

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

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/GLB/LST-52/BNG

Mine code : 38KAR10023

- (i) Name of the Inspecting : **S47**) **DR. Sudhakara T.L**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri.Kiran Naidu Mine Manager, Sri Saddique Basha Min
Official with
Designation
- (iv) Date of Inspection : 18/10/2021
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KODLA LIMESTONE MINE ML 2**
- (b) **Registration NO.** : **IBM/960/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : GULBARGA
- Village : KODLA & BENKANHALLI
- Taluka : SEDAM
- Post office : SEDAM
- Pin Code : 585222
- FAX No. : 01462-228117
- E-mail : shreebwr@shreecement.com
- Phone : 01462-228101
- (f) Police Station : Sedam
- (g) First opening date : 05/12/2016
- (h) Weekly day of rest : SUN
2. Address for : KODLA VILLAGE
correspondance : SEDAM TALUK
GULBARGA DISTRICT, KARNATAKA
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHREE CEMENT LTD.
 P B No. 33, Bangur Nagar
 Beawar P O BEAWAR
 RAJASTHAN
 Phone:
 FAX :

Owner : Prakash Narayan Chhangani, Whole Time Director
 Shree Cement Ltd. P.B. No.
 33, Bangur Nagar,
 Beawar, Ajmer, Rajasthan
 GULBARGA KARNATAKA
 Phone: 01462- 228101-0
 FAX : 01462-228117

Agent : Mahendra Kumar Garg
 M/s Shree Cement Ltd.
 bangur Nagar, Bewar
 GULBARGA KARNATAKA
 Phone: 9214337754
 FAX :

Mining Engineer
 Name : Saddique Basha, Full Time
 Qualification : B.E. (Mining)
 Appointment/ : 05/12/2016
 Termination date

Geologist
 Name : G.N.S. Rangarao, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ : 19/12/2016
 Termination date

Manager
 Name : Kiran Naidu,,
 Qualification : FCC
 Appointment/ : 05/12/2016
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14/05/2010
Plan/Scheme of Mining	:	Modif. approved Mining Scheme	06/03/2020
	:	Modif. of approved Mining Plan	23/02/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals	Nil	The whole potential mineralized area (517.61 ha) has already been explored under G1 level
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	G1 level exploration completed level exploration completed
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed.	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed.	Not Applicable	
1e	Balance reserve as on 01/04/20	Limestone 240.92 million tonnes as on 31/12/2021	Limestone 240.026 Million Tonnes as on 31/03/2021	Actual figures from Annual Returns 2020-21.
1f	General remarks of inspecting officers on geology, exploration etc			The lessee has explored the entire mineralized area (517.61 ha) under G1 level

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E300-E1100, S300- S1100	E500- E1100 S400- S1000	Lacking in proposed Development and Bench advancement is observed. Violation pointed out

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Bench proposed for Topsoil, overburden and Mineral.	Separate Bench maintained for Top soil, Overburden and Mineral.	Topsoil thickness: 0.20 - 0.25 Mtr Overburden : 0.25 to 2.0 mtrs. Mineral 1st Bench : 3-5 mtrs 2nd Bench : 11 - 12 mtrs 3rd Bench : 11 - 12 mtrs 4th Bench : 3 mtrs
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.06	Limestone: 2832011 tonnes OB: 172763 tonnes Limestone production about 25% less as proposed.
2d	Quantity of topsoil generation in m3	41200 tonnes	37980 tonnes	As reported by lessee, Top Soil generated during the year 2020-21 has been utilized for plantation in the safety zone. Top soil Stock as on 01.04.2021 : 23,170 Tonnes.
2e	Quantity of overburden generation in m3	139050 tonnes	172763 tonnes	Cumulative OB stock as on 01/04/2021 is 5,38,670 tonnes
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Lessee has proposed to produce 3.74 million tonnes of limestone, however, produced 2.83 million tonnes of Limestone, lacking in proposed Development and Bench advancement was observed. Violation issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	1 Nos. proposed	1 Nos. of Pit opened.	Pit dimension is 640m X 620m
3b	Quantity of ROM mineral production proposed	3.74 million tonnes	2.83 million tonnes	For less production, violation issued
3c	Recovery of sailable/usable mineral from ROM production	Proposed : 100 %	Achieved : 100 %	Complete ROM is used for Captive Consumption. No Mineral Reject generated.
3d	Quantity of mineral reject generation	Not Proposed	Not Applicable	Complete ROM is used/usable for Captive Consumption. No Reject material generated.
3e	Grade of mineral rejects generation and threshold value declared.	* Mineral Reject : Not Proposed * Threshold Value Declared : 34 % of Cao.	Mineral Reject : Not Applicable	Complete ROM is used/usable for Captive Consumption. No Reject material generated.
3f	Quantity of sub grade mineral generation.	Not Proposed	Not Applicable	Complete ROM generated is used/usable for captive consumption of Manufacturing Cement
3g	Grade of sub grade mineral generation	Not Proposed	Not Applicable	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not Applicable	NIL

