

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/DGL/LST-39/MDS.

Mine code : 38TMN33033

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : None
Official with
Designation
- (iv) Date of Inspection : 06-JUL-18
- (v) Prev.inspection date : 16-SEP-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALAYAM(3.21.5 HA)**
- (b) **Registration NO.** : **IBM/7542/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : DINDIGUL
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail : **jmkarbonate@gmail.com**
Phone : **0431-2414255.**
- (f) Police Station : NATHAM
- (g) First opening date : 18-DEC-98
- (h) Weekly day of rest : SUN
2. Address for : 7/A-1, WILLIAM ROAD
correspondance : TRICHY-620021
3. (a) Lease Number : TMN1079
- (b) Lease area : 3.21
- (c) Period of lease : 20
- (d) Date of Expiry : 17-DEC-18
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHEIK ABDULLAH
7/A-1, WILLIAM ROAD TRICHY-
620021 DINDIGUL TAMIL NADU
Phone:
FAX :

Owner : SHEIK ABDULLAH
SHEIK ABDULLAH, 7/A-1,
WILLAM ROAD TRICHY-620021.
DINDIGUL TAMIL NADU
Phone:
FAX :

Agent : A K SHRIVASTAVA, DIRECTOR
ACC Ltd., Madukkarai Cement
Works, MADUKARAI COIMBATORE
TAMIL NADU
Phone: 0422-2912202
FAX : 0422-2622286

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 11-AUG-15
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.	6 no of core drills.	Form-I submission dated 11.4.2018.
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Rs.1.269lakhs	As per Form-J submission dated 11.4.2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	Depth persistence has been proved upto 25 m depth.
1e	Balance reserve as on 01/04/20	Geological reserve: 85611tonnes-(111)	Geological reserve: 137161tonnes-(111)	Less than proposed.Due to non operation of mine.
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	In central part of existing pit 50mx25mx 7m depth.	As proposed.	Mine is not working.Existing pit measures approximately 300mx 25-35m x 4-7m depth.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	Top soil cover is about 1m to 1.25m thick
2c	Stripping ratio or ore to OB ratio	1:1.20	-	Mine is not working.
2d	Quantity of topsoil generation in m3	Nil	Nil	Top soil cover is about 1m to 1.25m thick

2e	Quantity of overburden generation in m3	Nil	Nil	There is no overburden ,only top soil about 1m-1.25m is present.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			There is no overburden ,only top soil about 1m-1.25m is present.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In central part of existing pit 50mx25mx3-7m depth.	As proposed in existing pit in the central part of pit .	One pit .Dimensions of existing pit about 300m lengthx25m-35m width and depth 3-7m.
3b	Quantity of ROM mineral production proposed	25584 tonnes of ROM	00 tonnes	Mine is not working for want of EC.
3c	Recovery of sailable/usable mineral from ROM production	80% of limestone	00 tonnes	-
3d	Quantity of mineral reject generation	5117 tonnes	00 tonnes	-
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	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	Yes.	6m width maintained.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m height.	As proposed.	-
3m	Total area covered under excavation/pits	1.22hect.	Less than proposed.About 0.96hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	1.0;1.20	Nil.	-
3o	Total area put in use under different heads at the end of year	1.22hect	1.0hect	
3p	Production of ROM mineral during the last five year period as applicable	Year - ROM Production in tonnes 014-15:00 15-16:27656 16-17:17056 17-18:25584	Year -ROM Production in tonnes 2014-15:00 2015-16:1738 2016-17:4119 2017-18:00	Production is less than proposed quantity within area proposed.
3q	General remarks of inspecting officers on method of mining etc.		Mine is not working since january,2017 for environment clearence.	

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 proposal.	Maintained as proposed.	On the southern corner of ML.
4b	Location of topsoil, OB and mineral reject dumps	On the southern corner of ML.	As proposed.	Top soil cover is about 1-1.25m height.
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.	As propopsed on non mineralised area.	
4e	Number of active and alive dumps.	Two dumps .	Dump 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.	No proposal.	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	No proposal.	-
4j	Number of settling ponds	Nil.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		Dumps maintained as proposed.	Mine is not working for want of EC.

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.	No backfilling proposal during the doc period.	Nil.	-

5b	Area under backfilling of mined out area	Nil.	Nil.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-	Partly stored.	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.		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 bing followedup.	Existing violations are bing followedup.
6b	Area available for rehabilitation (ha) .	Nil.	Not applicable.	-
6c	afforestation done (ha).	20 no of saplings.	About 15nos.	
6d	No. of saplings planted during the year	20 no of saplings.	15 no of saplings.	
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.	Nil.	-
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 on backfilled area	No proposal.	Nil.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	-	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	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.	Nil.	Proposals are being carried out.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mineral.	As proposed .	
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.	As proposed .	-
7d	Any beneficiation process at mines .	No proposal.	Not required .	All grades of Limestone being recovered and sold.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades of Limestone being recovered .	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Stacking of top soil.	Partly stored.	

8b	Concurrent use or storage of topsoil	-	Partly stored.	-
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.	Stacked.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 35 nos.	
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 southern side of ML .	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Being submitted regularly.	Mine closed since January, 2017.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No details.	Violation of rule 55(2)of MCDR-17 has been communicated.	Mine is not working.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings- 0.96hect,dumps -0.10hect	furnished under sl no 12 of part-I.	-
9d	Scrutiny of Annual return on afforestation	No details furnished.	As per part-V of sl no.4.4	About 15no of plantation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	As per part-V of sl no.4.2.	Mine not worked.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil.	furnished under part-VI(1)	Mine not worked.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.463.00/-	furnished under part-VI(2)	-
9h	Scrutiny of Annual return on fixed assets	Land:600000 ,	furnished under part-II of sl no.1.	-
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR- 90CUM/MN- Electrical	No machinery observed at mine site.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines