

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/YTL/LST-66/NGP

Mine code : 38MSH26042

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Prem Tembare, Shri M.S.Waghamare
Official with
Designation
- (iv) Date of Inspection : 18/02/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GAURALA -2 (3.62H)**
- (b) **Registration NO.** : **IBM/5319/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : YEOTMAL
Village :
Taluka :
Post office :
Pin Code : 015
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 20/06/2006
- (h) Weekly day of rest :
2. Address for :
correspondance :
3. (a) Lease Number : MSH0292
- (b) Lease area : 3.62
- (c) Period of lease : 30
- (d) Date of Expiry : 27/05/2033
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

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

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 25/04/2013
Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 21/06/2016

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	G1	Nil	
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	Nil	Nil	
1e	Balance reserve as on 01/04/20	Balance Reserves:- Proved: 4,55,535 Probable: 2,59,971	Balance Reserves:- Proved: 4,55,535 Probable: 2,59,971	
1f	General remarks of inspecting officers on geology, exploration etc			No exploration has been done as proposed due to mine was non working

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NA	NA	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Overburden: 01 Ore : 00	Overburden: 01 Ore : 00	
2c	Stripping ratio or ore to OB ratio	1:0.07	Nil	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	Not proposed	Nil	

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

Mines is non working due to market condition and want of EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	7503	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Nil	NA	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	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.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	32 mm Jack Hammer Drilling	Not actually carried out	

3k	Provision of mining machineries in mineral benches	Jack Hammer, Tractor Compressor, Dumper, Loader,	Not actually used	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	yes	
3m	Total area covered under excavation/pits	0.5112 Hectare	as per proposal	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07	Nil	
3o	Total area put in use under different heads at the end of year	Cumulative area at the end of Rep. Year. Mining : 0.5112 Ha Waste Dump : 0.4408 Ha Total Area: 0.9520 Ha	Cumulative area at the end of year. as per proposal	
3p	Production of ROM mineral during the last five year period as applicable	Yr: 2016-17-- 7,357	Yr: 2012-13-- NIL Yr: 2013-14-- NIL Yr: 2014-15-- NIL Yr: 2015-16-- NIL Yr: 2016-17-- NIL	
3q	General remarks of inspecting officers on method of mining etc.			Presenly mine is non working hence no production.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	

4c	Number of dumps within lease area and outside of lease area	Proposed within Lease : 01	As per proposed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near 7.5 m boundary.	As per proposal	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	01	01	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			Mine is non working

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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	

5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No reclamation stage. The entire area will be backfilled concerently after full extraction of mineral

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	Yes	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants			
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on - watch and care during the year	-	0	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	
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 on backfilled area	Nil	Nil	
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	Nil	Nil	
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	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Since mine is non working all activities are not carried out

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within lease area	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Since no production, no activities in the mines.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Stacked separately	As per proposal	
8b	Concurrent use or storage of topsoil	Stacked separately	Stacked separately	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed stacking seperatly	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	The entire ore bearing area will be backfilled concurrently after fully extraction of ore	nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Given	-	
8g	Survival rate	Nil	Nil	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines is good

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All monthly and annual returns submitted regularly	Found most of the columns correctly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	Mine is not working	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found correct	
9d	Scrutiny of Annual return on afforestation	nil	-	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject	found correct
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	-
9h	Scrutiny of Annual return on fixed assets	Given	-
9k	Scrutiny of Annual return on mining machineries	Given	-

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
MCDR17	Rule 27(1)	06/03/2018	11/05/2018		

Date :

(S. M. DORLE)

Indian Bureau of Mines