

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST-17/HYD

Mine code : 38APR10028

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : ACCOMPANIED BY S/SHRI G.HARENDRA, QP, K.NARESH, GEOLO
Official with
Designation
- (iv) Date of Inspection : 13/10/2022
- (v) Prev.inspection date : 25/01/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SRI VENKATESWARA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KRISHNA
Village : VEDADRI
Taluka : JAGGAYAPET
Post office : VEDADRI
Pin Code : 521457
FAX No. :
E-mail :
Phone :
- (f) Police Station : CHILLAKALLU
- (g) First opening date : 20/02/2008
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE:VEDADRI, MANDAL:JAGGAIHPET,
correspondance DIST:KRISHNA.
3. (a) Lease Number : APR2658
(b) Lease area : 38.44
(c) Period of lease : 20
(d) Date of Expiry : 17/01/2030
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : D.UMA MAHESWARA REDDY
 CHILAKUR (M), THIMMANAGARAI
 PALEM(V) NELLORE ANDHRA
 PRADESH
 Phone:
 FAX :

Owner : UMAMAHESWAR RAO
 VEDADRI VILLAGE JAGGAIAPET
 MANDAL KRISHNA ANDHRA
 PRADESH
 Phone:
 FAX :

Agent : SRI P.RAMA KRISHNA RAO.
 M/S HEMADRI CEMENTS LTD,
 VILL& POST: VEDADRI, DIST:
 KRISHNA, KRISHNA ANDHRA
 PRADESH
 Phone: 08678-284538
 FAX : 0878- 284859

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	18/04/2008
Plan/Scheme of Mining		MP modif under MCR 1960	01/03/2016
		MP review under 17(1) MCR 2016	15/05/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration has been proposed during F.Y. 2021-22	Not applicable	-
1b	Exploration over lease area for geological axis 1 or 2	No exploration has been proposed during F.Y. 2021-22	Not applicable	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the last approved document.	Not applicable	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No exploration has been proposed during F.Y. 2020-21	Not applicable	-
1e	Balance reserve as on 01/04/20	As on 01/04/2022 =5.652 Million Tonnes	As on 01/04/2022 =5.652 Million Tonnes	-

1f	General remarks of inspecting officers on geology, exploration etc	The area comprises of an undulating hilly type of terrain making up north-western and south-eastern slope of a hillock with a peak occupying the mid portion of the area. The lease area is situated near the northeastern tip of the Cuddaph Basin and forms the eastern most extent of the Palnad sub-basin, comprises Jammalamadugu series of the sedimentary of the Proterozoic era.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. 2021-22: In between UTM co-ordinates N-1858880-185855, E-408879-408933	co-ordinates N-1858780-185820, E-408895-408950	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benching of the topsoil, overburden and mineral have been proposed in the approved document. Topsoil/OB: 05 nos. Mineral/Ore: 03 nos.	Separate benching of the topsoil, overburden and mineral have been maintained. Topsoil/OB: 05 nos. Mineral/Ore: 03 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 1.1	1 : 1.1	-

2d	Quantity of topsoil generation in m3	No topsoil will be generated during review period.	Not applicable.	-
2e	Quantity of overburden generation in m3	90,863 CuM	65,347 CuM	--
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	149759.67 Metric Tonnes	149500 Metric Tonnes	--
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	--
3d	Quantity of mineral reject generation	No mineral reject will be generated during Review period.	No mineral reject has been generated during F.Y. 2021-22	--
3e	Grade of mineral rejects generation and threshold value declared.	Not mentioned in the approved document	Not applicable.	--
3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during Review period.	No mineral sub-grade has been generated during F.Y. 2021-22	--
3g	Grade of sub grade mineral generation	Not mentioned in the approved document.	Not applicable.	--

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised segregation of Limestone from ROM has been proposed through the shovel before loading	Being done as per proposal.	--
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed in the approved document.	Not applicable	--
3j	Provision of drilling and blasting in mineral benches	Dia.: 110-115 mm Burden: 3.0 m Spacing: 3.5 m Depth: 6.0 m - 7.7 m Explosive: ANFO	Dia.: 110-115 mm Burden: 3.0 m Spacing: 3.5 m Depth: 6.0 m - 7.7 m Explosive: ANFO	--

3k	Provision of mining machineries in mineral benches	1. Wagon Drill 01 no. with 110 mm diameter bit size 2. Compressor 01 no. with 600 CFM capacity 3. Excavator 02 nos. with 0.90 CuM bucket capacity 4. Tippers 07 nos. with 17.0 tonnes capacity 5. Rock Breaker 01 no. with 80 TPH capacity 6. Water Tanker 01 no. with 10 KL capacity 7. Tractor Dozer 01 no. with 50 HP capacity 8. Servicing Van 01 no. 9. Explosive Van 01 no. with 3 ton capacity 10. Jeep 01 no. 11. Ambulance 01 no.	1. Excavator 02 nos. with 0.90 CuM bucket capacity 2. Tippers 05 nos. with 7.0 CuM capacity 3. Wagon Drill 01 no. with 110 mm diameter bit size 4. Compressor 01 no. with 16.990 CuM/MN capacity	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil/OB: 4.0 m Mineral/Ore: 7.0 m	Topsoil/OB: 4.0 m Mineral/Ore: 7.0 m	--
3m	Total area covered under excavation/pits	13.072 Ha. up to end of F.Y. 2022-23	12.76 up to end of F.Y. 2021-22	--
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.1	1 : 1.1	--

