

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TNL/LST-1- MDS

Mine code : 38TMN15002

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Balasubramanian, Agent (Mines)
Official with
Designation
- (iv) Date of Inspection : 27/02/2014
- (v) Prev. inspection date : 17/02/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KRISHNA
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : TAMIL NADU
- District : TIRUNELVELI
- Village : RAMAYANPATTI
- Taluka : TIRUNELVELI
- Post office : SETHURAYANPUDHUR
- Pin Code : 627358
- FAX No. : 0462 - 2339248
- E-mail : krishnamines@sancharnet.in
- Phone : 0462 - 2333200, 2333877
- (e) Police Station : SANKAR NAGAR
- (f) First opening date : 17/02/1958
2. Address for : M/s KRISNA MINES,
correspondance : 23, SRIPURAM
TIRUNELVELI JN.
3. (a) Lease Number : TMN0166
- (b) Lease area : 31.09
- (c) Period of lease : 6
- (d) Date of Expiry : 27/01/1989
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : KRISHNA MINES
 Post Box No 8, 23, SRIPURAM
 TIRUNELVELI TAMIL NADU
 Phone:2333200/2333877
 FAX :91-462-339248

Owner : K.SHANKAR, OWNER
 POST BOX NO - 8 23,
 SRIPURAM TIRUNELVELI TAMIL
 NADU
 Phone: 2333200/2333877
 FAX : 0462-2339248

Mining Engineer

Name : P.RAJESH, Full Time
 Qualification : BE(MINING)
 Appointment :
 date

Geologist

Name : S.V.VITTAL, Full Time
 Qualification : M.SC(GEOLOGY)
 Appointment :
 date

6. Date of approval of Mining : 17/02/2005
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS**1. Details about Average employment :**

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	4	356
Workers	24	356
Supervisory	16	356

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
Public transport		0.75			
Roads		0.27			
Others		0.75			
Environment management		0.26			
Training		5.00			
Communication		1.28			
Recreation		4.36			
TOTAL		12.67			

3. Write up on the status of additional prospecting/exploration including progressive improvement since last inspection.

The exploration proposed to be carried out for the year 2013-14 has not been carried out for which rule 13(1) of MCDR 1988 has been conveyed.

<u>RESERVE POSITION AS ON 01/04/2013</u>		
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	6282013	3910877 tonnes of high magnesia limestone
Probable		
Possible		
Total	6282013	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	370934	TON

<u>Exploration data as on 31/03/2013</u>		
No. of Boreholes	No. of Pits	No. of Trenches
0	0	0

<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013</u>

4. Assessment of mine development in respect of progressive improvement in scientific development of mine.

Mining is carried out systematically as per the proposals made in approved scheme of mining.

<u>PIT/UNDERGROUND DEVELOPMENT</u>			
			(In meters)
Pit No.	: main pit		
Pit size :	690mX500mX110m	Max. Depth :	110
		Overall slope angle :	45
	<u>No. of benches</u>	<u>Average height</u>	<u>Average width</u>
Overburden ->	7	10	12
Minerals ->	3	10	12

5. Describe briefly method of mining highlighting scientific changes in the methodology of mining observed leading to overall improvement.

Method of mining is presently worked by conventional system of mining, i.e., by carrying out deep hole drilling and blasting operations. It is a fully mechanised mine operations with heavy earth moving machineries. The height of benches is maintained at 9m and the width of the bench is maintained higher than the height of the bench. Pneumatically operated wagon drills of 100 - 115 mm diameter holes are engaged for carrying out drilling operations.

6. **Brief description of processing/beneficiation of mineral highlighting the progressive improvement.**

No beneficiation process is in practice .

7. **Hightlight of efforts made for conservation of mineral with reference to judicious exploitation of mineral deposit as well as utilisation of low grade mineral/mineral rejects and its stacking/preservation for use in future.**

No generation of sub grade mineral.All grades incuding High magnesia limestone is marckated to the needy industry .

Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	(In Ton.)
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8. **Hightlight of efforts made towards reclamation and rehabilitation of land degraded and progress made thereof.**

Not applicable .As the mine is working and not reaches that stage.

9. **Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.**

Environment monitoring is being carried out in the mine.Air quality is being monitored.All the parameters of ambient Air ie SPM,RPM,SO2,NOX,,CO are with in the permissable limits.

Water Management

Season	Station type	Station name	Parameter	Value	
				Actual	Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2012 - 2013

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2013

10. **Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.**

The .violations of rule 12(3) and 13(1) issued during previous inspection are found to be complied . During the current inspection violation for rule 13(1) was issued for not carrying out the proposed 5 no of bore hoples under exploration programme proposed . The violation has already been communicated to the lessee on 5.3.2014.

11. **A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.**

Not applicale at this stage.

12. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

Annual return submitted for the year 2012-13 has been verified and found to be in order.

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

Working under deemed extension .

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

NIL

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

Indian Bureau of Mines

NIL

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

NIL

(T K RATH)

Date :

Regional Controller Mines