

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/YTL/LST-56/NGP

Mine code : 38MSH26030

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Gopalrao Gundawar
Official with
Designation
- (iv) Date of Inspection : 01/12/2016
- (v) Prev.inspection date : 10/03/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ADEGAON**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MAHARASHTRA
District : YEOTMAL
Village : ADEGAON
Taluka : ZARIJAMNI
Post office : ADEGAON
Pin Code :
FAX No. : 0712:221637
E-mail :
Phone : (0712): 239070, 233110, 23'
- (f) Police Station :
- (g) First opening date : 01/03/1999
- (h) Weekly day of rest : MON
2. Address for : "UTKARSHA NILAYAM APTT", JALVIHAR COLONY,
correspondance RING ROAD, P. O. - JAITALA,
DISST. NAGPUR- 16 (M. S.)
3. (a) Lease Number : MSH0225
- (b) Lease area : 30
- (c) Period of lease : 50
- (d) Date of Expiry : 09/03/2048
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : Smt. Deepali Gundawar
 C/o Shri Gopal Gundawar
 Utkarsha Nilayan Apptt.
 Jalvihar Colony, Nagpur
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

Owner : Smt. Deepali Gundawar
 C/o Shri Gopal Gundawar,
 Utkarsha Nilayam Apparts.
 Jalvihar Colony, Nagpur
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	25/06/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	21/06/2013
	:	MP modif under MCR 1960	01/04/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	The area was explored in detail by the lessee herself through 9 no of vertical boreholes of NX size.	
1b	Exploration over lease area for geological axis 1 or 2	Proposed	explored through 9 nos. of boreholes at the interval of 100Mx100m	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Name Exploration agency M/s Geotech India Nagpur Rs.300000.00	Work has been done as per proposal.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Planned to be drilled another 4 nos. of boreholes during plan period 2014-15 to 2018-19	No new exploration done	Modified mining plan has been approved vide letter no.YTL/LST/MPLN-553/NGP/ dated 01.04.2016
1e	Balance reserve as on 01/04/20	3032561 MT.(Proved)	3032561 MT.(Proved)	
1f	General remarks of inspecting officers on geology, exploration etc			No new exploration done

Development :

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

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Nil	No targeted production achieved due to market demand

3b	Quantity of ROM mineral production proposed	During 2015-16 target of production is 115726MT	Nil
3c	Recovery of sailable/usable mineral from ROM production	80% of the ROM	Nil
3d	Quantity of mineral reject generation	During the year quantity of Mineral reject generation was proposed 28931 tonnes	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Dolomitic Limestone (High MgO Contents) threshold value CaO - 34% (Min), MgO- 4% (Max)	At present limestone of the mine is of Cao- 44.74% to 54.32%, Mgo- 0.30% to 8.20%
3f	Quantity of sub grade mineral generation.	Not proposed	No subgrade mineral generated in the mines
3g	Grade of sub grade mineral generation	Not Proposed	Not Applicable
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 study proposed.	No beneficiation study carried out for sub grade minerals and rejects.
3j	Provision of drilling and blasting in mineral benches	Provision of deephole Drilling by wagon drill i.e. 100mm to the depth of 4-5 m in limestone bed & Blasting.	At present no drilling & blasting

3k	Provision of mining machineries in mineral benches	Backho Shovel (CAT 320D) Tipper 2Nos. 16MT Capacity Wagon Drill Compressed air	No machinery used for mining of limestone presently.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes as per proposal	NNil
3m	Total area covered under excavation/pits	Area under excavation proposed is 22170.56 m2	Presently area under excavation is around 22170.56 m2
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	1:0.03
3o	Total area put in use under different heads at the end of year	The total area put to use under different heads is 32562.44 m2	32562.44 square meter
3q	General remarks of inspecting officers on method of mining etc.		Targeted production not achieved due to market demand.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil dump proposed to be generate during the plan period 2014-15 to 2018-19 however 4 nos. of overburden dumps and one dump of reject have been already in the lease area.	Nil. No topsoil or waste generated during the plan period. however existing 4 nos of waste and 1 reject dumps are in the lease area. Total volume of dumps are 2175 cum	
4b	Location of topsoil, OB and mineral reject dumps	South West & North West of Limestone Pit.	South West & North West of Limestone Pit.	

4c	Number of dumps within lease area and outside of lease area	05 Nos.All dumps have got its location within lease	05 Nos.All dumps have got its location within lease .No dump in the outside lease area area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal for dumping in within ultimate pit limit	All dumps are within lease area.waste dumping as per approved proposal.	
4e	Number of active and alive dumps.	No active or alive dump	No active or alive dump	
4f	Number of dead dumps.	Total 5 nos of dumps are dead dumps	Total 5 nos of dumps are dead dumps. 4 Overburden and one reject dump.	
4g	Number of dumps established.	5 nos. of dumps are stabilised	% nos of dumps stabilised.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall or garland drain not proposed.	Retaining wall or garland drain not prepared.	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall has not been proposed.	Not Applicable	
4j	Number of settling ponds	Setting pond not proposed	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management	In present proposal waste generation not proposed		The dumps will have to be rehandled for backfilling of the mined out land and the limestone mineralization is of shallow nature.

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.	As per present SOM to conduct limestone extraction work upto a depth of 12.5 Mtrs, since limestone deposit occurrence is over there upto a depth of 30 Mtrs, there is no need to do reclamations of mined out	At present as per proposal there is no need to do reclamations of mined out	
5b	Area under backfilling of mined out area	The backfilling has not been proposed	The backfilling has not been started	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Not Implemented	
5d	Total area fully reclaimed and rehabilitated	As per proposal total land degraded during plan period is 49261	Present area degrades around 4 hectare	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The backfilling has not been proposed presently. Backfilling will be proposed and implemented after sufficient mined out area available

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	Annual report on PMCP submitted for the year 2015-16	

6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	100 sapling proposed to be planted per year	Around 50 Nos of tree planted
6e	Cumulative no .of plants	300Nos.	Around 150 Nos
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	Not Applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Applicable	Not Applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	Done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Plantation Proposed, No backfilling Proposed	Plantation done, no backfilling started	The proposed measures for progressive clouser of mine are being complied in the mine.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Proposed	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Proposed	-25mm to +10mm size limestone stacke seperatly	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation proposed by the owner, however - 25mm to +10mm size limestone would be used for blending
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not Applicable	
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed as mentioned in solid waste management system.	5Nos of waste dump in the lease area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information on existence of plantation and additional plantation not given	Not Applicable	
8g	Survival rate	80%	20%	

8h	Water sprinkling on roads to control airborne dust	Proposed Water sprinkling on roads to control airborne dust	done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The terrain is flat. The general aesthetic beauty of the land is fair

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return submitted upto October 2016	Monthly return of September, October 2016 1. Mine code not mentioned correctly. 2. Grades not mentioned in grade-wise production section and sale / dispatches section (Part I-5 and 4) 3. Ex-mine price has not mentioned correctly-As per section 45 of MCDR Rule 1988, where the sale has not occurred, the latest average sale price published monthly by the IBM for a particular mineral for a particular State shall be taken as the ex-mine price of the mineral for the purposes of reporting.	Annual return - 2015-16. 1. Maximum number of persons employed on any one day during the year: not filled correctly-. Part - II (Employment & Wages) 2. Depreciation on fixed assets are not mentioned/ not correctly filled up -Part-II A (Capital Structure) 3. In Consumption of Materials. Quantity and cost of Explosives and other material is not reported. (Part-III). 4. ROM production and overburden removed is not reported correctly (4.2 (B) and Part VI) 5. Chemical Analysis of Typical Grades Pro

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 13(1)	28/12/2016		Rule 13(1)	28/12/2016	23/03/2017
Rule 45(5)	28/12/2016		Rule 45(5)	28/12/2016	23/03/2017
Rule 45(7)	28/12/2016		Rule 45(7)	28/12/2016	23/03/2017

Date :

(S. M. DORLE)

Indian Bureau of Mines