3o	Total area put in use under different heads at the end of year	Pit- 13.072 Ha. Waste/reject- 2.60 Ha. Others- 0.668 Ha. Up to end of F.Y. 2022-23	Pit- 12.76 Ha. Waste/reject- 0.040 Ha. Others- 0.668 Ha. Up to end of F.Y. 2020-21	--
3p	Production of ROM mineral during the last five year period as applicable	Metric Tonnes Yr. 2017-18: 150150.00 Metric Tonnes Yr. 2018-19: 149888.600 Metric Tonnes Yr. 2019-20: 149955.760 Metric Tonnes Yr. 2020-21: 149729.165 Metric Tonnes, 2021-22=149759.67 MT	FY2017-18: 118900 MT FY2018-19: 128600MT FY2019-20: 124500MT FY2020-21: 146000 MT FY2021-22: 149500 MT	--
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	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal has been given in the approved document for separate stacking Waste/Overburden in the earmarked locations within lease area.	Separate dumping of overburden/waste is being done in the earmarked locations within lease area.	--
4b	Location of topsoil, OB and mineral reject dumps	OB/Waste: In between UTM co-ordinates N-1858555-1858251, E-408232-408412	OB/Waste: In between UTM co-ordinates N-1858555-1858251, E-408232-408412	--

4c	Number of dumps within lease area and outside of lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed beyond ultimate pit limit.	Situated beyond ultimate pit limit.	--
4e	Number of active and alive dumps.	Active/Alive: 01 no.	Active/Alive: 01 no.	--
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.	Proposal has been given in the approved document for maintenance of the existing Retaining Wall along waste dump.	Being done as per proposal.	
4i	Length of Retaining wall or garland drain all along dumps	Proposal has been given in the approved document for maintenance of the existing Garland Drain along waste dump as well as 150 meters new Garland Drain along waste dump will be constructed.	Being done as per proposal. 150 meters Garland Drain along waste dump has been constructed.	--
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.	No proposal	Nil	--
5b	Area under backfilling of mined out area	No proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal, as no topsoil will be generated during Review Period	Nil	
5d	Total area fully reclaimed and rehabilitated	0.1 ha. nonmineralized area will be rehabilitated through the 500 nos. of plants during F.Y. 2021-22	0.1 ha. non-mineralized area has been rehabilitated through the 500 nos. of plants during F.Y. 2021-22	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

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.	Information has been cross verified during inspection.	No major deviation has been found.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	No proposal.	Nil	
6d	No. of saplings planted during the year	No proposal.	Nil	
6e	Cumulative no .of plants	No proposal.	Nil	

6f	Any other method of rehabilitation	No proposal.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposal.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	500 nos.	500 nos.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.10 Ha.	0.10 Ha.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	By plantation	By plantation	
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 prescribed limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral with above 35% CaO will directly dispatch to the captive plan.	ROM mineral with above 35% CaO is being dispatched to the captive plant. Sorting of the limestone produced from the contact zone is being segregated within the working pit before its dispatch to the captive plant.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mecahnised sorting with the help of excavator has been proposed in the approved document.	Being done as per proposal.	
7c	Different grade of mineral sorted out at mines.	ROM mineral with above 35% CaO will be sorted out before dispatch.	Being done as per proposal.	

7d	Any beneficiation process at mines .	No beneficiation study has been proposed in the approved document during Review period	Not applicable.	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal, as no topsoil will be generated during Review period.	Not applicable.	--
8b	Concurrent use or storage of topsoil	No proposal	Nil	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separatedumpin g of overburden and waste has been proposed in between UTM co-ordinates N-1858555-1858251, E-408232-408412	Separatedumping of overburden and waste has been proposed in between UTM co-ordinates N-1858555-1858251, E-408232-408412	--
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.1 ha.non-mineralized area will be rehabilitated through the 500 nos. of plants during F.Y. 2021-22	0.1 ha. non-mineralized area has been rehabilitated through the 500 nos. of plants during F.Y. 2021-22	--
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 nos. of samplings will be planted over 0.10 ha. nonmineralised area during F.Y. 2021-22.	500 nos. of samplings have been planted over 0.10 ha. non-mineralised area during F.Y. 2021-22.	--
8g	Survival rate	Not mentioned in the approved document.	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			Plantation is done in the 7.5m safety zone.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	To be submitted as per rule	Lessee paid penalty for late submission of monthly returns of Rs.40000- (Rupees forty thousand only) Late submission of returns: October 2021=1 day, December 2021=1 day, March 2022 = 2 days.	Lessee paid penalty for late submission of monthly returns of Rs.40000- (Rupees forty thousand only) Late submission of returns: October 2021=1 day, December 2021=1 day, March 2022 = 2 days.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Rasool Khan Pathan MiningEngineer : Rasool Khan Pathan Geologist: Shri K. Naresh Kumar	Mining Engineer & Geologist working as per submission.	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 12.76Ha. Waste/reject- 0.040 Ha. Others- 0.668Ha	Pit- 12.76 Ha. Waste/reject- 0.040 Ha. Others- 0.668Ha.	--
9d	Scrutiny of Annual return on afforestation	Within lease Area: 500 nos. with 70% survival rate	Within lease Area: 500 nos. with 70% survival rate	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No proposal	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No proposal	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value:Nil Ex-mine Price: Rs. 250.00 Per Metric Tonne Cost ofProduction: Rs. 250.00 Per Metric Tonne	Sale Value: Nil Ex-mine Price: Rs. 250.00 Per Metric Tonne Cost of Production: Rs.250.00 Per Metric Tonne	--

9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.7674086958/	Fixed assest could not be verified.	--
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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

Date :**(D.P.Ravi kumar)**

Indian Bureau of Mines