

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

**Review and updation of Mining Plan REPORT**

**Chennai regional office**

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

**Mine code :** 38TMN15002

- (i) Name of the Inspecting : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR BALASUBRAMINIUM-GM-MINES, QP  
Official with  
Designation
- (iv) Date of Inspection : 08-FEB-20
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KRISHNA
- (b) **Registration NO.** : IBM/7025/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **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
- (f) **Police Station** : SANKAR NAGAR
- (g) **First opening date** : 17-FEB-58
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s KRISNA MINES,  
23,SRIPURAM  
TIRUNELVELI JN.
3. (a) **Lease Number** : TMN0166
- (b) **Lease area** : 31.09
- (c) **Period of lease** : 6
- (d) **Date of Expiry** : 27-JAN-89
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/ : 03-AUG-01  
 Termination date

## Geologist

Name : S.V.VITTAL, Full Time  
 Qualification : M.SC(GEOLOGY)  
 Appointment/ : 03-AUG-01  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14-FEB-91
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06-SEP-01
		Mining Scheme rule 12 MCDR1988	06-SEP-01
		Modif.of approved Mining Plan	12-AUG-05
		Mining Scheme rule 12 MCDR1988	31-JAN-12
		Renewal under rule 24 MCR1960	02-SEP-13
		MP review under 17(1) MCR 2016	07-NOV-17

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	16 NOS	NIL	NO E.C MINES NOT WORKING
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	12 LAKHS	NIL	NOT CARRIED OUT DUE TO LACK OF E.C
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	ALL AREA IS EXPLORED AND MINE PIT IS OPEN	NIL
1e	Balance reserve as on 01/04/20	8.22 MILLION TONES	8.22 MILLION TONNES	NIL, MINE NOT WORKING DUE TO WANT OF E.C
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY, MINE NOT WORKING DUE TO WANT OF E.C

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	south side of the lease from RL=-70 to -90 MRL bench heigth-10 mtr width=12 mtr	nil bench heigth-10 mtr width=12 mtr is maintained	mines not working due to want of e.c
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes no topsoil or very little topsoil(0.5mtr ) is present ob benches=3 limestone benches=4 nos	Ob =3 nos 1st =4 nos	mine not working due to want of e.c
2c	Stripping ratio or ore to OB ratio	1:1.71	nil	nil
2d	Quantity of topsoil generation in m3	nil	nil	nil

2e	Quantity of overburden generation in m3	448455 mt	nil	mine not working due to want of e.c
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	mine not working due to want of e.c

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	nil	nil
3b	Quantity of ROM mineral production proposed	(2018-19)= 261,010	nil	nil
3c	Recovery of sailable/usable mineral from ROM production	448455 mt	nil	nil
3d	Quantity of mineral reject generation	79139 mt	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	na	na	nil
3f	Quantity of sub grade mineral generation.	na	na	nil
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	mechainised method but mine not working	mines not working
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na	nil
3j	Provision of drilling and blasting in mineral benches	yes	nil	nil

3k	Provision of mining machineries in mineral benches	yes	no machine was deployed	mine not working due to want of e.c
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes height=10 mtr width=12 mtr	maintained height=10 mtr width=12 mtr	nil
3m	Total area covered under excavation/pits	23.354 ha	23.354 ha	nil
3n	Ore to OB ratio for the pit/mine during the year.	1:1.71	nil	nil

3o	Total area put in use under different heads at the end of year	1 Area of excavation 23.354 23.354 23.354 2 Storage of top soil Nil Nil Nil 3 Overburden/dump 3.010 3.776 3.776 4 Mineral Storage/Sub grade Nil Nil Nil 5 Infrastructure 1.183 1.183 1.183 6 Roads 0.170 0.170 0.170 7 Railways Nil Nil Nil 8 Tailing pond Nil Nil Nil 9 Effluent treatment plant Nil Nil Nil 10 Mineral Separation plant Nil Nil Nil 11 Town ship area Nil Nil Nil 12 Others (Green belt & Safety zone) 1.931 1.931 1.931 Total area utilized 29.648 30.414 30.414 Undisturbed area 1.444 0.678 0.6	nil	nil
3p	Production of ROM mineral during the last five year period as applicable	2014-15 285,106 2015-16 270,247 2016-17 348,522 2017-18 362,594 2018-19 448,455	2014-15 22796 mt 2015-16 0 2016-17 0 2017-18 0 2018-19 0	mine not working due to want of e.c

3q General remarks - - satisfactory  
of inspecting  
officers on  
method of mining  
etc.

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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)	yes	nil	nil
4b	Location of topsoil, OB and mineral reject dumps	northern side of the lease	nil	nil
4c	Number of dumps within lease area and outside of lease area	one inside two outside inactive	nil	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	nil	nil,mine not working
4e	Number of active and alive dumps.	one	one	nil
4f	Number of dead dumps.	two	two	nil
4g	Number of dumps established.	nil	nil	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	garland drains are made	nil
4i	Length of Retaining wall or garland drain all along dumps	400 mtr	400 mtr garland drains are maintained	nil
4j	Number of settling ponds	nil	pit are used as settling pond	nil
4k	Specific comments of inspecting officer on waste dump management	-	-	satisfactory.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO BACKFILLING STARTED	NIL	MINES NOT WORKING
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	YES	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

#### 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).	yes	yes	nil, mine not working
6b	Area available for rehabilitation (ha) .	nil	nil	nil
6c	afforestation done (ha).	2000 sapling	300 saplings planted along the boundary	Mine is not working due to want of e.c
6d	No. of saplings planted during the year	2000	300	mine not working
6e	Cumulative no .of plants	1320	1320	nil
6f	Any other method of rehabilitation	na	na	nil



6g	Cost incurred on watch and care during the year	49500	49500	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NO WASTE LAND AVAILABLE	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NO WASTE LAND AVAILABLE	NIL	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	CARRIED OUT ON QUARTERLY BASIS AS THE ADJECENT LEASE BELONGS TO SAME OWNER	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

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Mineral Conservation:

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

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NO TOP SOIL REMOVAL PLANNED	NIL	MINE NOT WORKING
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	ONLY OB/REJECTS MIXED AVAILABLE	ONE DUMP ONLY	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1320 NOS	1320 NOS	NIL
8g	Survival rate	85%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER SPRINKLING IS BEING DONE.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	SUBMITTED	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	PROVIDED	NIL	MINE NOT WORKING

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PROVIDED IN AR	FOUND SATISFACTORY	NIL
9d	Scrutiny of Annual return on afforestation	PROVIDED IN AR	MINE NOT IN OPERATION	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	MINE NOT IN OPERATION	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	MINE NOT IN OPERATION	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NO EX MINE PRICE AS MINE IS NOT IN OPERATION DUE TO WANT OF E.C	NIL
9h	Scrutiny of Annual return on fixed assets	ONLY LAND AND MACHINE COST	NIL	NIL AS MINE IS NOT IN OPERATION.
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	NIL

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**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

**Date :**

(SALIL SANDIP KUJUR)

Indian Bureau of Mines