

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/YTL/LST--35/NGPIII

**Mine code :** 38MSH26009

- (i) Name of the Inspecting : **G002** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri Suresh Madhukar Wandhare  
Official with  
Designation
- (iv) Date of Inspection : 24-MAY-23
- (v) Prev.inspection date : 25-JAN-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SINDOLA**
- (b) **Registration NO.** : **IBM/256/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : YEOTMAL  
Village : SINDOLA  
Taluka : WANI  
Post office : SINDOLA MINES CEMENTNAGAR  
Pin Code : 442502  
FAX No. : 07172--75165  
E-mail :  
Phone : 07172--75026
- (f) Police Station :
- (g) First opening date : 01-JAN-85
- (h) Weekly day of rest : WED
2. Address for :  
correspondance :
3. (a) Lease Number : MSH0016  
(b) Lease area : 840.83  
(c) Period of lease : 50  
(d) Date of Expiry : 31-MAR-30
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S CHANDA CEMENT WORKS (ACC)  
 CEMENT NAGAR, DISTT.  
 CHANDRAPUR (MS) - 442 502  
 CHANDRAPUR MAHARASHTRA  
 Phone:07172 - 75026  
 FAX :07172 - 75165

Owner : Neeraj Akhouri  
 MD & CEO , ACC Ltd ACC Ltd,  
 Cement House 121,MK Road  
 Mumbai MUMBAI (SUBURBAN)  
 MAHARASHTRA  
 Phone: 02233024321  
 FAX : 02266317407

Agent : K. Vamsidhar Reddy  
 Director Plant, Chanda  
 Cement Works CHANDRAPUR  
 MAHARASHTRA  
 Phone: 07172285026  
 FAX : 07172285165

## Mining Engineer

Name : Atul Bhandekar,Full Time  
 Qualification : B.E.Mining  
 Appointment/ :  
 Termination date

## Geologist

Name : Subikash Bandopadhyay,Full Time  
 Qualification : Msc . Geology  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	08-JAN-01
Plan/Scheme of Mining		Modif.approved Mining Scheme	02-DEC-03
		Modif.approved Mining Scheme	10-SEP-05
		Mining Scheme rule 12 MCDR1988	16-AUG-10
		Mining Scheme rule 12 MCDR1988	16-OCT-15
		MP review under 17(1) MCR 2016	31-DEC-19

## 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	18 boreholes	NIL	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	ML93 to ML 102	ML93 to ML 102	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposals for Seperate benches in OB and Minerals envisaged.	Seperate benches in OB and mineal are being maintained.	NIL
2c	Stripping ratio or ore to OB ratio	1:0.86	1:1.5	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	214178 m3	96588 m3	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	Pit 2& 3	Pit 2& 3	NIL
3b	Quantity of ROM mineral production proposed	599976 tonnes	154548 tonnes	NIL
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL
3d	Quantity of mineral reject generation	514027 tonnes	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	514027 tonnes	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No	NIL

3j	Provision of drilling and blasting in mineral benches	Drill Machine -Epirock RCO T-40 drill & Nonel blasting	Drill Machine -Epirock RCO T-40 drill & Nonel blasting	NIL
3k	Provision of mining machineries in mineral benches	Loading -Volvo LC750, Zx 650, PC 600 & Hauling-HD465, BH40	Loading -Volvo EC380 & Hauling-CAT 773E & 772G	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of bench 8mtrs Width of bench 20mtrs	Height of bench 8mtrs Width of bench 20mtrs	NIL
3m	Total area covered under excavation/pits	77.02 ha	77.02 ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.86	1:1.5	NIL
3o	Total area put in use under different heads at the end of year	Mining pits-77.02 OB dump-29.62 Mineral storage-7.4 Soil Dump-0.80 Road-4.25 Building/ Infrastructure -3.09 Others-15.562	Mining pits-77.02 OB dump-29.62 Soil Dump-0.80 Road-4.25 Building/ Infrastructure-3.09	NIL
3p	Production of ROM mineral during the last five year period as applicable	2018-19 600000 2019-20 600000 2020-21 608640 2021-22 900816 2022-23 1114003	2018-19 598578 2019-20 530957 2020-21 441715 2021-22 445570.7 2022-23 154548	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping for top soil OB and mineral rejects envisaged	As per proposal	NIL
4b	Location of topsoil, OB and mineral reject dumps	ML90-ML91	Dumping on unproposed location.	Deviation from approved proposals were communicated to lessee. Towards compliance, Modified Mining Plan was submitted and got approved.
4c	Number of dumps within lease area and outside of lease area	Within lease 16	Within lease 16	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	NIL
4e	Number of active and alive dumps.	Two	Two	NIL
4f	Number of dead dumps.	11	11	NIL
4g	Number of dumps established.	NA	NA	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposals for construction of Retaining wall & Garland drain envisaged.	Retaining wall & Garland drain are being contrsucted along dumps..	NIL
4i	Length of Retaining wall or garland drain all along dumps	200 m	200 m	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposal for backfilling	Backfilling not done	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)	Top soil generation not envisaged	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

#### 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).	Yearly Report of PMCP should be submitted to IBM before 1st day of July every year.	PMCP Report submitted	NIL
6b	Area available for rehabilitation (ha) .	No such proposal	NIL	NIL
6c	afforestation done (ha) .	1.08 ha	1.08 ha	NIL
6d	No. of saplings planted during the year	1500	3000	NIL
6e	Cumulative no .of plants	NA	NA	NIL

6f	Any other method of rehabilitation	None	None	NIL
6g	Cost incurred on watch and care during the year	Rs. 300000/-	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	NIL	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such Proposal	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1500 saplings	3000 saplings	NIL



6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.2 ha	1.2 ha	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment Monitoring for core and bufferr zone	Monitoring are being done	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch of ROM	As per proposal	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	NIL	NIL
7c	Different grade of mineral sorted out at mines.	No such proposal	NIL	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	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generation of top soil not envisaged	NIL	NIL
8b	Concurrent use or storage of topsoil	Generation of top soil not envisaged	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumping for OB and mineral reject proposed	Seperate dumining is in practice	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)	Land reclamation by afforestation	Aforestation	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planation proposed	Plantation as per proposal	NIL

8g	Survival rate	NA	NA	NIL
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust is proposed.	Water sprinkling on roads to control airborne dust is in practice.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly Return shall be submitted before the tenth day of every mont in respect of preceding month and Annual Return shall be submitted before the 1st day of July every year for the preceding financial year,	Monthly Returns and Annual Return are being submitted in time.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: M. Praveen Khokle Geologist: Subikash Bandyopadhyay	At the time of inspection the Mining engineere was on post. However, geologist was not in post therefore violation of Rule 55 of MCDR 2017 communicated to lessee. Lesss has submitted prescribed penalty of non employment of Geoogist.	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under O/C working: 77.02 ha, Area reclaimed/rehabilitated: 7.0 ha Area used for waste disposal: 2962 ha Area occupied by plant, buildings roads: 7.34 ha  Work done under PMCP 2	Land use patterns appear to be in order.	NIL
9d	Scrutiny of Annual return on afforestation	No. of trees planted during the year: 3500 saplings	Plantation details are in order.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation : NIL	Reject generation not seen.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: opening and closing stocks : NIL Graded ore opening and closing stocks: NIL	Details on opening and closing stocks are in order.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EMP: Rs. 269.30/ tonnes Production cost: Rs. 269.30/ tonnes	It is captive mine. Details on EMP and production cost are in order	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed assets: Rs. 3604010/-	Financial aspects may not be commented upon.	NIL

9k	Scrutiny of Annual return on mining machineries	Back hoe (2.8 cum): 1, Dumper (50T): 2, Dumper (60 T): 1, Rock drill (115 mm) 1, Dozer (320 HP): 1, wheel loader (5.0 cum): 1, Pumps: 2, Explosive van : 1	Mining Machenaries details are in order.	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
MCDR17 Rule 11(1)	21-JUN-23		MCDR17 Rule 11(1)	21-JUN-23	05-DEC-23
MCDR17 Rule 55(1) (1)	21-JUN-23		MCDR17 Rule 55(1)	21-JUN-23	05-DEC-23

**Date :**

**(OM PRAKASH GOPAL)**

Indian Bureau of Mines