

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-217/HYD

Mine code : 38APR11194

- (i) Name of the Inspecting : KQ07) SHAIVAL KARTIKEYA
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri E. Vasudevan, Sr. DGM (Mines) & Shri Ganesh N. R
Official with
Designation
- (iv) Date of Inspection : 16-NOV-21
- (v) Prev.inspection date : 15-NOV-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : NANDAVARAM-VENKATA MINE
- (b) Registration NO. : 12134/2012
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : NANDAVARAM & VENKATA
Taluka : BANAGANAPALLI
Post office : NANDAVARAM
Pin Code : 518124
FAX No. : 04023118000
E-mail : crp.sjcpl@jothicement.com
Phone : 04066929696
- (f) Police Station : BANAGANAPALLY
- (g) First opening date : 10-OCT-18
- (h) Weekly day of rest : SUN
2. Address for : M/s. Sree Jayajothi Cements Pvt Ltd,
correspondance Sri NAGAR, Yanakandla (v),
Mandal: Banaganapalle, Dist.Kurnool.- 518124.
3. (a) Lease Number : 2
- (b) Lease area : 24.735 Ha.
- (c) Period of lease : 50 ym.
- (d) Date of Expiry : 27/09/2068
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S.SREE JAYAJOTHI CEMENTS LTD
KURNOOL ANDHRA PRADESH

Phone:

FAX :

Owner : Sri Chandra Shekher Pandey
Srinagar, Yanakandla
village,
Mandal.Banaganapalli, Yanaka
ndla, Dist.Kurnool.A.P.
518124. KURNOOL ANDHRA

PRADESH

Phone:

FAX :

Agent : Sri B.C.Gurivi Reddy
M/s Sree Jayajothi Cements
Pvt.Ltd Sri
Nagar, Yanakandla (v),
Mandal:Banaganapalle, Dist:K
urnool. KURNOOL ANDHRA

PRADESH

Phone: 7660013042 (Mobile.No.)

FAX :

Mining Engineer

Name : M.Ujjinappa, Full Time

Qualification : B.E. (Mining)

Appointment/ : 10-OCT-18

Termination date

Geologist

Name : P GANESH NARENDRA REDDY, Full Time

Qualification : MSC GEOLOGY

Appointment/ : 10-OCT-18

Termination date

Manager

Name : M.Ujjinappa

Qualification : B.E. (Mining)

Appointment/ : 10-OCT-18

Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP under 16(1) of MCR 2016 13-MAR-18
MP modif under 17(3) MCR 2016 18-DEC-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	F.Y. 2020-21: No Proposal F.Y. 2021-22: 04 nos. of Trial Pits with cumulative depth of 24.0 meters.	F.Y. 2020-21: NIL F.Y. 2021-22: 04 nos. of Trial Pits with cumulative depth of 21.0 meters.	The entire lease area has been explored under G1 level.
1b	Exploration over lease area for geological axis 1 or 2	No Proposal.	Nil, the entire mining lease area has been explored under G1 Level.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the approved document.	M/s Jayajothi Cements Private Limited.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal.	Nil, the entire mining lease area has been explored under G1 Level.	-
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2021 Under (111): 0.6134 Million Tonnes	Balance reserves as on 01.04.2021 Under (111): 1.1999 Million Tonnes	Average Grade of Limestone: CaO 40.56% - 50.91% SiO2: 5.64% - 18.56% Less production during F.Y. 2019-20 and 2020-21

1f General remarks
of inspecting
officers on
geology,
exploration etc

Kurnool Group of
rocks which are
equivalent to
Palnad Group
occupied the lease
area. The
lithounits
encountered in the
area are Limestone
(Tuffaceous) and
Shales. The Narji
formations in the
lease area
comprises Dull
White Limestone
nodules (Weathered
Limestone) and
powdery
(Tuffaceous
Limestone), Shales
and Flaggy
Limestone. Due to
secondary
formation, the
area is almost
horizontal and do
not exhibit any
strike and dip.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. 2: In between UTM co-ordinates N1700435 to N170755 and E205340 to E205790	Pit no. 2: In between UTM co-ordinates N1700380 to N170700 and E205345 to E205670	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal has been given in the approved document for separate benches of Topsoil and Mineral/Ore Topsoil: 01 no. Mineral: 02 nos.	Separate benches of Topsoil and Mineral/Ore have been maintained Topsoil: 01 no. Mineral: 02 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.0	1 : 0.0	-
2d	Quantity of topsoil generation in m3	21377.08 CuM	36352.00 CuM	Excess topsoil has been encountered in top bench.
2e	Quantity of overburden generation in m3	No waste will be generated during F.Y. 2020-21	NIL waste has been generated during F.Y. 2020-21	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development and production is being done through fully mechanized means.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 no.	01 no.	-
3b	Quantity of ROM mineral production proposed	F.Y. 2020-21: 300000.00 Metric Tonnes	F.Y. 2020-21: 230000.00 Metric Tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-

