

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-188/HYD

Mine code : 38APR11138

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : L Sreenivasulu, Lessee
Official with
Designation
- (iv) Date of Inspection : 20-OCT-21
- (v) Prev.inspection date : 14-JUN-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KOCHERUVU(6.621 HA)
- (b) **Registration NO.** : IBM/8832/2012
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : KOCHERUVU
- Taluka : KURNOOL
- Post office : KOCHERUVU
- Pin Code : 518222
- FAX No. :
- E-mail : srinukocheruvu@gmail.com
- Phone : 9441233503
- (f) **Police Station** : DHONE
- (g) **First opening date** : 29-DEC-09
- (h) **Weekly day of rest** : SUN
2. **Address for** :
- correspondance**
3. (a) **Lease Number** : APR2806
- (b) **Lease area** : 6.62
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 26-NOV-29
4. **Mineral worked** : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the
Lessee : L.SRINIVASULU
MINE OWNER KURNOOL ANDHRA
PRADESH
Phone:
FAX :
6. Date of approval of Mining : MP modif under MCR 1960 10-AUG-15
Plan/Scheme of Mining : MP review under 17(1) MCR 2016 31-MAR-20
MP review under 17(1) MCR 2016 18-JUN-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved proposal for the year 2020-21	How ever the lessee has drilled 8 DTH bore holes during the year 2020-21.	
1b	Exploration over lease area for geological axis 1 or 2	No approved proposal for the year 2020-21	Exploration carried out under G1 area is 4.793 Ha & G2 area is 1.828 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the approved document	8 DTH bore holes drilled during the year 2020-21	Lessee himself carried out the exploration under the guidance of Qualified Person Expenditure incurred for Exploration is Rs 80000.00 (Including sampling and analysis) so far.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for the year 2020-21	8 DTH bore holes drilled during the year 2020-21. So far exploration carried out under in G1 level is 4.793 Ha & G2 level is 1.828 Ha	Area under G2 scale is 1.828 Ha, which is to be converted to G1 in the year 2021-22
1e	Balance reserve as on 01/04/20	121- 1708663 Tonnes	121- 1708663 Tonnes	As on 01.04.2021 as per recent RMP approved on 18.06.2021

1f	General remarks of inspecting officers on geology, exploration etc	Limestone formation of max 10m thickness is lying over Dolomite formation. NE-SW is the strike direction and dipping towards SE with dip amount ranging from 16 to 30 degrees. Explored carried out under G1 area is 4.793 Ha & G2 area is 1.828 Ha.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal during the year 2020-21	Production and Develoment activity was carried out in D-D' and E-E' sections.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for the F. Y. 2020-21	Benches are being developed in mineral only as top soil and over burden is not there.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3		No Top soil geenrated during the year 2020-21	
2e	Quantity of overburden generation in m3	No approved proposal for 2020-21	Nil during the year	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Bench are developed in Mineral only as there no anticipation of TOp soil and Overburden.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal for the year 2020-21	7 nos of pits were developed in the lease area so far	Mining operations were suspended by IBM 15.02.2021 and revoked on 22.06.2021
3b	Quantity of ROM mineral production proposed	No proposal for the year 2020-21	During 2020-21 : Production of Limestone reported : 8,820 MT Annual return not submitted	Dolomite production reported for 2020-21 was : 20170 MT (No returns submitted to this office as it is minor mineral) Mine was suspended by IBM on 05.02.2021 and subsequently revoked on 22.06.2021.
3c	Recovery of sailable/usable mineral from ROM production	No proposal for the year 2020-21	100%	
3d	Quantity of mineral reject generation	-	Nil during the year 2020-21	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable -		
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Mechanised method adopted for segregation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	No such beneficiation study done	No such proposal of beneficiation study is made by the lessee

3j	Provision of drilling and blasting in mineral benches	-do-	Drilling is being carried out by using JACK HAMMER drilling machine out and conventional blasting is being practice using ANFO based explosives.	
3k	Provision of mining machineries in mineral benches	No proposal	Develoment and production is being carried out by using Excavator-0.9 m3-1no Excavator-0.65 m3-1no Dumpers-12 tonners-2 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal during the year 2020-21	Bench height of 8 to 12 meters is observed	Proposal is made in the recent RMP document for reduction of bench height at the end of 2021-22
3m	Total area covered under excavation/pits	No proposal	About 3.0792 Ha area under excavation	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	No proposal	About 3.073 Ha as on date of inspection as reported by lessee.	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 = Lapse Period 2015-16 = 15930 tonnes 2016-17 = 13500 tonnes 2017-18 = 13500 tonnes 2018-19 = 10440 tonnes (As per Annexure-XII it is 19384 tonnes) 2019-20 = No Proposal, 2020-21 : No Proposal	2016-17 = 12260 tonnes 2017-18 = 9695 tonnes 2018-19 = 13550 tonnes 2019-20 = 15616 tonnes 2020-21 = 8820 tonnes	

