

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-26/HYD

Mine code : 38APR14036

- (i) Name of the Inspecting : KQ07) SHAIVAL KARTIKEYA
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 22/06/2021
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHANAKYA CEMENTS
- (b) Registration NO. : IBM/1099/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : TELANGANA
District : NALGONDA
Village : GANESHPAHAD
Taluka : DAMARCHERLA
Post office : WADAPALLY
Pin Code : 508355
FAX No. : 09848079847
E-mail : ganeshpahad@pennacement.co
Phone : 914023353945, 23353950, 98480
- (f) Police Station : WADAPALLY
- (g) First opening date : 21/01/2002
- (h) Weekly day of rest : SUN
2. Address for : GANESHPAHAD VILLAGE
correspondance : WADAPALLY POST, DAMARACHERLA MANDAL,
NALGONDA DISTRICT
3. (a) Lease Number : APR1098
- (b) Lease area : 354.23
- (c) Period of lease : ~~20~~ 50
- (d) Date of Expiry : 20/12/2021 ~~51~~
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PENNA CEMENT INDUSTRIES LTD
 PLOTNO.703,
 SRINIKETANCOLONYROADNO.3
 BANJARAHILLS.HYDERABAD
 HYDERABAD TELANGANA
 Phone:08558, 86055,86066
 FAX :08558-86044

Owner : D. Lakshmikantham
 M/s Penna Cement Industries
 Limited Lakshmi Nivas, Plot
 No. 705 Road
 No.3,Srinikethan Colony
 HYDERABAD TELANGANA
 Phone:
 FAX :

Agent : Shaik Mahaboob Basha
 M/s Penna Cement Industries
 Limited Village Ganesh
 Pahad, Po. Wadapally Distt.
 Nalgonda, Telangana 508355
 NALGONDA TELANGANA
 Phone: 08683-229714
 FAX :

Mining Engineer

Name : V. Lakshman Rao, Full Time
 Qualification : BTech Mining
 Appointment/ : 25/12/2015
 Termination date

Geologist

Name : D.SAMBIAH, Full Time
 Qualification : M.SC(GEOLOGY)
 Appointment/ : 25/07/2003
 Termination date

Manager

Name : M. Ramchander
 Qualification : B Tech Mining
 Appointment/ : 11/08/2016
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	20/11/2001
		Mining Scheme rule 12 MCDR1988	09/04/2007
		Mining Scheme rule 12 MCDR1988	15/10/2012
		MP review under 17(1) MCR 2016	24/06/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No previous backlog in exploration	N.A.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No exploration has been proposed in the F.Y. 2020-21	No exploration has been done during F.Y. 2020-21.	According to the last approved document, the entire mining lease area has been explored in G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N.A.	N.A.	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	N.A.	According to the last approved document, the entire mining lease area has been explored in G1 level of exploration.
1e	Balance reserve as on 01/04/20	Under (111): 80.49 Million Tonnes Under (211): 63.75 Million Tonnes	Under (111): 80.49 Million Tonnes Under (211): 63.75 Million Tonnes	Updated reserve and resource has been obtained from the last approved Modified Mining Plan dated 12/07/2021.

1f	General remarks of inspecting officers on geology, exploration etc	The mining lease area has gently undulating topography with relatively steeper slopes towards the Musi River and Krishna River. The mining lease area is the part of Palnad sub-basin, which in turn makes up to the northern tip of spectacular, crescent shaped Cuddapah Basin. The intercratonic Cuddapah Basin comprises essentially of a thick sedimentary sequences of rocks with minor intercalated volcanic of Proterzoic era.	The limestone deposits occurring in the lease area belongs to the Kurnool Group of Upper Proterozoic age. The rocks of Kurnool Group resting over the rocks of Cuddapah Super Group with a marked unconformity comprise of alternating sequence of quartzite, shales and limestone.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. 2020-21: In between UTM Co-ordinates in Pit no. 2 towards eastern side NE Corner N10810, E20640 NW Corner N10610, E20620 SW Corner N10080, E20080 SE Corner N10500, E20010	F.Y. 2020-21: In between UTM Co-ordinates in Pit no. 2 towards eastern side NE Corner N10810, E20640 NW Corner N10610, E20620 SW Corner N10080, E20080 SE Corner N10500, E20010	No major deviation has been observed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Toposil/OB: 01 no. Mineral: 03 nos.	Toposil/OB: 01 no. Mineral: 03 nos.	Nil
2c	Stripping ratio or ore to OB ratio	1: 0.01	1: 0.01	Nil
2d	Quantity of topsoil generation in m3	F.Y. 2020-21: 3920.00 CuM	F.Y. 2020-21: 3719.00 CuM	Nil

2e	Quantity of overburden generation in m3	F.Y. 2020-21: 10839.00 CuM	F.Y. 2020-21: 11698.00 CuM	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No major deviation has been observed. Development and production have been done within the proposed locations.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 no. Pit no. 2	01 no. Pit no. 2	Nil
3b	Quantity of ROM mineral production proposed	F.Y. 2020-21: 13,27,795.00 Metric Tonnes	F.Y. 2020-21: 1264000.00 Metric Tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	98%	100%	Nil
3d	Quantity of mineral reject generation	No mineral reject will be generated during F.Y. 2020-21	No mineral reject has been generated during F.Y. 2020-21	NIL
3e	Grade of mineral rejects generation and threshold value declared.	Not mentioned in the approved document.	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during F.Y. 2020-21	No mineral sub-grade has been generated during F.Y. 2020-21	Nil
3g	Grade of sub grade mineral generation	Not mentioned in the approved document.	Not Applicable	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	Proposal has been given in the approved document for segregation of the limestone from the ROM within working pit through the mechanized method.	Segregation of the limestone is being done within the working pit through the mechanized method.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed during F.Y. 2020-21	No beneficiation study has been done during F.Y. 2020-21	Nil
3j	Provision of drilling and blasting in mineral benches	Dia.: 115.00 mm Burden: 4.0 m Spacing: 6.0 m Depth: 9.0 m Type of Explosive: ANFO	Dia.: 115.00 mm Burden: 4.0 m Spacing: 6.0 m Depth: 9.0 m Type of Explosive: ANFO	Nil

3k	Provision of mining machineries in mineral benches	1. Wagon Drill 01 no. with 115 mm diameter bit size 2. Compressor 01 no. with 450 cfm / 200 ps capacity 3. Excavator-450 02 nos. with 3.0 CuM bucket size 4. Dumper 05 nos. with 20 CuM to 30 CuM carrier capacity 5. Dozer 01 no. 6. Water Tanker 01 no. 7. Explosive Van 01 no. 8. Mobile servicing Van 01 no. 9. Tavera 01 no. 10. Tata Mobile Van 01 no.	1. Excavator/Shovel 02 nos. with 3.0 CuM bucket capacity 2. Dumpers 05 nos. with 35.0 Metric Tonnes capacity 3. Air Compressor 02 no. with 12.0 CuM/Mn 4. Rock Drill 01 no. with 115 mm dia 5. Dozer 01 no. with 470 HP capacity 6. Water Tanker 01 no. with 15000 liter capacity 7. Explosive Van 01 no. with 5.0 Metric Tonne.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil/Overburden: 2.0 - 4.0 m Mineral/Ore: 8.0 m	Topsoil/Overburden: 2.0 - 4.0 m Mineral/Ore: 8.0 m	Nil
3m	Total area covered under excavation/pits	68.52 Ha. Up to the end of F.Y. 2021-22	63.187 Ha. Up to the end of F.Y. 2020-21	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.01	1:0.01	Nil

