

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/SLM/LST-132/MDS

Mine code : 38TMN11096

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : MR.PANNEERSELVEM-OWNER
Official with
Designation
- (iv) Date of Inspection : 12/10/2020
- (v) Prev.inspection date : 22/11/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DEVANNAGOUNDANUR((21.665)**
- (b) **Registration NO.** : **IBM/6974/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **SALEM**
- Village : **DEVANNAGOUNDANUR**
- Taluka : **Sankari**
- Post office : **Sankaridrug**
- Pin Code :
- FAX No. :
- E-mail : **chandramohan5@yahoo.com**
- Phone : **04272440446**
- (f) **Police Station** : **SANKARI**
- (g) **First opening date** : **17/06/2001**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **NO.102, PERAMANUR MAIN ROAD**
correspondance : **SALEM - 636 007.**
3. (a) **Lease Number** : **TMN1192**
- (b) **Lease area** : **21.66**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **05/04/2018**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : K.PANEER SELVAM (SUPER MINES & MINERALS)
 No.102, PERAMANUR MAIN ROAD
 SALEM SALEM TAMIL NADU
 Phone:
 FAX :

Owner : K.PANEER SELVAM (SUPER MINES & MINERALS)
 NO.102, PERAMANUR MAIN ROAD
 SALEM SALEM TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : NAGARAJAN, Full Time
 Qualification : B.TECH-MINING
 Appointment/ : 11/01/2011
 Termination date

Geologist

Name : S.Suriyakumar, Full Time
 Qualification : MSc (Geology) with Ist class Mines Manage
 Appointment/ : 11/01/2012
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/06/1996
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	30/08/2005
		Mining Scheme rule 12 MCDR1988	05/10/2012
		Mining Scheme rule 12 MCDR1988	13/05/2015
		MP review under 17(1) MCR 2016	24/05/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Already the area had been explored under G1 category
1b	Exploration over lease area for geological axis 1 or 2	NIL	Explored under G1 level	Explored under G1 level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	Explored under G1 level
1e	Balance reserve as on 01/04/20	1274758m3	1274758m3	As proposed in Mining Plan
1f	General remarks of inspecting officers on geology, exploration etc	----	----	Geology, exploration is found to be satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	123250 N to 1273275 N and 0811750 E - 0811825 E	123250 N to 1273275 N and 0811750 E -0811825 E	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, One Top Soil Bench, One overburden bench, Three ore benches	Yes, One Top Soil Bench, One overburden bench, Three ore benches	As per proposal
2c	Stripping ratio or ore to OB ratio	1:1.29	1:1.29	As per proposal
2d	Quantity of topsoil generation in m3	2019-20= 3240m3	2019-20= 3240m3	As per proposal
2e	Quantity of overburden generation in m3	NIL	NA	No generation of top soil generation

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	--	Mine development of pit found to be satisfactory
----	---	-----	----	--

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	as per the plan
3b	Quantity of ROM mineral production proposed	2019-20=15000MT	2019-20=2390MT	As per proposal
3c	Recovery of sailable/usable mineral from ROM production	2019-20=15000MT	2019-20=2190MT	Within limit
3d	Quantity of mineral reject generation	2019-20=3750MT	2019-20 = 3750	Within limit
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NA	NIL
3f	Quantity of sub grade mineral generation.	NIL	NA	No sub grade mineral
3g	Grade of sub grade mineral generation	NIL	Na	No sub grade mineral
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized Mines	Mechanized Mines	nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NA	NIL
3j	Provision of drilling and blasting in mineral benches	Proposed	yes	nil

3k	Provision of mining machineries in mineral benches	yes	yes	nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height in OB=5 mtr Mineral =8 mtr Width=8 mtr	Height in OB=5 mtr Mineral =8 mtr Width=8 mtr	nil
3m	Total area covered under excavation/pits	5.70.05 Ha	5.70.05 Ha	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	1: 1.30	1: 1.30	As per proposal
3o	Total area put in use under different heads at the end of year	2019-20 = 598m3	2019-20 = 598m3	nil
3p	Production of ROM mineral during the last five year period as applicable	2015-16 15000MT 2016-17 15000MT 2017-18 15000MT 2018-19 15000MT 2019-20 15000MT	2015-16 2442 2016-17 2945 2017-18 2528 2018-19 1980 2019-20 2390	with the limite
3q	General remarks of inspecting officers on method of mining etc.	-----	----	method of mining found to be satisfactory

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Topsoil are dumped separately	As per the proposal, the topsoil removed dumper separately and used for green belt	Separately stacked
4b	Location of topsoil, OB and mineral reject dumps	Northwest boundary - 1273175N-1273250N and 0811550E-0811600E	Northwest boundary - 1273175N-1273250N and 0811550E-0811600E	as per proposal

4c	Number of dumps within lease area and outside of lease area	2	2	as per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	1273175N-1273250N and 0811550E-0811600E	1273175N-1273250N and 0811550E-0811600E	nil
4e	Number of active and alive dumps.	1	1	NIL
4f	Number of dead dumps.	NIL	NA	nota applical
4g	Number of dumps established.	NIL	NA	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	100 m	NIL
4i	Length of Retaining wall or garland drain all along dumps	100 m	100 m	
4j	Number of settling ponds	NIL	NA	No settling ponds proposal
4k	Specific comments of inspecting officer on waste dump management	-----	-----	waste dump management is found satisfactory

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.	NIL	NA	NIL
5b	Area under backfilling of mined out area	NIL	na	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NA	NIL

5d	Total area fully reclaimed and rehabilitated	NIL	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	---	backfilling, reclamation dos not arise at this stage

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).	submitted	Return submitted timely for the year 2019-20	submitted.
6b	Area available for rehabilitation (ha) .	NIL	NIL	Not applicable at the stage
6c	afforestation done (ha).	2.98.23ha	2.98.23ha	NIL
6d	No. of saplings planted during the year	50/per year	50/per year	NIL
6e	Cumulative no .of plants	100	100	NIL
6f	Any other method of rehabilitation	NIL	NA	No other specific method of rehabilitation
6g	Cost incurred on watch and care during the year	1 lakhs	1 lakhs	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NA	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Propose to carryout Environmental monitoring both Core and Buffer Zones	Ekdant Enviro Services private limited, Chennai has been engaged for monitoring Environmental Data on half yearly basis.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	PMCP compliance & progressive closure operations found to be satisfactory

Mineral Conservation:

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

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil Used for afforestation purpose	Top soil Used for afforestation purpose	NIL
8b	Concurrent use or storage of topsoil	Top soil Used for afforestation purpose	Top soil Used for afforestation purpose	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	Separate dumps are made	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NA	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NA	Not at the stage
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200	Yes 200 Mostly in within lease area and road	NIL
8g	Survival rate	80%	80%	NIL
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on road to control dust as proposed	Water tanker is used for water sprinkling to control dust on hall roads and on benches	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	aesthetic beauty in and around mines area is found satisfactory

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Returns submitted timely for the year 2019-20	Annual Returns submitted timely for the year 2019-20	Submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr.S. Suriyakumar- Mines Manager Mr. N. Suresh- Geologist	Mr.S. Suriyakumar- Mines Manager Mr. N. Suresh-Geologist	Part-I No. 8&9 & Part-II, employment & wages.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in the format	NIL	Part-I Sl. No 12
9d	Scrutiny of Annual return on afforestation	Given in the format	NIL	Part-I Para 4.4

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in the format	NIL	Part-V General Geology, Sl.No.4.2(B)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in the format	2019-2020 Opening stock-325MT Production -2390MT Despatches -2122MT Stock-593MT	Part-VI, Sl.No.2
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in the format	Ex. Mine price=400 Production cost=375	Part - VII(cost of Production)-
9h	Scrutiny of Annual return on fixed assets	Given in the format	Fixed assets= 700000	Part - III, Sl.No.4
9k	Scrutiny of Annual return on mining machineries	Given in the format	Excavator - 1 Tipper - 2 Compressor with tractor-2 Jack hammer-4	Part - V(General Geology & Mining g) Sl.No.5

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 :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines