

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/SLM/LST-6(S)/MDS

Mine code : 38TMN11073

- (i) Name of the Inspecting : **D009**) **D.CHANDRA SEK HAR REDDY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri.S.Natarajan AGM & QP ,D.Prithviraj, Geologist.
Official with
Designation
- (iv) Date of Inspection : 27/10/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MOTHAIYANUR (55.74 H.(S)**
- (b) **Registration NO.** : **IBM/613/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **SALEM**
- Village : **CHINNAGOUNDANUR**
- Taluka : **SANKARI**
- Post office : **MOTHAIYANUR**
- Pin Code : **637303**
- FAX No. : **04283-240051**
- E-mail : **skd_gmoffice@indiacements.com**
- Phone : **04283-240387/240053**
- (f) **Police Station** : **SANKARI**
- (g) **First opening date** : **02/04/1966**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **INDIA CEMENTS LIMITED, SANKARI WEST POST
SALEM DISTRICT - 637 303.**
3. (a) **Lease Number** : **TMN0059**
- (b) **Lease area** : **54.18**
- (c) **Period of lease** :
- (d) **Date of Expiry** : **31/03/2030**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : THE INDIA CEMENTS LIMITED
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CITY TAMIL
 NADU
 Phone:044-28521526, 28521527,28572100,28572400
 FAX :044-28526311

Owner : lakshmi Aparna Sreekumar.
 m/S.India cements ,827.
 Dhun , Building ,Anna Salai
 , Chennai-2 ARIYALUR TAMIL
 NADU
 Phone: 04283-240387
 FAX : 04283-240387

Agent : A.veerabagu
 India cements Ltd sakari
 works salem SALEM TAMIL
 NADU
 Phone: 044-28521526
 FAX : 044-28526311

Mining Engineer

Name : K.BHASKARA THODAIMAN,Full Time
 Qualification : I CLASS MANAGER CERTIFICATE
 Appointment/ : 01/12/2006
 Termination date

Geologist

Name : GOPISUBRAMANIAM,Full Time
 Qualification :
 Appointment/ : 08/10/1982
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14/02/2008
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03/10/2011
		Mining Scheme rule 12 MCDR1988	13/06/2013
		Mining Scheme rule 12 MCDR1988	25/04/2014
		MP modif under 17(3) MCR 2016	04/07/2017
		MP review under 17(1) MCR 2016	30/10/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL.	NIL	Ml area already explored to G1 level. The mine is not working since 2014 due to Ec problem.
1b	Exploration over lease area for geological axis 1 or 2	4 bore holes proposed from pit bottom during 2022-23.	NIL	Ml area already explored to G1 level. The mine is not working since 2014 due to Ec problem.
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	NIL	NIL	ML area already explored.
1e	Balance reserve as on 01/04/20	—	4.47 million tonnes as on 01/04.2023.	. The mine is not working since 2014 due to Ec problem.
1f	General remarks of inspecting officers on geology, exploration etc	—	—	. The mine is not working since 2014 due to Ec problem.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern portion of ML area E/W 805388-805775 N/S 1271725-1272223	NIL	Mine not working since 2014-15 onwards due to EC problem.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Topsoil bench, OB bench exist.	NIL	Mine not working since 2014-15 onwards due to EC problem.
2c	Stripping ratio or ore to OB ratio	1:2.87	NIL	Mine not working since 2014-15 onwards due to EC problem.

2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	401800 cu.m	NIL	Mine not working since 2014-15 onwards due to EC problem.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Mine not working since 2014-15 onwards due to EC problem.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	NIL	No operation Since 2014-15, Awaiting for EC
3b	Quantity of ROM mineral production proposed	2022-23=757400 tonnes	NIL	Mine is not in operation Since 2014-15 due to EC problem.
3c	Recovery of sailable/usable mineral from ROM production	492310 tonnes	NIL	Mine is not in operation Since 2014-15 due to EC problem.
3d	Quantity of mineral reject generation	265090 tonnes.	NIL	Mine is not in operation Since 2014-15 due to EC problem.
3e	Grade of mineral rejects generation and threshold value declared.	CaO < 34 %	NIL	No production
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL

3j	Provision of drilling and blasting in mineral benches	Rock breakers in combination with conventional / controlled blasting are practiced in this mine. Drilling machine is deployed to drill 32-45 mm diameter holes and also 115 mm diameter holes.	NIL	Mine is not in operation Since 2014-15 due to EC problem.
3k	Provision of mining machineries in mineral benches	Yes. proposed.	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes.10 m Height of the bench proposed.	NIL	Mine is not in operation Since 2014-15 due to EC problem
3m	Total area covered under excavation/pits	10.14 Ha	10.14 Hc.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:2.87	NIL	No production and development work.
3o	Total area put in use under different heads at the end of year	Mining-10.14Ha, Dump-8.57 Ha Road&Infrastru- cture - 0.74 Ha Green Belt- 4.90Ha	Mining-10.14Ha Dump-8.57 Ha Road&Infrastructure - 0.74 Ha Afforestation- 0.25 Hc.	Mine is not in operation Since 2014-15 due to EC problem
3p	Production of ROM mineral during the last five year period as applicable	2018-19=769000 tonnes. 2019-20=Nil 2020-21=245500 tonnes 2021-22=769000 tonnes 2022-23=757400 tonnes	2018-19=NIL 2019-20=Nil 2020-21=NIL 2021-22=NIL 2022-23=NIL	Mine is not in operation Since 2014-15 due to EC problem
3q	General remarks of inspecting officers on method of mining etc.	—	—	No mining operations carried out since 2014-15 onwards due to EC problem.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	North,NE of ML area between E805480-805590 N1271402-1271547	No separate dumps for topsoil, . OB/Mineral reject dumps Available	Mine is not in operation since 2014 onwards due to EC problem.
4b	Location of topsoil, OB and mineral reject dumps	North,NE of ML area between E 805602-805750 N1271852-271982	OB /Mineral reject dump exist.	Mine is not in operation since 2014 onwards due to EC problem.
4c	Number of dumps within lease area and outside of lease area	2	2	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL	Out side UPL	NIL
4e	Number of active and alive dumps.	2	2	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.	proposed.	NIL	Mine is not in operation since 2014 onwards due to EC problem.
4i	Length of Retaining wall or garland drain all along dumps	proposed.	NIL	Mine is not in operation since 2014 onwards due to EC problem.
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	—	—	Mine is not in operation since 2014 onwards due to EC problem.

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.	NIL	NIL	Mineral not completely extracted. Mine is not in operation since 2014 onwards due to EC problem.
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)	NIL	NIL	No Topsoil available.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mineral not completely extracted. Mine is not in operation since 2014 onwards due to EC problem.

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).	submitted.	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.5 HC	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
6d	No. of saplings planted during the year	400	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
6e	Cumulative no .of plants	—	Approximately 1200 plants	NIL

6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	130000	130000	Security personnels appointed.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x 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)Afforestation on on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	Pit will be converted into water reservoir at the end of life of pit.
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	NIL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	No mining operation in the mine since 2014 onwards due to Ec proble

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	757400 tonnes of ROM mineral.	NIL	Mine not in operation since 2014 onwards due to EC problem.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	NIL	Mine not in operation since 2014 onwards due to EC problem.
7c	Different grade of mineral sorted out at mines.	Cement grade limestone.	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	No mining operation in the mine since 2014 onwards due to Ec problem. No beneficiation methods adopted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for Topsoil removal.	NIL	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB/Reject dumps proposed.	Old dumps exist.	No mining operations in the mine since 2014 onwards.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	400 saplings	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
8g	Survival rate	80%	NIL	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed.	NIL	No mining operation in the mine since 2014 onwards due to Ec problem.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Natural grown and old plantation exist in lease area. No mining operation in the mine since 2014 onwards due to Ec problem.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	submitted.	Monthly and AR 2022-23 ,NIL returns submitted.	Mine not in operation since 2014 -15.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	Mine not in operation since 2014 -15.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Current workings - 10.140 HC. waste dump - 8.57 HC. Infrastructure - 0.74 Hc. Others - 31.14 HC.	NIL
9d	Scrutiny of Annual return on afforestation	Details given. 250 saplings planted.	Planted along boundary, roads, dump area.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	Mine not in operation since 2014 -15.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	Mine not in operation since 2014 -15.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	Mine not in operation since 2014 -15.
9h	Scrutiny of Annual return on fixed assets	Details given.	Rs. 32723531	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	Mine not in operation since 2014 -15.

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 :

(D.CHANDRA SEKHAR REDDY)

Indian Bureau of Mines