

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/KAR/LST-14.MDS

**Mine code :** 38TMN28012

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Kumar,Rep of Lessee  
Official with  
Designation
- (iv) Date of Inspection : 06-JUL-18
- (v) Prev.inspection date : 19-DEC-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KALAYAPATTI LIMESTONE MIN**
- (b) **Registration NO.** : **IBM/9464/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : KARUR
- Village : KALAYAPATTI
- Taluka : KULITHALAI
- Post office : KURINKULATHUPATTY
- Pin Code : 621301
- FAX No. :
- E-mail : mkumartmm@gmail.com
- Phone : 9787778717
- (f) Police Station : Velliyanai
- (g) First opening date : 25-JUL-98
- (h) Weekly day of rest : SUN
2. Address for : KALAYAPATTI VILL & PO  
correspondance : KULITALAI TK.  
CHINTAMANI POLICE STATION ,KARUR DT
3. (a) Lease Number : TMN1102
- (b) Lease area : 2.32
- (c) Period of lease : 20
- (d) Date of Expiry : 24-JUL-18
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : p.nagarajan  
 49.venkataraman street  
 gugai salem-6 KARUR TAMIL  
 NADU  
 Phone:  
 FAX :

Owner : P.NAGARAJAN,M/S PADMAVATHI MINERALS  
 49, VENKATARAMAN STREET  
 GUGAI SALEM-6 KARUR TAMIL  
 NADU  
 Phone:  
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03-SEP-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31-JAN-13
		Mining Scheme rule 12 MCDR1988	29-MAR-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil.	1 no of core drill.	Form-I submission dated 23.6.2018.
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	Reserve estimated 14 m depth from pit bottom.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	1.269lakhs	As per Form-J submission dated 23.6.2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	-
1e	Balance reserve as on 01/04/20	Geological reserve: 107266tonnes-(111)	117745tonnes-(111)	Reserve estimated 14 m depth from pit bottom.
1f	General remarks of inspecting officers on geology, exploration etc		Depth persistence has been proved upto 25 m depth.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Separate benches for top soil and mineral .	Being maintained.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.64	As proposed.	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-

2e	Quantity of overburden generation in m3	Nil.	Nil	No over burden is present.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There is no over burden ,only top soil about 1.00m is present.	

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In eastern part of existing pit .	As proposed in existing pit's eastern part of pit .	One pit .Dimensions of existing pit about 205m lengthx50m width and depth28m.
3b	Quantity of ROM mineral production proposed	5990 tonnes of ROM	00 tonnes	Mine is not working for want of EC.
3c	Recovery of sailable/usable mineral from ROM production	70% of ROM (limestone)	00 tonnes	-
3d	Quantity of mineral reject generation	2396 tonnes	00tonnes.	-
3e	Grade of mineral rejects generation and threshold value declared.	Country rock granite gneiss.	Country rock granite gneiss.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	-
3g	Grade of sub grade mineral generation	Nil.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Open cast- Manual method.	As proposed.	Mine is not working.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.	
3j	Provision of drilling and blasting in mineral benches	Jack hammer operated by compressed air -portable compressor.	As proposed.	Mine is not working.
3k	Provision of mining machineries in mineral benches	Maunal method.	4-6m width maintained.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m as width of bench.	6m width maintained.	-
3m	Total area covered under excavation/pits	1.02hect.	As proposed.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	As proposed.	-
3o	Total area put in use under different heads at the end of year	1.62hect	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	Year - ROM Production in tonnes 2015-16:16536 2016-17:76804 2017-18:6404 2017-18:76804	Year - ROM Production in tonnes 2015-16:26675 2016-17:92300 2017-18:92300	Violation of rule 11(2) for excess production has been communicated to lessee on 19.1.2018 and followup is being taken for compliance.
3q	General remarks of inspecting officers on method of mining etc.			Violation of rule 11(2) for excess production and other outstanding violations are followup for compliance.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps proposal.	Maintained as proposed.	On the southeastern corner of ML.
4b	Location of topsoil, OB and mineral reject dumps	On the south eastern corner and north westwern side of ML.	As proposed.	No top soil as it is very thin.
4c	Number of dumps within lease area and outside of lease area	Two dump within ML.	Maintained as proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non mineralised area of northeastern corner and southwestern side of ML.	As propopsed on non mineralised area.	
4e	Number of active and alive dumps.	Two dumps .	Dumps located within ML.	
4f	Number of dead dumps.	Nil.	Nil.	-
4g	Number of dumps established.	Nil.	Nil.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Not applicable.	
4j	Number of settling ponds	No proposal.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		Dumps are maintained as proposed.	Mine is not working.

#### 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 backfilling proposal during the doc period.	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)	Partially stacked.	As proposed partially stacked.	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Backfilling is not under taken.Mine is not working.	

#### 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).	Existing violations are being followedup.	Show cause has been issued as followup action.	-
6b	Area available for rehabilitation (ha) .	Nil.	Not applicable.	-
6c	afforestation done (ha).	300sq feet area.	As proposed.	-
6d	No. of saplings planted during the year	20 no of saplings.	About 15nos.	
6e	Cumulative no .of plants	-	About 35nos	
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 ( Lx B x D	No proposal.	NMil.	-
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 backfilled area	No proposal.	Nil.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	-	Mine is not working	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Proposals are being carried out.	

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#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After separation of mineral from ROM.	As proposed .	Mine is not working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual separation.	As proposed .	-
7c	Different grade of mineral sorted out at mines.	At mine site. At mine site.	As proposed .	-



7d	Any beneficiation process at mines .	No proposal.	Not required .	All grades of Limestone is being recovered .
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades of Limestone is being recovered .	All grades of Limestone is being recovered .

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	-	Partly stacked.	Topsoil cover is very thin.
8b	Concurrent use or storage of topsoil	Storage .	As proposed .	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate stacking.	As proposed .	
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)	No proposal during the doc period.	Nil.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 35 nos of plants.	-
8g	Survival rate	70%.	About 50%	

8h	Water sprinkling on roads to control airborne dust	Mine is not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantaion obseved on the northeastern side of ML .

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Being submitted rgularly.	Mine closed since January,2017.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No details.	Mine is not working.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings-0. hect.	furnished under sl no 12 of part-I	Area under working about 1.1hect.
9d	Scrutiny of Annual return on afforestation	No details furnished.	As per part-V of sl no.4.4	About 10no of plantation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	As per part-V of sl no.4.2.	furnished under part-V of section no.4.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	00 tonnes	furnished under part-VI( 1)	Mine not worked.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price- Rs.00/-	As per section VI of 2.	Mine not worked.
9h	Scrutiny of Annual return on fixed assets	Land:Rs.290000 , Residential-Rs.320000	A small office is available outside ML.	-

9k	Scrutiny of Annual return on mining machineries	Nil.	furnished under part-V of section no.7.	No mechoinery is observed at mine site.
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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 :**

**(A.S.SANJEEVA RAO)**

Indian Bureau of Mines