

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **G002** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Dhirendra Kumar Singh  
Official with  
Designation
- (iv) Date of Inspection : 15-JUN-22
- (v) Prev.inspection date : 08-SEP-21

**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-MAY-06
- (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 : 30-JUN-53
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-APR-03
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	07-MAY-09
		Modif.approved Mining Scheme	31-OCT-12
		Mining Scheme rule 12 MCDR1988	29-AUG-16
		MP modif under MCR 1960	27-DEC-18
		MP modif under 17(3) MCR 2016	19-MAY-20

## 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	There is no exploration proposal for the period 2021-22	Entire area has already been explored upto G1 level	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	There is no exploration proposal for the period 2021-22	Entire area has already been explored upto G1 level	NIL
1e	Balance reserve as on 01/04/20	Reserves as on 1/11/2019 : 166682 Tonnes (111)	After subsequent depletion of achieved production balance reserves as on 1/11/2022 arrives at 148167 Tonnes.	NIL

1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	The lease is granted for limestone and dolomite. Entire lease area has been explored upto G1 level but any prominent and workable band of limestone has not been established so far. In pit faces scanty exposure of limestone is seen. The deposit is being worked mainly for production of dolomite and limestone is being worked as associated mineral. As per approved Mining plan overall ratio of dolomite and limestone recovery from ROM is at 97% and 3% respectively.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central part of the lease area lying between gridlines N2192450 to N2192680 and E280580 to 280880	Central part of the lease area lying between gridlines N2192450 to N2192580 and E280580 to 280880	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil and OB generation not envisaged	Top soil and OB generation not reported	NIL

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2c	Stripping ratio or ore to OB ratio	NA	NA	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	NIL
3b	Quantity of ROM mineral production proposed	2021-22- Limestone- 14596 tonnes, Dolomite - 471944 tonnes	2021-22- Limestone- 9440 tonnes, Dolomite - NA	NIL
3c	Recovery of sailable/usable mineral from ROM production	Limestone 3% Dolomite 97%	NA	NIL
3d	Quantity of mineral reject generation	NIL	NIL	No proposal for reject generation
3e	Grade of mineral rejects generation and threshold value declared.	No proposal for reject generation	Reject generation not reported	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	Subgrade generation not envisaged	Subgrade generation not reported	NIL

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3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	110 mm dia drilling for development of 6 m height benches.	As per proposal.	NIL
3k	Provision of mining machineries in mineral benches	Showel dumper combination	Showel dumper combination	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench Height 6.0 m is suitable for mechanised operations.	NIL	NIL
3m	Total area covered under excavation/pits	7.345 ha at the end of plan period ie 31/03/2024	3.79 ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	Generation of OB not envisaged. However, proposal for production of 471944 tonnes of dolomite (minor mineral) is envisaged.
3o	Total area put in use under different heads at the end of year	Total area put to use at the end of plan period ie 31/3/2024: Area under pit: 7.345 ha, Dumps: 0.75 ha Infrastructure a 0.64 ha	Total area put to use as on 31/3/2022: Area under pit: 3.79 ha, Dumps: 0.781 ha and Infrastructure :0.84 ha	NIL

3p	Production of ROM mineral during the last five year period as applicable	Production of Limestone: 2019-20: 16297 tonnes 2020-21: 16584 tonnes 2021-22: 14596 tonnes Production of Dolomite 2019-20: 526943 tonnes 2020-21: 536226 tonnes 2021-22: 471944 tonnes	Production of Limestone: 2019-20: NIL 2020-21: 9135 tonnes 2021-22: 9440 tonnes Dolomite is a minor mineral and yearwise production details are not available.	NIL
3q	General remarks of inspecting officers on method of mining etc.	Mechanised Method of Mining	Mechanised method of Mining	NIL

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Generation of top soil, OB and reject not envisaged during 2021-22	Generation of top soil, OB and reject not reported	NIL
4b	Location of topsoil, OB and mineral reject dumps	No such proposal	NIL	NIL

