

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/SLM/LST-152/MDS

Mine code : 38TMN11102

- (i) Name of the Inspecting : **N001**) **N.SUBRAHAMAANYAM**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 13/09/2017
- (v) Prev.inspection date : 01/02/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VEERACHIPALAYAM(1.215HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : SALEM
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 14/03/2002
- (h) Weekly day of rest : SUN
2. Address for : No.880, METTUR ROAD
correspondance : KAMARAJ NAGAR, BHAVANI - 638 301
3. (a) Lease Number : TMN0872
- (b) Lease area : 1.22
- (c) Period of lease : 20
- (d) Date of Expiry : 31/07/2022
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PATHY & COMPANY
No.880, METTUR ROAD KAMARAJ
NAGAR BHAVANI SALEM TAMIL
NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 29/05/2008
Plan/Scheme of Mining

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	Nil	Nil	Existing pit is 45x43x14m depth.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Nil.	Existing pit is 45x43x14m depth.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	Covered entire ML area.	No comments.
1e	Balance reserve as on 01/04/20	22000 t 111) & 36000t(222)	22000 t 111) & 36000t(222)	No comments.
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved scheme of mining.	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches have made for topsoil & OB	Mine is not working more than two years.	Nil.
2c	Stripping ratio or ore to OB ratio	1:0.7	Same as proposed.	Nil
2d	Quantity of topsoil generation in m3	900 m3Topsoil cum overburden.	Nil	Nil
2e	Quantity of overburden generation in m3	900 m3Topsoil cum overburden.	Nil	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	1600 tones	Same as proposed.	Nil
3c	Recovery of sailable/usable mineral from ROM production	60% of ROM production.	Same as proposed.	Nil
3d	Quantity of mineral reject generation	700 t	Same as proposed.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	NA	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	No comments
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting is done by contract basis.	Same as proposed	Nil

3k	Provision of mining machineries in mineral benches	10 ton Tipper for transportation of ROM to needy Industries.	Same as proposed	Nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB bench 2m and Width is 3m	Same as proposed	Nil.
3m	Total area covered under excavation/pits	0.30 ha	Working pit depth has reached 14m from surface.	No comments
3n	Ore to OB ratio for the pit/mine during the year.	1:0.82	Same as proposed.	Nil.
3o	Total area put in use under different heads at the end of year	0.70 ha	Same as proposed.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	2012-13:Nil, 2013-14:Nil. 2014-15:Nil 2015-16:Nil. 2016-17:Nil.	2012-13:Nil, 2013-14:Nil. 2014-15:Nil 2015-16:Nil. 2016-17:Nil.	Deviation in production is due to flexibility of market demands. Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.
3q	General remarks of inspecting officers on method of mining etc.	Nil.	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps made for Topsoil cum OB and Mineral rejects.	Same as proposed.	Nil.

4b	Location of topsoil, OB and mineral reject dumps	Western side of ML area	Same as proposed.	Nil
4c	Number of dumps within lease area and outside of lease area	2 dumps with in ML area & no dump are outside of mining lease .area.	Same as proposed.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Western side of ML area.	Same as proposed.	Nil.
4e	Number of active and alive dumps.	Two dumps are alive.	Same as proposed.	Nil.
4f	Number of dead dumps.	Not applicable	Not applicable	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining wall or garland drain all along dumps is proposed.	Not applicable	Nil.
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Nil	Nil
4j	Number of settling ponds	No settling ponds are proposed.	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	No comments.

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.	At present not applicable, since the mine is active.	Same as proposed.	Nil.
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.	Nil	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.

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 on time and correctly - Rule 23E (2).	Not submitted.	Nil.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.01ha	0.01 ha	Nil
6d	No. of saplings planted during the year	20	20	Nil
6e	Cumulative no .of plants	200	90	Due to water problem.
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 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
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	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral is ame as proposed. grade-wise sorting within lease area S		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	Nil	Nil
7d	Any beneficiation process at mines .	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil is removed & using for plantation purpose.	Same as proposed	Nil.
8b	Concurrent use or storage of topsoil	Topsoil is using for plantation purpose.	Same as proposed	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed.	Same as proposed	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)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Few trees planted by Lessee	Same as proposed.	Nil
8g	Survival rate	80%	50% due to water problem	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	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and annual returns are to be submitted.	Not submitted.	Nil
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

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	Nil	Mine is not working more than two years due to environment clearance & flexibility of market demands, labour problems.	Nil

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