

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/SLM/LST-41/MDS

Mine code : 38TMN11068

- (i) Name of the Inspecting : **N001**) **N.SUBRAHAMAANYAM**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Prakash rep of Owner.
Official with
Designation
- (iv) Date of Inspection : 26/02/2018
- (v) Prev.inspection date : 30/12/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PONKUMAR (69.22 HA)**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : SALEM
- Village : CHINNAGOUNDANUR
- Taluka : SANKARI
- Post office : CHINNAGOUNDANUR
- Pin Code : 637301
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 10/03/1988
- (h) **Weekly day of rest** : SUN
2. **Address for** : S.JAYAKUMAR, M/S. PONKUMAR LIMESTONE MINE
correspondance PERRIYAKOLLAPATTI, SALEM-8.
3. (a) **Lease Number** : TMN1195
- (b) **Lease area** : 69.25
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 11/06/1998
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : SRI S.JAYAKUMAR (PONKUMAR MINES)
 PERIAGOLLAPATTI
 KANNANKURICHI SALEM SALEM
 TAMIL NADU
 Phone:
 FAX :

Manager

Name : K.S GOVINDARAJAN
 Qualification : FOREMAN CERTIFICATE HOLDER
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	04/09/2000
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	17/07/2006
		Mining Scheme rule 12 MCDR1988	08/04/2014
		Mining Scheme rule 12 MCDR1988	16/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	2 Wagon drills, 22 Core drills proposed to cover entire lease area.	Not done due to financial problems.	Mine has reached 21 to 40m depth from surface.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Four existing pits measures as pit-1: 236x26x38m: 2-108x17x35m. 3-35x18x22m and 4-120x114x41m depth from surface.	No comments.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	50% of mining lease area is to be covered.	No comments.
1e	Balance reserve as on 01/04/20	a.ROM-210100 tons of 50% recovery. b.ROM-595300 tones (221)	a.ROM-210100 tons of 50% recovery. b.ROM-595300 tones (221)	No comments.
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Mining operations was temporary discontinued due environmental clearance / to poor market / labour problems.	No comments

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern side on existing pit no-2; 110x25x36m depth.	Mining operations was temporary discontinued due environmental clearance	Nil.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil and overburden.	Not applicable.	Mine is not working due to EC.
2c	Stripping ratio or ore to OB ratio	1:0.7	Mine is not working due to EC.	No comments.
2d	Quantity of topsoil generation in m3	Not applicable. Nil.	Nil.	Nil.

2e	Quantity of overburden generation in m3	Not applicable.	Nil.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil.	After reopening, production will be carried out only on existing pit.	Nil.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit Southern side on existing pit no-2; 110x25x36m depth.	Mining operations was temporary discontinued due to environmental clearance.	No comments.
3b	Quantity of ROM mineral production proposed	About 13400 tons of ROM.	Mining operations was temporary discontinued due to environmental clearance..	No comments.
3c	Recovery of sailable/usable mineral from ROM production	50%	As reported 50%	Nil.
3d	Quantity of mineral reject generation	No rejects	Mineral rejects is 40% of ROM which includes rock fragments, impurities etc.	No comments.
3e	Grade of mineral rejects generation and threshold value declared.	No rejects	Mineral rejects is 50% of ROM which includes rock fragments, impurities etc.	No comments.
3f	Quantity of sub grade mineral generation.	No sub-grade mineral.	Below 50% of CaCO ₃ with contaminations of calc gneiss waste are considered as mineral rejects in these particular formations.	Nil.
3g	Grade of sub grade mineral generation	Nil.	Grade is uniform, no other grades.	No comments.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	No comments.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting in mineral are proposed.	Drilling & blasting in mineral are being done by contract basis.	Nil
3k	Provision of mining machineries in mineral benches	Nil.	After reopening the mine, excavators will be deployed for development of benches and loading. Manual labours will be engaged with the help of spades and axes for removing the ROM and hand sorting.	No comments.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The height of bench in Ore is 5m are proposed.	The proposals of different benches have been suitably proposed.	No comments.
3m	Total area covered under excavation/pits	8.06 ha	8.06 ha	No comments.
3n	Ore to OB ratio for the pit/mine during the year.	1:3.55	As reported 1:3.55	Nil
3o	Total area put in use under different heads at the end of year	13.22.5 ha	13.22.5 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	a. 2012-13:Nil. b.2013-14:897. c.2014-15:8353 d.2015-16:55946 e.2016-17:72618	a. 2012-13:2360. b.2013-14:1120. c.2014-15:2650 d.2015-16:2050 e.2016-17:Nil	Deviation in production is due to mine is not working for E.C.
3q	General remarks of inspecting officers on method of mining etc.	Proposal was adequate.	After reopening. Mining carried out as per proposal.	No comments.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil dump & waste dumps are proposed.	No topsoil dump, only side burden and mineral rejects dump.	Nil.
4b	Location of topsoil, OB and mineral reject dumps	Northern side of lease area.	As per proposal.	Nil.
4c	Number of dumps within lease area and outside of lease area	Two dumps with in lease area.	As proposed is maintained.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Along 7.5m safety zone.	As proposed.	Nil.
4e	Number of active and alive dumps.	Two dumps	Two dumps	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	No proposal for retaining wall or garland drain all along dumps.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable.	Nil
4j	Number of settling ponds	No proposal	Not applicable.	Nil
4k	Specific comments of inspecting officer on waste dump management	Top soil dumping is partly utilized for plantation.	Topsoil dump does not have any problem of wash offs.	Mine is not working due to E.C.

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.	After complete extraction of Limestone, pits shall be used as water reservoirs.	Limestone is yet to be exhaust.	Mine is not working due to E.C.

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)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	The plantations along the safety barrier have been marked.	As per proposal.	Nil

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 is to be submitted.	Annual report on PMCP is not submitted.	No comments
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.01ha	0.01ha	Nil.
6d	No. of saplings planted during the year	20nos	20nos	Nil.
6e	Cumulative no .of plants	250 nos	80 nos	Nil.
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	Mine is not working due to E.C.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The ROM mineral cement grade sorts within lease area than dispatched.	Manual sorting is done where ore association are found with waste.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	Nil.
7c	Different grade of mineral sorted out at mines.	Nil	The grades of ore are almost uniform.	Nil
7d	Any beneficiation process at mines .	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The mineral is almost uniform.	Mine is not working due to E.C.	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil is removed separately	Top soil is dumped separately	For future use.

8b	Concurrent use or storage of topsoil	1m OB cum Topsoil is removed separately and dumped for future use of plantation	For future use.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for TS only.	The proposal is being followed.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The area is dry and barren.	Some plantations have been made along the lease boundary within safety zone.	Nil
8g	Survival rate	80%	50%	Due to water problem.
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is dry and barren.	Some greenery has been developed by mine management.	Mine is not working due to E.C.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual returns are to be submitted.	No Monthly returns and Annual returns are submitted.	No comments.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Portable compressor, Excavator and Comet Tipper.	Mine is not working due to E.C.	Used for hire basis.

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 :

(N.SUBRAHAMAANYAM)

Indian Bureau of Mines