3j	Provision of drilling and blasting in mineral benches	Drilling by Two 6-inch Dia. Drill Machine & Deep Hole Blasting Proposed.	Drilling conducted by Two 6-inch Dia Drill Machine (HRB 150). Deep Hole drilling & Blasting is practiced. Explosive being used : 1) ANFO with BMD. 2) Emulsion Explosive. 3) Cast Booster. 4) Shock Tubes (Nonel) used for detonation in hole and on surface for connection.	Dia. Of hole : 165 mm Avg. Spacing : 8.0 mtr Avg. Burden : 6.0 mtr Max. Depth : 12 mtr Powder Factor : 9 to 12 tonne/kg. Necessary Permission from DGMS obtained for use of HEMM with Deep Hole Drilling & Blasting under Reg 106(2)(b) of MMR,1961. Vide Letter No. 362067/SZ/Bellary Region/Perm/2020/3384 dated 14.01.2020
3k	Provision of mining machineries in mineral benches	For Modified Mining Plan Period from 2020 - 2022 Excavator- 05 Nos. Dumpers- 22 Nos. Drill M/c - 03 no. Dozer : 02 no. Water Tanker : 02 no. Explosive Van : 01 no. Maintenance Van : 01 no. Diesel Tanker : 01 no. Rock Breaker : 02 no. Soil Compactor : 01 no. Motor Grader : 01 no.	As on 01.04.2021 Excavator-03 Nos. Dumpers: 12 Nos. Drill M/c - 02 no. Dozer : 02 no. Water Tanker : 01 no., Explosive Van : 01 no. Maintenance Van : 01 no. Diesel Tanker : 01 no., Rock Breaker : 02 no. Soil Compactor : 01 no., Motor Grader : 01 no.	Lessee has deployed less number of excavator and dumpers due to EC for production of 12.5 Million Tonnes is still pending.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of Bench in OB- 1 meter Height of Bench in Limestone - 12 meter proposed	Height of Bench in OB- 1 meter max. Height of Bench in Limestone - 12 meter	Height of bench in Overburden is less than or equal to 01 Meter and less than or equal to 12 mtrs in mineral benches.
3m	Total area covered under excavation/pits	Proposed For Modified Mining Plan Period from 2020 - 2022 Area under Mining : 75.39 ha	Achieved at the end of financial year 2020 - 2021 Area under Mining : 27 ha	Total proposed area will be covered at the end of Modified Mining Plan Period.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.06	Limestone Production is approx. 25% less as compared to the target production; hence the stripping ratio is on higher side.
3o	Total area put in use under different heads at the end of year	Proposed For Modified Mining Plan Period from 2020 - 2022 (1) Area under Mining : 75.39 ha (2) Top Soil Storage : 1.48 ha (3) Waste dump site : 7.05 ha (4) Mineral Storage : 4.4 ha (5) Infrastructure : 2.0 ha (6) Roads : 3.2 ha (7) Others (25 MW Captive Solar Power Plant, etc.) : 71.8 ha (8) Plantation & R & R work : 4.34 ha Total : 169.66 ha	Achieved at the end of financial year 2020 - 2021 (1) Area under Mining : 27 ha (2) Top Soil Storage : 0.8 ha (3) Waste dump site : 3.4 ha (4) Mineral Storage : 4.4 ha (5) Infrastructure : 2.0 ha (6) Roads : 3.2 ha (7) Others (25 MW Captive Solar Power Plant, etc.) : 71.8 ha (8) Plantation & R & R work : 8.24 ha Total : 49.04 ha	Deviation in area under mining at dump is due to less production of limestone mineral.

