year period as applicable	40825.0	Near by same as per proposal	yes
3q	General remarks of inspecting officers on method of mining etc.	Manual and jack hammer open cast mining	manual and jack hammer opencast mining	yes

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	As per proposal done
4b	Location of topsoil, OB and mineral reject dumps	Dump on the dumping side, At present there are eight no.of waste dumps in the lease are	Same as proposed	yes actual done

4c	Number of dumps within lease area and outside of lease area	8 dumps	same as proposed	yes
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	4	same as proposed	yes
4e	Number of active and alive dumps.	4	same as proposed	yes
4f	Number of dead dumps.	4	same as proposed	yes
4g	Number of dumps established.	All are stabilized	All are stabilized	yes
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	----	----
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	--	--
5b	Area under backfilling of mined out area	no proposal	--	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	no proposal	--	--

5d	Total area fully reclaimed and rehabilitated	--	--	--
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	-

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	yes	yes	yes
6b	Area available for rehabilitation (ha) .	-	-	-
6c	afforestation done (ha).	as per proposal	plant expired	plant expired and suggested to re plantation
6d	No. of saplings planted during the year	25 no. of sampling during the year	25 no. of sampling during the year	afforestation not achieved ,suggested for again plantation.
6e	Cumulative no .of plants	-	-	-
6f	Any other method of rehabilitation	-	-	-
6g	Cost incurred on watch and care during the year	--	--	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	--	--	--
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	--	--

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	--	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	--	--
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	--	--
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	the lease area is 40.61 ha. out of which 0.5699 ha area has already been open up for winning kyanite. during the ensure review period, 0.21.. ha has additional area will be brought under excavation.	Same as proposed	same as proposed
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	--	--
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	--	--	--
6p	Compliance of environmental monitoring (core zone and buffer zone)	---	---	---

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As proposed	As proposed	plantation is to be done more.
----	---	-------------	-------------	--------------------------------

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes	yes	yes
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mannual	Mannual	yes done
7c	Different grade of mineral sorted out at mines.	yes	yes	done
7d	Any beneficiation process at mines .	No	--	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	As per mining plan	Done	Done

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil	---	----
8b	Concurrent use or storage of topsoil	--	--	--

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	yes	yes
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)	Top soil which proposed ncrops nexist in lease but it will not be disturbed	Star rating template not submitted	Star rating template not submitted
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Area under plantation 1339.79 m2	--	plantation is to be done more
8g	Survival rate	as per mining plkan	75%	Plantation is not survived due to lack of water
8h	Water sprinkling on roads to control airborne dust	as per mining plan	yes	maintining
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	as per mining plan	not achiving	suggesttion given for more plantation

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 2021 A.R. Submitted up 2021	done	yes

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Mr.U.R,Kharabe Mining engineer not there	As above	Geologist and Mining engineer is required during mining activity.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per AR 0.439 ha o/c working,0.846 for waste disposal.0.285 for rehablitation plant etc.	yes	yes
9d	Scrutiny of Annual return on afforestation	done	plantation not achived	to be done more
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	---	---	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	---	---	---
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	As per AR	yes	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 cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	23-Sep-21			
MCDR17	Rule 35(2)	23-Sep-21			
MCDR17	Rule 55(1) (3)	23-Sep-21			

Date :

(A.K. PATEL)

Indian Bureau of Mines