

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/BHD/CR-1/NGP

**Mine code :** 11MSH05001

- (i) Name of the Inspecting : **D025** ) **S. M. DORLE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri B.K.Shukla, Mine Owner  
Official with  
Designation
- (iv) Date of Inspection : 19/08/2017
- (v) Prev.inspection date : 04/03/2008

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAUNI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : BHANDARA  
Village : PAUNI  
Taluka : PAUNI  
Post office : PAUNI  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 09/08/1979
- (h) Weekly day of rest : SAT
2. Address for : 301, A- WING, LOKMAT BHAVAN,  
correspondance : RAMDASPETH,  
DISST. NAGPUR-10 (M. S.)
3. (a) Lease Number : MSH0122
- (b) Lease area : 16.22
- (c) Period of lease : 20
- (d) Date of Expiry : 31/03/2020
4. Mineral worked : CHROMITE Main

## 5. Name and Address of the

Lessee : Shri S.C.Shukla  
301,A-Wing,Lokmat Bhavan,  
Pt.J.N.Marg,Ramdaspeth,  
Nagpur (MS) NAGPUR  
MAHARASHTRA  
Phone:  
FAX :

Owner : SHRI S.C.SHUKLA  
301, A- WING, LOKMAT BHAV  
RAMDASPETH, DISST. NAGPUR-  
10 (M. S.) NAGPUR  
MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	19/09/2005
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	09/04/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	6 vertical boreholes	Not worked	No borehole as proposed could be made as land owners were not allowing any machinery to enter the area marked for borehole as consent of land owners( agriculturists) to undertake mining operation was limited to manual mining only.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Borehole in the lease area	Not done	compensation for crop/trees standing in area could not be determined/ agreed for period in question between lessee and land owners and also due to bad market of chromite ore.
1e	Balance reserve as on 01/04/20			
1f	General remarks of inspecting officers on geology, exploration etc			Presently no production from pits observed during inspection

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No development work proposed	Nil	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed soil, overburden and mineral benches	No working in the pits at present, no proper benches observed in the mine
2c	Stripping ratio or ore to OB ratio	Not proposed in the mining scheme	Nil
2d	Quantity of topsoil generation in m3	Nil	Not applicable
2e	Quantity of overburden generation in m3	3484 Cum	Not be generated
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine presenly not under working condition, as compensation for trees standing in the area could not be determined, for a period in question, between lessee and land owners and also bad market ofchromite ore.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 Nos.(old pits)	No working in this pit	
3b	Quantity of ROM mineral production proposed	1283.89 cum	Nil	
3c	Recovery of sailable/usable mineral from ROM production	95%( including 5% subgrade)	Nil	
3d	Quantity of mineral reject generation	5% of production	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Cr2O3 minimum 10%	Nil	

3f	Quantity of sub grade mineral generation.	205.400 T	could not generated due to no extractionm of ore from ore body took place
3g	Grade of sub grade mineral generation	No grade of sub-grade mineral proposed	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation Sub grade ore to be sold with cromite ore	Nil
3j	Provision of drilling and blasting in mineral benches	Not required as per nature of deposit threfre not proposed	Nil
3k	Provision of mining machineris in mineral benches	Not proposed	Not applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches in ore is 1.5 m suitable for method of mining	At present no work in the mine
3m	Total area covered under excavation/pits	7447 Sqm	7445 Sq. M
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed	Not applicable
3o	Total area put in use under different heads at the end of year	Pit-1283.89 Sqm Waste and reject- Others-	Pit-7447 Sqm Waste and reject- Others- Nil
3p	Production of ROM mineral during the last five year period as applicable	2014-15-4667 MT 2015-16-4735 MT 2016-17-3697 MT	2014-15-26.000 MT 2015-16-90.000 MT 2016-17-1.000 MT

3q	General remarks of inspecting officers on method of mining etc.	Presently no working in the mine only development related activities seen during inspection
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Proposed at Pit No.3	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	Proposed 5 nos. of waste dumps within lease no dumps proposed outside lease	5 Nos of wastes dumps are within lease no dumps proposed outside lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Shown in plate No. 3	As per plate No. 3	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Not proposed	5 dumps are within lease	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall proposed along dumps	yes	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall proposed 324 m	Around 300m retaining wall construct	
4k	Specific comments of inspecting officer on waste dump management			At present mine is non-working all dumps stabilised

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed. No topsoil	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No stage of backfilling started.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not proposed	Submitted	
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	
6c	afforestation done (ha).	Not proposed	0.675 Ha	
6d	No. of saplings planted during the year	Proposed 25 No.	Around 25 trees planted	
6e	Cumulative no .of plants	Not proposed	186	
6f	Any other method of rehabilitation	Not Proposed	Nil	
6g	Cost incurred on watch and care during the year	Rs 12000/-@ of Rs 400/- per tree	Rs 14000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	25 trees per year	As per proposal.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Not Applicable



6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed production is very small, hence provision for monitoring not provided in mining plan.	Not Applicable	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No rehabilitation by backfilling done in the area however plantation done ny the owner.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil in financial year 2016-17	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual and as and when needed	
7c	Different grade of mineral sorted out at mines.	Nil	Not Applicable	
7d	Any beneficiation process at mines	Nil	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No different grades . No beneficiation.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Not Applicable	
8b	Concurrent use or storage of topsoil	Nil	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden, waste rock, rejects and fines etc shown on appropriate plans	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	25 trees per year	Teak plantation	
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Not proposed	Not done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Teak Plantation is made in planned way. Nearby area is an agriculture land. Asthetic bueaty of the in and around is good.

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return submitted upto June 2017 and annual return of 2016-17 is also received	Most of columns is found filled correctly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Part time mining engineer Shri Manohar Waghamare	Found correct	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits- 7445 Sq Mt Reclaimed Area- Nil Dumps-16219 Sq.Meter	Found Correct	
9d	Scrutiny of Annual return on afforestation	186 Trees over 0.675 Hectare	Found Correct	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded Ore 189.530 MT	Found Correct	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value=Rs 4800/- Production cost- Nil	Found Correct	
9h	Scrutiny of Annual return on fixed assets	nil	Found Correct	
9k	Scrutiny of Annual return on mining machineries	Nil	Found Correct	

**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

**Date :**

(S. M. DORLE)

Indian Bureau of Mines