3o	Total area put in use under different heads at the end of year	Pit- 68.52 Ha. Waste/reject- 12.71 Ha. Others- 48.62 Ha. Up to end of F.Y. 2021-22	Pit- 63.187 Ha. Waste/reject- 0.784 Ha. Others- 35.32 Ha. Up to end of F.Y. 2020-21	Nil
3p	Production of ROM mineral during the last five year period as applicable	Yr- 2016-17: 1499998.00 Metric Tonnes Yr- 2017-18: 1332811.00 Metric Tonnes Yr- 2018-19: 1314255.00 Metric Tonnes Yr- 2019-20: 1327222.00 Metric Tonnes Yr- 2020-21: 1327795.00 Metric Tonnes	Yr- 2016-17: 1235985.00 Metric Tonnes Yr- 2017-18: 1221188.00 Metric Tonnes Yr- 2018-19: 1474201.00 Metric Tonnes Yr- 2019-20: 1261440.00 Metric Tonnes Yr- 2020-21: 1258083.00 Metric Tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.			Mining is being done through the opencast method with fully mechanized means using conventional method of drilling and blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	<p>Proposal has been given in the approved document for separate dumping of topsoil and OB within lease area in between UTM co-ordinates Overburden (Within Pit No. 2): N1849300 to N1849300 and E359375 to E359500</p> <p>Topsoil (Along 7.5 barrier zone): (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150</p>	<p>Separate dumping of topsoil and OB have been done within lease area in between UTM co-ordinates Overburden (Within Pit No. 2): N1849300 to N1849300 and E359375 to E359500</p> <p>Topsoil (Along 7.5 barrier zone): (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150</p>	NIL
4b	Location of topsoil, OB and mineral reject dumps	<p>Overburden (Within Pit No. 2): N1849300 to N1849300 and E359375 to E359500</p> <p>Topsoil (Along 7.5 barrier zone): (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150</p>	<p>Overburden (Within Pit No. 2): N1849300 to N1849300 and E359375 to E359500</p> <p>Topsoil (Along 7.5 barrier zone): (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150</p>	Nil

4c	Number of dumps within lease area and outside of lease area	Overburden: 01 nos. Topsoil: 02 nos.	Overburden: 01 nos. Topsoil: 02 nos.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Overburden: 01 no. within ultimate pit limit in Pit no. 2 Topsoil: 02 nos. beyond ultimate pit limit.	Overburden: 01 no. within ultimate pit limit in Pit no. 2. Topsoil: 02 nos. beyond ultimate pit limit.	Proposal for dumping in pit no 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021.
4e	Number of active and alive dumps.	Active OB: 01 no. Topsoil: 02 nos.	Active OB: 01 no. Topsoil: 02 nos.	Nil
4f	Number of dead dumps.	15 nos.	15 nos.	Old abandoned dumps.
4g	Number of dumps established.	15 nos.	15 nos.	Old abandoned dumps are stabilized.
4h	Whether Retaining wall or garland drain all along dumps are there.	As the overburden will be kept in Pit no. 2 for the purpose of backfilling in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500, hence, no such proposal has been given in the approved document for construction of Retaining wall and garland drain along the waste dump.	Overburden has been kept in Pit no. 2 for the purpose of backfilling in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500, hence, no Retaining wall and garland drain have been constructed along the waste dump.	Proposal for dumping in pit no 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021.

4i	Length of Retaining wall or garland drain all along dumps	Not mentioned in the approved document.	Not applicable	Nil
4j	Number of settling ponds	No proposal has been given in the last approved document for construction of settling ponds.	No settling ponds have been constructed.	Nil
4k	Specific comments of inspecting officer on waste dump management			Proposal for dumping of overburden and waste in pit no. has been modified in the latest approved Modified Mining Plan dated 12/07/2021.

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.	Backfilling in pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500 has been proposed over siliceous limestone at pit bottom.	Backfilling in pit no. 2 in between UTM co-ordinates N1849300 and E359375 to E359500 has been done over siliceous limestone.	Proposal for dumping of overburden and waste in pit no. 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021.
5b	Area under backfilling of mined out area	Backfilling has been proposed at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	Backfilling is being done at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	Proposal for dumping of overburden and waste in pit no. 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal has been given in the approved document for use of topsoil for ground restoration in between UTM co-ordinates (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150	Topsoil has been utilized for ground restoration along 7.5 m barrier zone in between UTM co-ordinates (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150	Nil
5d	Total area fully reclaimed and rehabilitated	Proposal has been given in the approved document for backfilling in Pit no. 2 at pit bottom and the rehabilitation work along 7.5 m barrier zone.	Being done as per proposal.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Proposal for dumping of overburden and waste in pit no. 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021. Dumping of overburden and waste at pit bottom has been stopped.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Submitted before due date.	Information has been cross verified during inspection.	No major deviation has been found.
6b	Area available for rehabilitation (ha) .	Proposal has been given in the approved document for backfilling in pit bottom of Pit no. 2 over the siliceous limestone.	Backfilling in pit bottom of Pit no. 2 over the siliceous limestone is being done.	Proposal for dumping of overburden and waste in pit no. 2 has been modified in the latest approved Modified Mining Plan dated 12/07/2021.
6c	afforestation done (ha).	No proposal has been given in the approved document for reclamation and rehabilitation by backfilling in void areas.	No void area is present within mining lease area.	Nil
6d	No. of saplings planted during the year	Afforestation: 1710 nos. Area rehabilitated (ha): 0.822 Ha. Method of rehabilitation : By plantation	Afforestation: 1570 nos. Area rehabilitated (ha): 0.80 Ha. Method of rehabilitation: By plantation	Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.
6e	Cumulative no .of plants	Proposal has been given in the approved document for regular monitoring of the Ambient Air quality, Water quality and Noise Vibration from the core and buffer zone.	Being done as per proposal.	Nil

6f	Any other method of rehabilitation	Proposed through the Plantation.	Being done as per proposal.	No major deviation has been observed. Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.
6g	Cost incurred on watch and care during the year	Not mentioned in the approved document.	No records have been maintained.	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal has been given in the approved document for reclamation and rehabilitation by backfilling in void areas. Backfilling has been proposed at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	No void area is present within mining lease area. Backfilling is being done at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal has been given in the approved document for reclamation and rehabilitation by backfilling in void areas. Backfilling has been proposed at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	No void area is present within mining lease area. Backfilling is being done at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal has been given in the approved document for reclamation and rehabilitation by backfilling in void areas. Backfilling has been proposed at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500 Proposal for plantation has been given along 7.5 meter barrier zone.	No void area is present within mining lease area. Backfilling is being done at the pit bottom of Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500. Plantation has been done along the 7.5 m barrier zone.	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal has been given in the last approved document for making water reservoir under rehabilitation	Not applicable. Water reservoir under rehabilitation has not been made.	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Rehabilitation through plantation.	Being done as per proposal.	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	i) Afforestation: 1710 nos. ii) Area rehabilitated (ha): 0.822 Ha. iii) Method of rehabilitation : By plantation	i) Afforestation: 1570 nos. ii) Area rehabilitated (ha): 0.80 Ha. iii) Method of rehabilitation: By plantation	Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	i) Afforestation: 1710 nos. ii) Area rehabilitated (ha): 0.822 Ha. iii) Method of rehabilitation : By plantation	i) Afforestation: 1570 nos. ii) Area rehabilitated (ha): 0.80 Ha. iii) Method of rehabilitation: By plantation	Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	i) Afforestation: 1710 nos. ii) Area rehabilitated (ha): 0.822 Ha. iii) Method of rehabilitation : By plantation	i) Afforestation: 1570 nos. ii) Area rehabilitated (ha): 0.80 Ha. iii) Method of rehabilitation: By plantation	Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given in the approved document for regular monitoring of the Ambient Air quality, Water quality and Noise Vibration from the core and buffer zone.	Being done as per proposal.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No major deviation has been observed. Revised proposal for plantation has been given in the latest approved Modified Mining Plan dated 12/07/2021.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal has been given in the approved document for the segregation of limestone from ROM at pit head before dispatch. Almost 98% of limestone will be recovered from the ROM.	Being done as per proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized method has been proposed in the approved document for grade-wise mineral sorting of ROM at pit head	Being done as per proposal.	Nil

7c	Different grade of mineral sorted out at mines.	>40% CaO >10% SiO ₂ >0.40 MgO	>34% to <40% CaO >18% SiO ₂ >1.5 MgO	After bending of >40% CaO with >34% CaO is utilizing in the captive plan for cement manufacturing.
7d	Any beneficiation process at mines .	No beneficiation study has been proposed during F.Y. 2020-21	No beneficiation study has been done during F.Y. 2020-21	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			To meet out the plant requirement CaO with >34% is being done after the blended of >40% CaO.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal has been given in the approved document for separate removal and concurrent utilization of topsoil for ground restoration in between UTM co-ordinates (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150	Being done as per proposal.	Nil

8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent utilization of topsoil for ground restoration in between UTM co-ordinates (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150	Being done as per proposal.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal has been given in the approved document for separate dumping of overburden and topsoil in the earmarked locations within mining lease area.	Being done as per proposal.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been given in the approved document for backfilling through the overburden at pit botton of Pit no. 2 and ground rehabilitation through the topsoil along 7.5 m barrier zone within mining lease.	Being done as per proposal.	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration through the backfilling in Pit no. 2 in between UTM co-ordinates N1849300 to N1849300 and E359375 to E359500 and rehabilitation through the topsoil and plantation in between UTM co-ordinates (i) N1848725 to N1849100 and E358825 to 359100 (ii) N1848600 to N1849490 and E358715 to E359150 have been proposed.	Being done as per proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1710 nos. of sampling will be planted over an area of 0.822 Ha.	1570 nos. saplings have been planted over an area of 0.80 ha.	Nil
8g	Survival rate	Not mentioned in the approved document.	Approx 70%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust.	Being done as per proposal.	Nil

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Extensive plantation has been done to improve the aesthetic beauty of the mine.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to June 2021 Annual Returns: F.Y. 2020-21		Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri V. Lakshman Rao Geologist: Shri D. Sambaiah Manager: Shri M. Ramchander	Mining Engineer: Shri V. Lakshman Rao Geologist: Shri D. Sambaiah Manager: Shri M. Ramchander	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 63.187 Ha. Waste/reject- 0.784 Ha. Others- 35.32 Ha.	Pit- 63.187 Ha. Waste/reject- 0.784 Ha. Others- 35.32 Ha.	Nil
9d	Scrutiny of Annual return on afforestation	Within lease area: 1570 nos. Outside lease area: 1080 nos.	Within lease area: 1570 nos. Outside lease area: 1080 nos.	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject: NIL Grade: NIL	Mineral reject: NIL Grade: NIL	No mineral reject has been generated during F.Y. 2020-21
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM/Graded Ore (Limestone): 27954.00 Metric Tonnes	Closing Stock: ROM/Graded Ore (Limestone): 27954.00 Metric Tonnes	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: Rs. 0.0 Ex-Mine Price: Rs. 159.41 Per Metric Tonne Cost of Production: Rs. 159.41 Per Metric Tonne	Sale Value: Rs. 0.0 Ex-Mine Price: Rs. 159.41 Per Metric Tonne Cost of Production: Rs. 159.41 Per Metric Tonne	The entire produced limestone has been utilized in the captive plant.
9h	Scrutiny of Annual return on fixed assets	Rs. 1584180000.00	Rs. 1584180000.00	Nil
9k	Scrutiny of Annual return on mining machineries	Given in the annual returns.	Cross verified from the field logbooks.	Nil

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

Date :

(SHAIVAL KARTIKEYA)

Indian Bureau of Mines