3p	Production of ROM mineral during the last five year period as applicable	2015-16: 3.54 2016-17: 3.83 2017-18: 0.96 2018-19: 3.84 2019-20: 1.90 2020-21: 3.74 (in million tonnes)	2015-16: Nil 2016-17: Nil 2017-18: Nil 2018-19: 0.62 2019-20: 1.61 2020-21: 2.83 (in million tonnes)	As stated by lessee, production is not achieved as proposed due to following reasons (i) Nil production in 2015 - 16, 2016 - 17 & 2017 - 18 due to CFO not granted. (ii) Production in 2018-19 started late as CFO obtained on 07.09.2018 (iii) Less production in 19 - 20 & 20 - 21 due to low market demand.
3q	General remarks of inspecting officers on method of mining etc.			Mining was carried out in 01 pit as proposed. HEMM were used for Mine operations in combination with drilling and blasting. Lessee has produced 25% less ROM, violation pointed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	(i) For Topsoil Stacking as well as concurrent use. (ii) Separate Dumping for OB (iii) No mineral Reject.	(i) Separate dumping of Topsoil and Concurrent use for Plantation. (ii) Separate Dumping for OB is being done. (iii) No mineral Reject.	No Mineral reject generated. Separate dumping of OB and Top soil done as proposed

4b	Location of topsoil, OB and mineral reject dumps	(i) Top Soil stock E1200-E1500 S100-S200 (ii) OB Dump Dump no. 01 : E800-E1200, S00-S200 Dump no. 02 : E370-E620, S120-S240 Dump no. 03 : E1180-E1720, S00-S180 (iii) Mineral Reject : Not Proposed.	(i) Top Soil stock E1200-E1300 S120-S180 (ii) OB Dump Dump no. 01 : E870- E1130, S50-S180 Dump no. 02 : E370-E620, S120-S240 Dump no. 03 : E1600-E1720, S120-S180 (iii) Mineral Reject : Not Applicable.	Location of OB and Top soil dumps are in line with Modified Mining Plan. No Mineral reject generated.
4c	Number of dumps within lease area and outside of lease area	With In Lease Area : 01 No of Top Soil dump & 3 Nos. of OB dumps Proposed Outside Lease Area : Nil Proposed.	With In Lease Area : 01 No of Top Soil dump and 3 Nos. of OB dumps are in active stage. Outside Lease Area : Nil	All the dumps are within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL	Inside UPL	All dumps are within UPL. Dumps are temporary in nature and will be handled once area for backfilling available.
4e	Number of active and alive dumps.	Proposed : Top Soil dump : 01 No OB dump: 03 Nos..	Top Soil dump : 01 No OB dump: 03 Nos. is in active & alive stage.	As proposed
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	Nil proposed.	Nil	All Dumps are in active stage.

4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining Wall and Garland drain proposed all along the dumps as per details are as follows: Top Soil dump: RW : 300 Mtr GD : 310 Mtr OB Dump No. 01 : RW : 300 Mtr GD : 310 Mtr OB Dump No. 02 : RW : 160 Mtr GD : 170 Mtr OB Dump No. 03 : RW : 150 Mtr GD : 160 Mtr Total RW : 910 Mtr GD : 950 Mtr	Retaining Wall and Garland drain prepared along the dumps constructed as per details below Top Soil dump: RW : 100 Mtr GD : 160 Mtr OB Dump No. 01 : RW : 300 Mtr GD : 310 Mtr OB Dump No. 02 : RW : 160 Mtr GD : 170 Mtr OB Dump No. 03 : RW : 150 Mtr GD : 160 Mtr Total RW : 710 Mtr GD : 800 Mtr	Retaining wall and garland drain constructed all along the existing dumps. Less in meterage of construction due to less production and waste/OB generation.
4i	Length of Retaining wall or garland drain all along dumps	Top Soil dump: RW : 300 Mtr GD : 310 Mtr OB Dump No. 01 : RW : 300 Mtr GD : 310 Mtr OB Dump No. 02 : RW : 160 Mtr GD : 170 Mtr OB Dump No. 03 : RW : 150 Mtr GD : 160 Mtr Total RW : 910 Mtr GD : 950 Mtr	Top Soil dump: RW : 100 Mtr GD : 160 Mtr OB Dump No. 01 : RW : 300 Mtr GD : 310 Mtr OB Dump No. 02 : RW : 160 Mtr GD : 170 Mtr OB Dump No. 03 : RW : 150 Mtr GD : 160 Mtr Total RW : 710 Mtr GD : 800 Mtr	It was proposed to construct 300m Retaining wall and 310m Garland drain all along the toe of Top soil dump. During the inspection it is observed that only 100 m retaining wall and 160m Garland drain had been constructed all along the toes of the Top soil dump. Violation pointed out.
4j	Number of settling ponds	NIL	NIL	NIL

4k	Specific comments of inspecting officer on waste dump management	All the dumps are at proposed locations and all are active dumps. It was proposed to construct 300m Retaining wall and 310m Garland drain all along the toe of Top soil dump. During the inspection it is observed that only 100 m retaining wall and 160m Garland drain had been constructed all along the toes of the Top soil dump. Violation pointed out.
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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.	Not Proposed.	Not Applicable	Nil
5b	Area under backfilling of mined out area	Not Proposed.	Not Applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use as well as stacking of Topsoil proposed	Top soil stacked separately and used for plantation as proposed.	Top soil used for plantation.
5d	Total area fully reclaimed and rehabilitated	Not Proposed.	Not Applicable	Nil

5e	General remarks of inspecting officers on backfilling and reclamation etc.	There is no proposal for backfilling. OB and top soil stored separately for future use of backfilling. Top soil also used for plantation along the lease boundary (safety zone).
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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).	Annual report on PMCP to be submitted before 1st July	Annual report on PMCP has been submitted for FY 2020-21 on 21.06.2021	Timely submitted.
6b	Area available for rehabilitation (ha) .	No worked out benches available, hence no proposal.	Not applicable	Nil
6c	afforestation done (ha).	0.66 Ha	3.35Ha	Plantation done in 3.35ha area along the lease boundary (safety zone)
6d	No. of saplings planted during the year	No. of plants inside ML: 1650 Outside ML: 20385	No. of plants planted inside ML: 8299 Outside ML: 7800	Lessee stated that outside ML plantation done less due to Covid-19 pandemic.
6e	Cumulative no .of plants	In Total from 2017 - 2021 : Within Lease Area : 14470 Outside Lease Area : 45080	In Total from 2017 - 2021 : Within Lease Area : 18461 Outside Lease Area : 42300	Lessee stated that outside ML plantation done less due to Covid-19 pandemic
6f	Any other method of rehabilitation	Not Proposed	Not Applicable	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	Not Applicable	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No area available for Backfilling, hence no proposal	Not Applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No area available for Backfilling, hence no proposal	Not Applicable	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No area available for Backfilling, hence no proposal	Not Applicable	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No area available for Backfilling, hence no proposal	Not Applicable	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No area available for Backfilling, hence no proposal	Not Applicable	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2020 - 21 : Within Lease Area : 1650 Survival Rate : 85 % Outside Lease Area : 20325 Survival Rate : 85 % In Total from 2017 - 2021 : Within Lease Area : 14470 Outside Lease Area : 45080	2020 - 21 : Within Lease Area : 8299 Survival Rate : 87 % Outside Lease Area : 7800 Survival Rate : 86 % In Total from 2017 - 2021 : Within Lease Area : 18461 Outside Lease Area : 42300	As stated by lessee following plant species planted: Pongamia, Amaltas, Neem, Gulmohar, Ficus Religiosa, Peltophorm, Pongamia, Jacaranda, Alistonia, Conocarpus, Casia Semia, Rain Tree, Ashoka, Dubai Tree.
				Lessee stated that due to Covid-19 Pandemic less plantation in Outside Lease Area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2020 - 21 : Within Lease Area : 0.66 Outside Lease Area : 8.13 In Total from 2017 - 2021 : Within Lease Area : 5.79 Outside Lease Area : 16.26	2020 - 21 : Within Lease Area : 3.35 Outside Lease Area : 3.2 In Total from 2017 - 2021 : Within Lease Area : 8.24 Outside Lease Area : 18.90	During 2020 - 2021 due to Covid Pandemic less plantation in Outside Lease Area.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Proposed by plantation.	Rehabilitation is being done by plantation.	Complied with
6p	Compliance of environmental monitoring (core zone and buffer zone)	(i) AIR & Noise monitoring Frequency- Quarterly (ii) Water Quality- Six Monthly Proposed	1) AAQ monitoring doing on monthly basis by the Instrument APM 550 & APM 460 of Envirotech. 2) Noise monitoring doing on Monthly basis. 3) Water Quality monitoring doing on Quarterly basis by sending samples to Vimta Labs Limited, Hyderabad	Environmental monitoring done by lessee and 3rd party monitoring done by Vimta labs Ltd., Hyderabad. Quarterly Return of Environment Monitoring parameters submitted.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The lessee has carried out the PMCP activities as proposed. Environmental monitoring done quarterly basis. The lessee has carried out the plantation within the lease as proposed, out side lease carried out less due to Covid-19 pandemic.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Whole ROM generated to be Dispatched, no sorting proposed	Whole ROM (Cement grade) generated is Dispatched, no sorting done.	Complete ROM (cement grade limestone) is used/usable for captive consumption, no mineral reject.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Proposed	Not Applicable	Nil
7c	Different grade of mineral sorted out at mines.	Not Proposed	Not Applicable	Nil
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no mineral reject produced, entire ROM (limestone above threshold value) excavated is being crushed and properly blended for required grade and utilized for captive consumption in the cement plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil proposed	Topsoil generated is utilized for Plantation concurrently and being stocked separately.	Top soil generated has been utilized for plantation and also stocked as proposed.
8b	Concurrent use or storage of topsoil	Storage & concurrent use is proposed.	Concurrently used for Plantation and stocked separately.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed for top soil : 01 No & overburden : 03 No. No dumps proposed for waste rock, rejects and fines.	Separate dump for Top Soil : 01 No. and Overburden : 03 Nos. are being worked and maintained. No dumps of Waste Rock, rejects or fines.	Complete ROM is used/usable for captive consumption, no mineral reject, waste rock or fines.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not Applicable	No mature waste dump available
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No pit or dump available for restoration, reclamation and rehabilitation , hence Not proposed.	Not Applicable	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information on existence of plantation & additional plantation to be done	Baseline information on existence of plantation & additional plantation has been done	Complied with
8g	Survival rate	85 %	88 %	
8h	Water sprinkling on roads to control airborne dust	Continuous sprinkling with Water Tanker.	Continuous sprinkling of Water with the help of Water Tanker in shifts on regular basis.	Water Tanker having capacity of 18 KL. Special type of sprinkling nozzles for creating Mist of water.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in and around the mine is good as lessee has carried out afforestation and other environmental protective measures as per the proposal.
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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to September 2021 A.R. Submitted up to 20 - 21		Monthly Return submitted for the month of September 2021 on dated 09.10.2021 vide letter no. SCL/IBM/KLM/21/225 Annual Return submitted for the year 2020 - 21 on dated 27.06.2021 vide letter no. STUT/IBM/KLM/21/163
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sh. Saddique Basha Geologist- Sh GNS Rangarao Mine Manager- Kiran Naidu	All the 03 Officers given in AR are present on the day of inspection	All the 03 Officers given in AR are present on the day of inspection

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(1) Area under Mining : 27 ha (2) Top Soil Storage : 0.8 ha (3) Waste dump site : 3.4 ha (4) Mineral Storage : 4.4 ha (5) Infrastructure : 2.0 ha (6) Roads : 3.2 ha (7) Others (25 MW Captive Solar Power Plant, etc.) : 71.8 ha (8) Plantation & R & R work : 8.24 ha Total : 49.04 ha	Appears to be correct	NIL
9d	Scrutiny of Annual return on afforestation	Within Lease Area : 8299 Nos, 3.35 ha Survival Rate : 87 % Outside Lease Area : 7800 Nos, 3.2 ha Survival Rate : 86 %	Appears to be correct	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Proposed.	Not applicable	Nil

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock : Opening Stock : 89084, Production : 2832011, Dispatches : 2416837, Closing Stock at the end of year 2020 - 21 is 504258 Tonnes Graded Ore : Nil	Appears to be correct	Complete ROM is used for captive consumption of manufacturing cement. No Reject generated.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value : Not Applicable Ex Mine Price : Rs. 194.71 Production cost : Rs, 65.10	Sale value not applicable due to captive use. Ex Mine Price : Rs. 194.71 Cost of production i. The other taxes not included in the cost of production. ii. As per Production of ROM, the depreciation value should be Rs. 20.48 per tonne, however it is mentioned Rs. 24.01 per tonne. Similarly the overhead cost value should be Rs. 14.56 per tonne, however it is mentioned as Rs. 17.07 per tonne.	There were some mistakes in calculation of cost of production. Violation pointed out under Rule 45(7) of MCDR.
9h	Scrutiny of Annual return on fixed assets	Estimated market value at the end of year 2020 -21 : Industrial : Rs. 54639270 Plant & Machinery : Rs. 23198658 Total : Rs. 77837928	Land value not provided and not taken into account while calculating the fixed assets.	Land value shown 'nil', however lessee has acquired the land, the value incurred towards land acquisition may be provided. Violation pointed out.

9k	Scrutiny of Annual return on mining machineries	Excavator-03 Nos. Dumpers: 12 Nos. Drill M/c - 02 no. Dozer : 02 no. Water Tanker : 01 no., Explosive Van : 01 no. Maintenance Van : 01 no. Diesel Tanker : 01 no, Rock Breaker : 02 no. Soil Compactor : 01 no., Motor Grader : 01 no.	Appears to be correct	Nil
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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
MCDR17	Rule 11(1)	26/10/2021			
MCDR17	Rule 45(7)(a)	26/10/2021			

Date :

(DR. Sudhakara T.L)

Indian Bureau of Mines