

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/YTL/LST-63/NGP

**Mine code :** 38MSH26039

- (i) Name of the Inspecting : **D025** ) **S. M. DORLE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Subhash Vairagade, Agent  
Official with  
Designation
- (iv) Date of Inspection : 25/08/2017
- (v) Prev.inspection date : 18/12/2009

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ADEGAON (9.97H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MAHARASHTRA  
District : YEOTMAL  
Village : Adegaon  
Taluka : Zari  
Post office : Adegaon  
Pin Code : 445319  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 23/05/2006
- (h) Weekly day of rest :
2. Address for : 49/5, Nehru Nagar (E),  
correspondance At & P.O. Bhilai,  
Distt. Durg
3. (a) Lease Number : MSH0293  
(b) Lease area : 9.97  
(c) Period of lease : 50  
(d) Date of Expiry : 21/07/2053
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : SHRI T.R. MISHRA  
49/5, Nehru Nagar (E), At &  
P.O. Bhilai, Distt. Durg  
DURG CHHATTISGARH  
Phone:  
FAX :

Owner : SHRI T.R. MISHRA  
49/5, Nehru Nagar (E), At &  
P.O. Bhilai, Distt. Durg  
DURG CHHATTISGARH  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30/04/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	07/05/2009
		Modif.approved Mining Scheme	31/10/2012
		Mining Scheme rule 12 MCDR1988	29/08/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not done	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Nil	
1e	Balance reserve as on 01/04/20	Not proposed	Nil	
1f	General remarks of inspecting officers on geology, exploration etc			Mine is with Minor Mineral Dolomite

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North side of the pit	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil - Benches for OB & limestone	Nil	
2c	Stripping ratio or ore to OB ratio	In Insiti 2:1 In dump 1:0.26	Nil	
2d	Quantity of topsoil generation in m3	60 m3	Nil	
2e	Quantity of overburden generation in m3	180 m3	Nil	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

The mine is limestone and dolomite. Mostly working in the dolomite benches.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	900 T By insitu 990 T By Dump	No Production	
3c	Recovery of sailable/usable mineral from ROM production	60%	Salable - Nil	
3d	Quantity of mineral reject generation	40% of ROM	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	Nil	
3f	Quantity of sub grade mineral generation.	NA	Nil	
3g	Grade of sub grade mineral generation	NA	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA	
3j	Provision of drilling and blasting in mineral benches	proposed Small hole drilling	Nil	

3k	Provision of mining machineries in mineral benches	Not Proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	As per mining proposed in MP/SOM	OB -1.5 m Ore - 1.5 m	
3m	Total area covered under excavation/pits	2.90 Hectare	Around 2.055 hect	
3n	Ore to OB ratio for the pit/mine during the year.	2:1 insitu	Nil.	
3o	Total area put in use under different heads at the end of year	Pit- 2.90 Waste/reject 1.08 Others-00	Pit- 2.055 Waste/reject 0.69 Others-00	
3p	Production of ROM mineral during the last five year period as applicable	Yr-2012-13- Yr-2013-14 - 00. Yr-2014-15 1890 Yr-2015-16 1890 T Yr-2016-17 1890 T	Yr-2012-13- 00 Yr-2013-14 - 00 Yr-2014-15 -500 T Yr-2015-16 - 1570 T Yr-2016-17 -00 T	
3q	General remarks of inspecting officers on method of mining etc.			Limestone Mine with associate Mineral of Dolomite

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	504 cu m	No work	
4b	Location of topsoil, OB and mineral reject dumps	N 200 to 400, E 00 to 100 and N 100 to 00 E400 to 500	Nil	

4c	Number of dumps within lease area and outside of lease area	dumps within lease area -- two	Two	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Nil	
4e	Number of active and alive dumps.	Two	Two	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Yes	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	100 mts	
4j	Number of settling ponds	Not proposed	Prepared at the bottom of mine	
4k	Specific comments of inspecting officer on waste dump management			Presenly working for limestone is now stopped.

---

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.	full extraction of mineral - Not Proposed	As per proposal	
5b	Area under backfilling of mined out area	Not Proposed	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Use of topsoil - Plantation	Nil	

5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The stage of backfilling is not come yet

---

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).	yes	Submitted	
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	
6c	afforestation done (ha).	No	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Not Proposed	Not Proposed	
6f	Any other method of rehabilitation	Not Proposed	Nil	
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not Proposed	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Proposed	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Proposed	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not Proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No work is carried out in the mine toward reclamation

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed grade-wise sorting within lease area	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	As per proposal	
7c	Different grade of mineral sorted out at mines.	Cement grade only	Nil	



7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			At present there is no production for limestone ( Only production of Dolomite is there.

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Plantation within lease area	
8b	Concurrent use or storage of topsoil	Proposed	As it is used for Plantation within lease area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
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)	Given	Nil	

---

8g	Survival rate	50%	Very poor due rocky surface ,without soil.	
8h	Water sprinkling on roads to control airborne dust	Not proposed	Yes , done by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			At present only dolomite is being produce. No production of Limestone.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns submitted regularly	Found correct.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager : Shri R.D.Choudhary Mining Engineer : Shri R.D.Choudhary Geologist : Nil	Found correct	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	S.N Area to be used Present in ha. 1 Mining Pit 2.9000 2 Dumping of mineral waste / Reject: 1.0800 3 Dumping of top soil  Nil 4 Area under storage of ore : 0.1000 5 Shed/Building etc : 0.4500 6 Road 0.4000 Total 4.9300	Found correct	

9d	Scrutiny of Annual return on afforestation	Given	Found correct
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No generation	Found correct
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No Production	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not given as no sale	-
9h	Scrutiny of Annual return on fixed assets	5.00 Lakh	-
9k	Scrutiny of Annual return on mining machineries	Given	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
Rule 26(2)	17/11/2017		Rule 26(2)	17/11/2017	
Rule 27(1)	17/11/2017		Rule 27(1)	17/11/2017	

**Date :**

**(S. M. DORLE)**

Indian Bureau of Mines