3d	Quantity of mineral reject generation	No mineral reject will be generated during plan period.	No mineral reject has been generated during F.Y. 2020-21.	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	NIL	-
3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during plan period.	No mineral sub-grade has been generated during F.Y. 2020-21.	-
3g	Grade of sub grade mineral generation	No proposal	NIL	-
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	No segregation is being carried out. Produced ROM directly dispatch to the captive plant.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal.	NIL	-
3j	Provision of drilling and blasting in mineral benches	No proposal has been given in the approved document for drilling and blasting.	No drilling and blasting has been carried out.	-

3k	Provision of mining machineries in mineral benches	1. Hydraulic Excavator 01 no. with 1.0 CuM bucket size. 2. Tippers 12 nos. with 25.0 Tonnes capacity 3. Water Tanker 01 no. with 10 KL capacity 4. Dewatering Pump 01 no. with 5 H.P. capacity 5. Jeep 01 no. with 60 H.P. capacity 6. Tractor Dozer 01 no. with 55 H.P. capacity	1. Back Hoe 01 no. with 1.0 CuM bucket size 2. Tipper 06 nos. with 20 Tonnes capacity 3. Dozer 01 no. with 55 H. P. 4. Water Tanker 01 no. with 10 KL capacity.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.50 m to 1.50 m Mineral/Ore: 5.0 m to 6.0 m	Topsoil: 0.50 m to 1.50 m Mineral/Ore: 5.0 m to 6.0 m	-
3m	Total area covered under excavation/pits	Not mentioned in the approved document.	7.772 Ha. up to end of F.Y. 2020-21	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.0	1 : 0.0	-
3o	Total area put in use under different heads at the end of year	Not mentioned in the approved document.	Pit- 7.772 Ha. Waste/reject- NIL Others- 2.306 Ha. Up to end of F.Y. 2020-21	-

3p	Production of ROM mineral during the last five year period as applicable	Yr. 2018-19: 300000.00 Metric Tonnes Yr. 2019-20: 300000.00 Metric Tonnes Yr. 2020-21: 300000.00 Metric Tonnes	Yr. 2018-19: 300000.00 Metric Tonnes Yr. 2019-20: 220000.00 Metric Tonnes Yr. 2020-21: 230000.00 Metric Tonnes	-
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3q General remarks of inspecting officers on method of mining etc.

Mining is being carried out through the opencast method with fully mechanized means without using drilling and blasting. Since the limestone is soft in nature and this can be excavated easily through the excavator, hence, no drilling and blasting has been proposed and adopted to excavate the limestone.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil has been proposed in the approved document.	Separate dumping of topsoil has been done.	-

4b	Location of topsoil, OB and mineral reject dumps	Topsoil: In between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	Topsoil: In between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	-
4c	Number of dumps within lease area and outside of lease area	02 nos.	02 nos.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dumping of Topsoil has proposed with ultimate pit limit.	Temporary dumping has been done within ultimate pit limit.	-
4e	Number of active and alive dumps.	02 nos.	02 nos.	-
4f	Number of dead dumps.	No Proposal.	NIL	-
4g	Number of dumps established.	No Proposal.	NIL	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal.	NIL	-
4i	Length of Retaining wall or garland drain all along dumps	No Proposal.	NIL	-
4j	Number of settling ponds	No Proposal.	NIL	-
4k	Specific comments of inspecting officer on waste dump management			NIL

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.	Proposal has been given in the approved document for full extraction of mineral/ore before starting backfilling.	Backfilling in Pit no. 1 is being done after full extraction of mineral/ore.	-
5b	Area under backfilling of mined out area	Pit no. 1: In between UTM co-ordinates N1700670 to N1700755 and E205490 to E205635 over 0.3053 ha.	Pit no. 1: In between UTM co-ordinates N1700650 to N1700760 and E205460 to E205585 over 0.219 ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal has been given in the approved document for utilization of Topsoil for ground restoration over the backfilled area.	Being done as per proposal.	-
5d	Total area fully reclaimed and rehabilitated	0.3053 Ha.	0.219 Ha.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			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).	Submitted before due date.	Submitted information has been cross verified during inspection.	-

6b	Area available for rehabilitation (ha) .	0.3053 Ha.	0.219 Ha.	Backlog of the Plantation over the backfilled area is being done during F.Y. 2021-22.
6c	afforestation done (ha) .	420 nos.	Not done	-do-
6d	No. of saplings planted during the year	255 nos.	Not done	-do-
6e	Cumulative no .of plants	675 nos.	NIL	-do-
6f	Any other method of rehabilitation	By Plantation	NIL	-do-
6g	Cost incurred on watch and care during the year	Rs. 300000/-	NIL	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.3053 Ha.	0.219 Ha.	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.8073 Ha.	0.494 Ha.	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	675 nos.	Not done	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	NIL	-do-

6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	By Plantation	Not done.	-do-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal.	340 nos.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	0.34 Ha.	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Plantation (7.5 m barrier zone)	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given in the approved document for regular monitoring of the environmental parameters in the core and buffer zone.	Being done as per proposal.	All the parameters are within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			NIL

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal.	NIL	-
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	No Proposal.	NIL	-
7c	Different grade of mineral sorted out at mines.	No Proposal.	NIL	-
7d	Any beneficiation process at mines	No Proposal.	NIL	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			NIL

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	F.Y. 2020-21: Proposal has been given in the approved document for separate removal of 21377.08 CuM of topsoil and stacking in between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	F.Y. 2020-21: 36352.00 CuM of topsoil has been generated and stacked in between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	-
8b	Concurrent use or storage of topsoil	Concurrent use of topsoil has been given in the approved document for ground restoration over 0.3053 Ha. backfilled area.	Concurrent use of topsoil has been done for ground restoration over 0.219 Ha. backfilled area.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Topsoil: In between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	Topsoil: In between UTM co-ordinates (i) N1700650 to N1700770 and E205450 to E205600 (ii) N1700490 to N1700600 and E205700 to 205840	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been in the approved document for utilization of waste rock for backfilling in 0.3053 Ha.	0.219 Ha. area has been backfilled during F.Y. 2020-21.	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	F.Y. 2020-21: Backfilling in 0.3053 Ha. of the mined out Pit no. 1.	F.Y. 2020-21: Backfilled 0.219 Ha. area in Pit no. 1	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	255 nos. of plantation over 0.3053 ha.	340 nos. of saplings have been plated over the 0.340 Ha. along 7.5 m barrier zone.	-
8g	Survival rate	Not mentioned.	Approx 70%	-
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 through the water tanker.	Being done as per proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			NIL

Compliance of Rule 45:

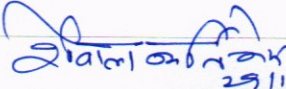
Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to October 2021. A.R. Submitted up to F.Y. 2020-21.	M.R. Submitted up to October 2021. A.R. Submitted up to F.Y. 2020-21.	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri M. Ujjnappa Mining Engineer: Shri M. Ujjnappa Geologist: Shri R. Prasanna Kumar	Manager: Shri M. Ujjnappa Mining Engineer: Shri M. Ujjnappa Geologist: Shri R. Prasanna Kumar	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 7.772 Ha. Waste/reject- NIL Others- 2.306 Ha.	Pit- 7.772 Ha. Waste/reject- NIL Others- 2.306 Ha.	NIL
9d	Scrutiny of Annual return on afforestation	340 nos. with 70% survival rate.	340 nos. with 70% survival rate.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject: NIL Grade: NIL	Mineral reject: NIL Grade: NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Graded Ore: NIL	Closing Stock: ROM: NIL Graded Ore: NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: NIL Ex. Mine Price: Rs. 194.26 Per Metric Tonne Cost of Production: Rs. 194.26 Per Metric Tonne	Sale Value: NIL Ex. Mine Price: Rs. 194.26 Per Metric Tonne Cost of Production: Rs. 194.26 Per Metric Tonne	NIL
9h	Scrutiny of Annual return on fixed assets	Rs. 28057960.00	Rs. 28057960.00	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
MCDR17 Rule 33		24-NOV-21			

Date :


(SHAIVAL KARTIKEYA)

Indian Bureau of Mines

