

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/SLM/MG-3-MDS

Mine code : 39TMN11005

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. RAMALINGUM-DGM-MINES, MR. THANGARAJU-QP
Official with
Designation
- (iv) Date of Inspection : 28-FEB-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KAMANAICKENAPATTI
- (b) **Registration NO.** : IBM/5651/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : SALEM
- Village : KARUPPUR
- Taluka : SALEM
- Post office : SURAMANGALAM
- Pin Code :
- FAX No. : 0427-2341407
- E-mail : burnstd@md2.vsnl.net.in
- Phone : 0427-2341404, 04290-2365458
- (f) **Police Station** :
- (g) **First opening date** : 05-JUN-79
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S. BURN STANDARD COMPANY LIMITED
10-C, HUNGERFORD ROAD
CALCULTTA 700 017.
3. (a) **Lease Number** : TMN0768
- (b) **Lease area** : 262.34
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 04-JUN-20
4. **Mineral worked** : MAGNESITE Main

5. Name and Address of the

Lessee : BURN STANDARD CO. LTD.
P.B.NO.565 SALEM-636005
SALEM TAMIL NADU
Phone:
FAX :

Owner : MANASH ROY, DIRECTOR
BURN STANDARD COMPANY
LIMITED SALEM TAMIL NADU
Phone:
FAX :

Agent : N.P.GOVINDARAJAN
M/S. BURN STANDARD COMPANY
LIMITED SALEM. SALEM TAMIL
NADU
Phone:
FAX :

Mining Engineer

Name : R.SELVARAJ, M/S. BURN STANDARD CO.LTD.,F
Qualification : B.E., MINING ENGINEER
Appointment/ : 10-JAN-06 15-APR-07
Termination date

Geologist

Name : P.RAJARAM, M/S. BURN STANDARD COMPANY LI
Qualification : M.Sc., APPLIED GEOLOGY
Appointment/ : 01-JAN-07 15-APR-07
Termination date

Manager

Name : D.MOSES
Qualification : II nd Class Mines Manager Certificate Ho
Appointment/ : 15-NOV-07 25-NOV-09
Termination date

Manager

Name : M.S.NARASINGA RAO
Qualification : B.E., MINING
Appointment/ : 16-OCT-00
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 22 MCR1960 06-FEB-04
Renewal under rule 22 MCR1960 06-FEB-04
Renewal under rule 22 MCR1960 06-FEB-04
Mining Scheme rule 12 MCDR1988 09-JUL-14
Mining Scheme rule 12 MCDR1988 29-AUG-16
MP modif under 17(3) MCR 2016 12-NOV-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	203 HOLES	NIL	NO EXPLORATION IS CARRIED OUT DUE TO NO AVAILABILITY OF E.C .
1b	Exploration over lease area for geological axis 1 or 2	G1	G2	NO EXPLORATION IS DONE DUE TO E.C
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	NO EXPLORATION IS DONE DUE TO E.C BUT THE AREA IS FULLY DEVELOPED WITH MINING PITS (OLD WORKINGS)
1e	Balance reserve as on 01/04/20	-	DUNITE- 654350 MT MAGNESITE-745524 MT	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	PROPOSAL FOR G1 CATEGORY IS GIVEN IN PLAN BUT THE SAME COULDN'T BE COMPLETED DUE TO NON-AVAILABILITY OF E.C.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	PIT-1 BLOCK-1 AND BLOCK-2	NIL	MINES NOT WORKING DUE TO WANT OF E.C
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NO TOPSOIL ORE ARE IN LENS FORM SO NO SEPERATE BENCHES FOR OB OR ORE.	NIL
2c	Stripping ratio or ore to OB ratio	1:18-20	NIL	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	-	NIL	NIL, MINES NOT WORKING DUE TO WANT OF E.C
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	NIL	NIL
3b	Quantity of ROM mineral production proposed	MG-114895 ROM-2643936 MT DU-66226	NIL	MINES NOT WORKING DUE TO WANT OF E.C
3c	Recovery of sailable/usable mineral from ROM production	6 % MAGNESITE AND 30 % DUNITE	NIL	NIL
3d	Quantity of mineral reject generation	2462815 MT	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NIL	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	SEMI - MECHANISED AND MANUAL	MANUAL AND SEMI- MECHANISED BUT NO WORKING IS GOING ON.	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	YES	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	HEIGHT=6MTR WIDTH=MORE THEN 6 MTR ARE MADE	MINE NOT WORKING.
3m	Total area covered under excavation/pits	Description	Description	mine not working
		Land use pattern Block-I	Land use pattern Block-II	
		Block-II	Block-III	
		Block-III	Block-IV	
		Block-IV Total	Total Area Under Mining	
		Area Under Mining	32.81.00 110.46.00	
		32.81.00	28.77.00 4.31.00	
		110.46.00	176.35.0 Storage of topsoil - - - - -	
		28.77.00	Overburden Dump 30.03.00	
		4.31.00	54.14.00 71.52.50	
		176.35.0	14.86.00 170.55.5	
		Storage of topsoil - - -	Mineral Storage - - - -	
		- - - Overburden	- Infrastructure 3.64.00	
		Dump 30.03.00	1.00.00 1.00.00 0.25.00	
		54.14.00	5.89.0 Roads 5.00.00	
		71.52.50	10.00.00 8.00.00 1.00.00	
		14.86.00	24.00.0 Safety area	
		170.55.5	1.50.00 3.65.00 11.00.00	
		Mineral Storage - - -	3.00.00 19.15.0 Green Belt & Afforestation	
		- -	30.06.5 0.68.40 19.53.0	
		Infrastructure	4.04.00 54.31.9 Virgin area 5.44.5 49.36.60	
		3.64.00		
		1.00.00		
		1.00.00		
		0.25.00 5.89.0		
		Roads 5.00.00		
		10.00.00		
		8.00.00		
		1.00.00		
		24.00.0 Safety area		
		1.50.00		
		3.65.00		
		11.00.00		
		3.00.00		
		19.15.0 Green Belt & Afforestation		
		30.06.5		
		0.68.40		
		19.53.0		
		4.04.00		
		54.31.9 Virgin area		
		5.44.5		
		49.36.60		

3n	Ore to OB ratio for the pit/mine during the year.	1:14.59 including dunite	nil	mine not worked due to non-availability of E.c
3o	Total area put in use under different heads at the end of year	Description Land use pattern Block-I Block-II Block-III Block-IV Total Area Under Mining 32.81.00 110.46.00 28.77.00 4.31.00 176.35.0 Storage of topsoil - - - - - Overburden Dump 30.03.00 54.14.00 71.52.50 14.86.00 170.55.5 Mineral Storage - - - - - Infrastructure 3.64.00 1.00.00 1.00.00 0.25.00 5.89.0 Roads 5.00.00 10.00.00 8.00.00 1.00.00 24.00.0 Safety area 1.50.00 3.65.00 11.00.00 3.00.00 19.15.0 Green Belt & Afforestation 30.06.5 0.68.40 19.53.0 4.04.00 54.31.9 Virgin area 5.44.5	Description Land use pattern Block-I Block-II Block-III Block-IV Total Area Under Mining 32.81.00 110.46.00 28.77.00 4.31.00 176.35.0 Storage of topsoil - - - - - - Overburden Dump 30.03.00 54.14.00 71.52.50 14.86.00 170.55.5 Mineral Storage - - - - - Infrastructure 3.64.00 1.00.00 1.00.00 0.25.00 5.89.0 Roads 5.00.00 10.00.00 8.00.00 1.00.00 24.00.0 Safety area 1.50.00 3.65.00 11.00.00 3.00.00 19.15.0 Green Belt & Afforestation 30.06.5 0.68.40 19.53.0 4.04.00 54.31.9 Virgin area 5.44.5	no work

3p	Production of ROM mineral during the last five year period as applicable	2013-14=60123 2014-15=60000 2015-16=2016-17=110613 2017-18=112000, 2018-19=181121	2013-14=79140 15=68488.6 16=61001.32 17=47663.71 18=NIL,2018-19-nil	2014-2015-2016-2017-2018-2019-	nil
3q	General remarks of inspecting officers on method of mining etc.	-	-		satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no topsoil	nil	nil
4b	Location of topsoil, OB and mineral reject dumps	ob/rejects dump in block-1 one dump ob/rejects dump in block-2 one dump	nil but all old dumps exists block-1=11 dumps numbers block-2=12 to 34 dumps numbers block-3=35 to 59 dumps numbers block-4=60- to 72 dump numbers	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	out side pit limit	nil	nil
4e	Number of active and alive dumps.	72	nil	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.	garland drains	garland drains are provided.	nil
4i	Length of Retaining wall or garland drain all along dumps	na	nil	nil
4j	Number of settling ponds	pit are used as settling tank	nil	nil

4k	Specific comments of inspecting officer on waste dump management	-	-	satisfactory.
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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.	na	no area available for backfilling	nil
5b	Area under backfilling of mined out area	na	nil	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	na	nil	nil
5d	Total area fully reclaimed and rehabilitated	na	nil	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	satisfactory

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).	yes	submitted	nil
6b	Area available for rehabilitation (ha) .	nil	nil	nil
6c	afforestation done (ha).	nil	nil	nil

6d	No. of saplings planted during the year	250	250	nil
6e	Cumulative no .of plants	1500	1500	nil
6f	Any other method of rehabilitation	na	nil	nil
6g	Cost incurred on watch and care during the year	na	nil	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	na	nil	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	na	nil	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	na	nil	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	pit are used for storing water	pit are used for storing water	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	na	nil	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	no waste land available	no waste land available	nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	na	nil	nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	na	nil	nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	carried out quarterly basis	carried out quarterly basis	nil, all within norm ,also mines is not working
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	satisfactory

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	MINES NOT IN OPERATION	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	NA	NIL	NIL
7d	Any beneficiation process at mines .	NA	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NIL	NIL
8b	Concurrent use or storage of topsoil	NA	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	ONLY REJECTS DUMPS AVAILABLE	MINE NOT WORKING
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	1500 NOS	NIL
8g	Survival rate	80%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	NIL	MINE NOT WORKING
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	APPOINTED	PRESENT AT SITE DURING INSPECTION	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PROVIDED BUT NIT RETURN AS MINE NOT WORKING	NIL	NIL
9d	Scrutiny of Annual return on afforestation	PROVIDED	NIL AS MINE NOT WORKING	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	MINE NOT WORKED	NIL
9h	Scrutiny of Annual return on fixed assets	PROVIDED	AS PROVIDED	NIL
9k	Scrutiny of Annual return on mining machineries	GIVEN	AS PROVIDED BUT MINE IS NOT WORKING	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 :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines