

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/CND/LST-11/NGP-III

Mine code : 38MSH08012

- (i) Name of the Inspecting : **G002**) **OM PRAKASH GOPAL**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri SK Tiwari, Agent, Shri Adwat Saxena, Geologist
Official with
Designation
- (iv) Date of Inspection : 06-Jan-23
- (v) Prev.inspection date : 09-Dec-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANIKGARH**
- (b) **Registration NO.** : **IBM/4952/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : CHANDRAPUR
Village : KUSUMBI
Taluka : RAJURA
Post office : GADCHANDUR
Pin Code : 442908
FAX No. : 07173-246867
E-mail : mines@manikgarhcement.com
Phone : 07173-245092, 245067, 2450
- (f) Police Station :
- (g) First opening date : 05-Mar-86
- (h) Weekly day of rest : SUN
2. Address for : P.O. GADCHANDUR
correspondance : DISTT. CHANDRAPUR
3. (a) Lease Number : MSH0002
- (b) Lease area : 493
- (c) Period of lease : 50
- (d) Date of Expiry : 16-Aug-31
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S CENTURY TEXTILES & INDUSTRIES LTD.
 Century Bhawan, Dr. Annie
 Besant Road, Mumbai (MS)
 GREATER BOMBAY MAHARASHTRA
 Phone:022-- 4300351
 FAX :022-4309491

Owner : SHRI B.L.JAIN (NOMINATED OWNER)
 GREATER BOMBAY
 MAHARASHTRA
 Phone:
 FAX :

Agent : R.K.UDGE
 CHANDRAPUR MAHARASHTRA
 Phone:
 FAX : 07173 - 246867

Mining Engineer

Name : R.S.AMBHORKAR, Full Time
 Qualification : BE (MINING)
 Appointment/ : 03-Jan-96
 Termination date

Geologist

Name : Shri G.M.Bohra, Full Time
 Qualification : , M.Tech., M.Sc. Geology
 Appointment/ : 15-Oct-90
 Termination date

Manager

Name : Shri S K TIWARI
 Qualification : Dip. in Mining, First Class Manager Cert
 Appointment/ : 08-Nov-10
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	26-May-00
Plan/Scheme of Mining		Modif.of approved Mining Plan	21-Nov-02
		Mining Scheme rule 12 MCDR1988	05-May-06
		Modif.approved Mining Scheme	02-Feb-07
		Renewal under rule 24 MCR1960	07-Feb-07
		Modif.approved Mining Scheme	23-Sep-08
		Modif.approved Mining Scheme	21-Jul-11
		MP modif under MCR 1960	07-Jun-16
		MP under 16(1) of MCR 2016	24-Nov-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in the previous year	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	Already explored upto G1 level.	NIL	There is no exploration proposal as entire mineralised area has already been explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal during 2021-22.	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area Already explored upto G1 level.	NIL	There is no exploration proposal as entire mineralised area has already been explored under G1 level.
1e	Balance reserve as on 01/04/20	Reserves as on 31/03/2021: 82.61 million tonnes (111)	Reserves as on 31/3/2022 : 78.58million tonnes (111)	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	The Naokari Kusumbi area mainly comprises of DeccanTrap belonging to Upper Cretaceous - Eocene age and limestone of Precambrian age. The Limestone is overlain by Deccan Trap. Entire mineralised area has been explored upto G1 level.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mine is fully developed and there is no proposal for development of OB/soil Benches. Working is proposed in Mineral benches only in ABC Block and EF Blocks.	As per proposal	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mine is fully developed and there is no proposal for working in OB and top soil benches. Working proposed in mineral benches only.	As per proposal	NIL
2c	Stripping ratio or ore to OB ratio	1:0 (Generation of OB not envisaged).	As per proposal	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	Working in already broken area thus there is no proposal for soil generation.
2e	Quantity of overburden generation in m3	NIL	NIL	Proposal and actual working is restricted in mineral benches thus there is no scope for OB generation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Two	Two	NIL
3b	Quantity of ROM mineral production proposed	55,50,000 tonnes	40,28,121 tonnes	Mine is captive to cement plant and actual production is as per plant's requirement.
3c	Recovery of sailable/usable mineral from ROM production	100%	As per proposal	NIL
3d	Quantity of mineral reject generation	Reject generation not envisaged	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	NIL	NIL
3f	Quantity of sub grade mineral generation.	Quantum of sugrade generation not envisaged. It is proposed that subgrade/ low grade will be be utilised for blending.	It is reported that 3,35,677 cum of subgrade limestone having SiO2 values 13 to 15% were judiciously blended.	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
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	Large dia deephole drilling proposed.	As per the proposal	NIL

3k	Provision of mining machineries in mineral benches	Excavator and dumper combination.	As per proposal	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 m bench height proposed	8 to 10 m bench height maintained.	Bench height is suitable for the method of mining being proposed and implemented.
3m	Total area covered under excavation/pits	148.938 ha (At the end of plan period ie 31/3/2026)	145.189 ha as on 31/3/2022.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	There is no OB generation as working restricted in mineral benches only.

3o	Total area put in use under different heads at the end of year	Area put to use at the end of plan period ie 31/3/2026 are; Under Mining: 151.118 ha (including 2.18 ha. fully reclaimed and rehabilitated area); Storage for top soil: 0.236 ha (including 0.15 ha. fully reclaimed and rehabilitated area); Waste dump site 42.836 ha. (including 42.376 ha. fully reclaimed and rehabilitated area); Mineral Storage 2.33 ha; Infrastructure 4.59 ha and roads 2.926 ha	Area covered under current (O/C) Mining: 145.189 ha; Reclaimed/Rehabilitated area: 40.786 ha; Used for waste disposal 1.59 ha; Occupied by plant, buildings, residential, welfare buildings & roads: 7.398 ha. Other Purpose (storage of top soil &) 2.566 ha; Work done under progressive mine closure plan during the year 0.250 ha.	NIL
3p	Production of ROM mineral during the last five year period as applicable	2021-22 - 55,50,000 Tonnes; 2020-21 - 55,50,000 Tonnes; 2019-20 - 55,50,000 Tonnes; 2018-19 - 55,50,000 Tonnes; 2017-18 - 55,50,000 Tonnes	2021-22 - 4028122 Tonnes; 2020-21 - 42,15,182 Tonnes; 2019-20 - 40,42,009 Tonnes; 2018-19 - 42,25,327 Tonnes; 2017-18 - 39,77,766 Tonnes	Mine is captive to cement plant and ROM production depends on demand from Cement plant.

3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	The mining operations are fully mechanised and shovel dumper combination are being deployed for loading and transportation. Production of ROM is from two pits and bench parameters are maintained as per proposals envisaged in approved mining plan.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal for generation of top soil and OB as mineral benches are fully opened up.	Generatio n of top soil and OB not reported in 2021-22.	Generation of top soil and OB not envisaged during 2021-22 however, rehandling of 1,29,000 cum of OB from C Hill dump for making embarkment along Amal Nala bank is proposed.
4b	Location of topsoil, OB and mineral reject dumps	No such proposal as generation of top soil not envisaged.	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	No proposal for dumping envisaged during 2021-22 however, tere are in all 8 old dumps within lease area.	NIL	In all there are 8 no of old dumps (6 OB dumps, one subgrade stack and one soil dump) within the lease area. Creatio n of any new dump not envisaged during 2021-22 .

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal for creation of new dump envisaged during 2021-22.	As per proposal	Existing Dumps are outside the UPL.
4e	Number of active and alive dumps.	Two	Two	NIL
4f	Number of dead dumps.	Five	Five	NIL
4g	Number of dumps established.	No such proposal for dump stablisation made during 202122 however, there are five stablised dumps.	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal for erecton of retaining wall/ garlad drain along dumps. Ggarland drain and reationing wall are present along existing dumps.	Mainatenance of old retaining wall and garland drains	NIL
4i	Length of Retaining wall or garland drain all along dumps	No such proposal for constructions of new retaining wall or garland drain in 2021-22	Mainatenance of old retaining wall and garland drains	NIL
4j	Number of settling ponds	No such proposal	Maintanance of old settling tank.	NIL

4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	Generation of insitu OB not envisaged during 2021-22. However, there is proposal for rehandling of 1,29,000 cum of OB from C Hill dump for making embankment along Amal Nala bank. It was observed that rehandling of dump and erection of embankment for nala is under process.
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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	Mineral continued in depth and there is no proposal for backfilling.
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.	NIL	NIL	Mineral continued in depth and there is no mined out area therefore there is no scope of backfilling and reclamation.

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).	Lesse should submit annual report of PMCP before 1st of July every year	The yearly Report on PMCP submitted	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.25 ha	0.25 ha	NIL
6d	No. of saplings planted during the year	1888 saplings	3000 saplings	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	4.35 lakh	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NIL	NIL	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	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	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL	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)	Environmental monitoring of air, noise and water in core and buffer zone	Environmental monitoring of air, noise and water in core and buffer zone is in practice.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	Proposals envisaged in PMCP are being implemented .

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch of ROM after crushing, sizing and screening.	As per proposal	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mine is captive to cement plant and there is no proposal for grade wise sorting.	NIL	NIL
7c	Different grade of mineral sorted out at mines.	Mine is captive to cement plant and there is no proposal for grade wise sorting.	NIL	NIL
7d	Any beneficiation process at mines	Crushing, sizing and screening.	As per proposal	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generation of top soil not envisaged. There is no such proposal for removal and utilization of top soil	As per proposal	NIL

8b	Concurrent use or storage of topsoil	Generation of top soil not envisaged and there is no proposal for its concurrent use/ storage.	Concurrent	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste generation not envisaged and there is no proposal of waste dumping	NIL	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)	Proposal for rehabilitation of mined out benches and dumps by plantation.	As per proposal	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation of 1888 saplings in 2021-22	3000 saplings planted in 2021-22	NIL
8g	Survival rate	NA	90%	NIL
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on haul road to control airborne dust is in practice	NIL

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	Aesthetic beauty are being maintained by plantation over dumps and mature benches.	Mining activity leads to distortion of aesthetic beauty in and around mining areas. Aesthetic beauty are being maintained by way of plantation over dumps and mature benches. Dust emission are being arrested by regular water sprinkling on haul road.
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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Lessee should submit a monthly return before the tenth day of every month in respect of the preceding month and an annual return before the 1st day of July each year for the preceding year.	Lessee is submitting monthly and annual returns in online mode regularly.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: sh. S.M. Sarpatwar; Geologist: Shri A Saxena; Manager: shri RS Amborkar	Mining Engineer, Geologist and Manager are in place.	NIL

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining: 145.189 ha; Reclaimed/Rehabilitated area: 40.786 ha; Area used for waste disposal 1.590 ha; Area occupied by plant, buildings & roads: 7.398 ha; Other Purpose (storage of top soil & sub grade) 2.566 ha Work done under progressive mine closure plan during the year 0.250 ha.	Details on land use pattern appears to be correct and are in order.	NIL
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year 3000 inside the lease area and 110 outside the lease area (ii) Survival rate in percentage 91.70 inside the lease area and 89 outside the lease area	Details on afforestation appears to be correct and are in order.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Details on reject generation appears to be correct and are in order.	NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening and closing stocks of ROM and graded ore is reported as NIL.	Details on stocks appears to be correct and are in order.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Exmine price is reported as NIL and cost of production is shown as Rs. 223.35/tonnes.	It is captive mine. Details on EMP and cost of production appers to be correct and are order.	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 470886984	No comments on Fincial aspects .	NIL
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 3.100 CUM 2nos.; SHOVEL (HYDRAULIC) 4.500 CUM 2 nos.; DUMPER 35.000 TONNE 10 nos.; DUMPER 60.000 TONNE 6 nos.; DOZER 354.000 HP 2 nos.; MOTOR GRADER 119.000 HP 1 nos.; ROCK DRILL (NON ELEC.) 150.000 MM 1 nos.; ROCK DRILL (NON ELEC.) 115.000 MM 1 nos.; CRUSHER 1500.000 T/H 1 nos.; CRUSHER 1000.000 T/H 1nos.;	Highely mechanised mine. Details on Mining Macenaries appers to be correct and are order.	NIL

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