4c	Number of dumps within lease area and outside of lease area	Two dumps inside lease area at the beginning of plan period. It is proposed that dumps will be shifted outside the lease area for which permission is under consideration till then waste generated shall be dumped over the non mineralised zone within lease area.	There is one waste dump situated due north- west direction of working pit.	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal	NIL	-
4e	Number of active and alive dumps.	One	One	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	One	One	NIL

4k	Specific comments of inspecting officer on waste dump management	It is proposed that dumps will be shifted outside the lease area for which permission is under consideration till then waste generated shall be dumped over the non mineralised zone within lease area.	Waste dumping over the dump situated due north-west direction of working pit.	NIL
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Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposal	NIL	NIL
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposal	NIL	NIL

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## 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).	Annual Report of PMCP implemented during previous year should be submitted before 1st July every year.	PMCP Report in respect of 2021-22 was not submitted till the date of inspection.	NIL
6b	Area available for rehabilitation (ha) .	No such proposal	NIL	NIL
6c	afforestation done (ha).	0.20 ha during entire plan period	NA	NIL
6d	No. of saplings planted during the year	100 saplings	As per proposal	NIL
6e	Cumulative no .of plants	NA	NA	NIL
6f	Any other method of rehabilitation	No such proposal	NIL	NIL
6g	Cost incurred on watch and care during the year	No such proposal	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such proposal	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	NIL	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Plantation of 100 saplings	As per proposal	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.2 ha during plan period	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Green belt development	Green belt development	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring ( air water and noise) should be undertaken in core and buffer zone	Environmental monitoring ( air water and noise) undertaken as proposed	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposal for afforestation and environmental monitoring.	PMCP proposals implemented as proposed in mining plan.	NIL
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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting	Gradewise sorting	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	NIL
7c	Different grade of mineral sorted out at mines.	No such proposal	Production of Cement grade Limestone is being reported in 2021-22	NIL
7d	Any beneficiation process at mines	None	None	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generation of top soil not envisaged	Top soil generation not reported in 2021-22	NIL

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8b	Concurrent use or storage of topsoil	No such proposal	Top soil generation not reported in 2021-22	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Generation of OB/waste rock and rejects not envisaged.	Generation of OB/waste rock and rejects not reported in 2021-22	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NO such proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposal for plantation of 100 saplings every year during plan period is envisaged.	Plantation done as per proposal	NIL
8g	Survival rate	NA	70%	NIL
8h	Water sprinkling on roads to control airborne dust	For dust suppression proposal for water sprinkling on roads envisaged.	Water sprinkling are being done as proposed.	NIL

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	There is degradation of land profile and aesthetic beauty due to mining activity. However, the aesthetic beauty is being maintained through afforestation.
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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 and Annual RReturns are to be submitted within stipulated time frame.	Returns are being submitted regularly.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Enginer : Shri SK Singh, Geologist; Sh Mohan Rahangdale	Mining Engineera and geologis are in place.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under O/C RReported detaisl are workings: 3.79 ha; Area for waste dumping: 0.781 ha, Infrastructure and roads: 0.84 ha	more or less in order	NIL
9d	Scrutiny of Annual return on afforestation	No of saplings planted 150 and survvival rate 70%	Afforestation are being done in 2021-22.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation :NIL	Reported details are in order	NIL

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening Stocks: 190 Tonnes; Closing Stocks: 5940 tonnes	Reported details are in order	NIL
		Cement Grade Limestone: Opening Stocks: 9248 Tonnes; Closing Stocks: 10033 tonnes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price: Rs 450 per tonnes Cost of Production: Rs 450 per tonnes	Sales/ dispatch is for Captive consumption	NIL
9h	Scrutiny of Annual return on fixed assets	Fixed Assets: Rs. 17814350	Finacial aspects may not be commented upon	NIL
9k	Scrutiny of Annual return on mining machineries	Showel: 2 nos, Dumpers : 04 nos.	Mining operations are mechanised. Details are in oder.	NIL

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**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

**Date :**

**(OM PRAKASH GOPAL)**

Indian Bureau of Mines