3q	General remarks of inspecting officers on method of mining etc.	Mining operations are being carried out by mechanised means using Jack Hammer and Blasting by Conventional method using ANFO based explosives. Bench height to be reduced to 6 meters from the existing 8 to 12 meters which is under progress.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal during the year 2020-21	No waste generation.	One dump of Low grade Limestone is there in the lease.
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil for the year 2020-21	Sub grade Limestone is found stacked on Southern side of lease area
4c	Number of dumps within lease area and outside of lease area	F.Y 2020-21 : No proposal	No waste dump developed during the year	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Not applicable	
4e	Number of active and alive dumps.	-	No active dump observed in the lease area	
4f	Number of dead dumps.	No proposal	Not applicable	
4g	Number of dumps established.	F.Y 2021: No such proposal to establish of dead dump	Not applicable	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal in the year 2020-21	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	No retainng wall and Garland drain constructed	
4j	Number of settling ponds	No proposal in F.Y 2020-21	Nil	
4k	Specific comments of inspecting officer on waste dump management			One Low grade dump is there in the lease area. No impact to the surroundings is anticipated due to it

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.	No proposal for the year	Nil	No area is matured for backfilling
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			no area is matured for backfilling as ore is not yet exhausted

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No approved proposal for 2020-21	No area is matured for backfilling	
6b	Area available for rehabilitation (ha) .	-	Does not arise as no area is matured for backfilling	
6c	afforestation done (ha).	-	No plantation carried out during the year 2020-21	
6f	Any other method of rehabilitation	No approved proposal for 2020-21	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring of Air water Noise to be carried out regularly	No Monitoring of Air, Water, Noise is beong done	Violation pointed out
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation was carried out earlier to improve aesthetic beauty

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for F.Y 2020-21	ROM ore produced is being diapatched as there is no loss of mineral and 100% recovery	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-	Mechanised method adopted for sorting	
7c	Different grade of mineral sorted out at mines.	-	Limestone and Dolomite are being mined out seperately as Limestone is lying over Dolomite.	

7d	Any beneficiation process at mines	No proposal for F.Y 2020-21	No beneficiation is practised at present
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM ore generated is being sold in the market.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not applicable.	No topsoil generated during the year
8b	Concurrent use or storage of topsoil	No proposal.	No top soil generated during the F.Y 2020-21	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-	No mineral reject/ waste rock generated during the year. Hence not applicable	Low grade Limestone stock is there at present which was generated earlier and now got the market value and proposal in the recent document is made to sale in the market
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-	Not applicable	No area is matured for backfilling

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	No plantation carried out during the year 2020-21	Plantation is scanty in the area.
8g	Survival rate	-	Not applicable	
8h	Water sprinkling on roads to control airborne dust	-	Water sprinkling on road is being carried out to control airborne dust through the water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-		Plantation carried out earlier improves the aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. to be submitted up to September 2021 A.R. to be submitted up to F.Y. 2020-21	Monthly return up to September 2021 submitted. A.R up to 2019-20 submitted. A.R for the year 2020-21 not submitted	Violation for A.R pointed out earlier.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil, To be appointed	Not appointed	Violation was pointed out

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		
9d	Scrutiny of Annual return on afforestation	200 sapplings	Above plantation is carried out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	458 tonnes Graded Ore	Limestone stack in observed
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	COP- Rs. 160, SP- Rs.190, EMP- Rs.190	As submitted by lessee
9h	Scrutiny of Annual return on fixed assets	Rs. 8369500	As reported by lessee
9k	Scrutiny of Annual return on mining machineries	TIPPER 12.000 CUM 2 SHOVEL 0.600 CUM 1 SHOVEL 1.000 CUM 1 AIR COMPRESSOR 0.100 CUM/MN 1	The machineries reported by Lessee is observed in the lease area

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 54(b)	30-NOV-21		
MCDR17 Rule 55(1)(3)	30-NOV-21		

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines