## INDIAN BUREAU OF MINES

## MINERAL DEVELOPMENT AND REGULATION DIVISION

#### MCDR INSPECTION REPORT

Chenna		

Name of the inspecting officer designation   Assistant Controller of Mines   Assistant Contr	Min	e file No. TN/ALR/LST-25.MDS	Mine Code: 38TMN38047
Date of inspection:   111.7024   Accompanied mine official and designation   Shrir, Rawikumar (DGM-Mines) & Shri, Rawikumar			
Date of inspection:   111.12024   Accompanied mine official and designation   Shri. Ravikumar (DGM-Mines) & Shri. B Vikram Pyus (Mines – Manager)		• •	Assistant Controller of Mines
Shri. B. Vikram Pyus (Mines - Manager)		Date of inspection:	11.11.2024
PART-I: General Information		Accompanied mine official and designation	Shri.R.RaviKumar (DGM-Mines) &
Name of the Mine   Sendural Limestone Mine   2192.5Ha(No Forest Land)   170/38TMN38047   170/38TMN38047   180Mrie Code   170Mrie Code			Shri. B.Vikram Pyus (Mines – Manager)
Total Lease Area (Ha) with breakup of Non-forest and forest land   170/38TM\38047   180   170/38TM\38047   180   180   170/38TM\38047   180		PART-I: General In	formation
Forest land   170/88TM38047   180/88TM38047	1	Name of the Mine	Sendurai Limestone Mine
Mine code	2	Total Lease Area (Ha) with breakup of Non-forest and	21.92.5Ha(No Forest Land)
BM Registration Number under rule 45 of MCDR, 1988   IBM/170/2011			
Sendural Limestone Mines M/s Chettinad Cement Corporation (P) Ltd, Trichy-Arriyatur Road, Kilapaluvur, Arriyatur Road, Kilapaluvur,	3	Mine code	170/38TMN38047
M/s Chettinad Cement Corporation (P) Ltd, Trichy-Ariyalur Road, Kilapaluvur, Ariyalur - 621707 Ph No. 04329-250011 Email- arymines@Chettinadcement.com Fax: 04329-250011	4		
Trichy-Ariyalur Road, Kitapatuvur, Ariyalur - 621707 Ph No. 04329-250011 Email - arymines@chettinadcement.com Fax: 04329-250011 Email - arymines@chettinadcement.com	5	Name of the lessee, Address, phone, email and fax number	
Kilapaluvur, Ariyalur - 62/107   Ph No. 04329-250011   Email- arymines@chettinadcement.com   Fax: 04329-250011   Email- arymines@chettinadcement.com   Kilapaluvur, Ariyalur   Fax: 04329-250011   Email- arymines@chettinadcement.com			
Ph No. 04329-250011   Email- arymines@chettinadcement.com   Fax: 04329-250011			
Email- arymines@chettinadcement.com Fax: 04329-250011 6 Village Sendurai 7 Taluka/Mandal Sendurai 8 District Ariyalur 9 Pin code 621714 10 State Tamil Nadu 11 Post office Sendurai 12 Nearest police station Sendurai 13 Nearest Railway station Ariyalur 14 Date of Grant of Mining Lease 17.04,2015 15 Date of Execution 09.01.2017 16 Date of Opening of Mine 19.07.2017 17 Date of First Renewal, if applicable and its period & expiry NA 18 Date of second Renewal, if applicable and its period & expiry NA 18 Date of submission of renewal application if Mining Operations are continuing under deemed extension 20 Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08 21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Shri. R.P., Muthiah M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai-08 21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Lakshmipathy Road, Egmore, Chennai-08 22 Ph No. 04329-250011 23 Email- arymines@chettinadcement.com 24 Ph No. 04329-250011 24 Email- arymines@chettinadcement.com 25 Ph No. 04329-250011 25 Email- arymines@chettinadcement.com			
Fax: 04329-250011   Sendurai   Sendurai   Sendurai			
6 Village Sendurai  7 Taluka/Mandal Sendurai  8 District Ariyalur Ariyalur  9 Pin code 62!714  10 State Tamil Nadu  11 Post office Sendurai  12 Nearest police station Sendurai  13 Nearest Railway station Ariyalur  14 Date of Forant of Mining Lease 17.04.2015  15 Date of Execution 9.01.2017  16 Date of opening of Mine 19.07.2017  17 Date of second Renewal, if applicable and its period & expiry NA  18 Date of second Renewal, if applicable and its period & expiry NA  19 Date of submission of renewal application if Mining Operations are continuing under deemed extension  20 Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment Ariyalur  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Shri. RP, Muthiah My. Chettinad Cement Corpor (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road, Egmore, Chennai-08  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Arymines@chettinadcement.com  22 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Arymines@chettinadcement.com  23 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Arymines@chettinadcement.com  24 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Arymines@chettinadcement.com  25 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Arymines@chettinadcement.com  26 Onto 20 Onto			
7 Taluka/Mandal 8 District Ariyalur 9 Pin code 621714 10 State Tamil Nadu 11 Post office Sendural 12 Nearest police station Sendural 13 Nearest Railway station Ariyalur 14 Date of Grant of Mining Lease 17.04.2015 15 Date of Execution 0,901.2017 16 Date of Josephing of Mine 19.07.2017 17 Date of first Renewal, if applicable and its period & expiry NA 18 Date of second Renewal, if applicable and its priod & expiry NA 19 Date of submission of renewal application if Mining Operations are continuing under deemed extension 20 Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment Mrs. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigapi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08 21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Shri. R.P. Muthiah Mrs. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigapi Aachi Building,18/3, Rukmani Lakshipathy Road, Egmore, Chennai-08 21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Archive Chennai-08 22			i
B   District			
9     Pin code     621714       10     State     Tamil Nadu       11     Post office     Sendurai       12     Nearest police station     Sendurai       13     Nearest Railway station     Ariyalur       14     Date of Grant of Mining Lease     17.04.2015       15     Date of Execution     09.01.2017       16     Date of opening of Mine     19.07.2017       17     Date of first Renewal, if applicable and its period & expiry     NA       18     Date of second Renewal, if applicable and its period & expiry     NA       19     Date of submission of renewal application if Mining Operations are continuing under deemed extension     NA       20     Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment     Shri. Mohan Muthukaruppan, M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigapi Aachi Building, 18/3 Rukmani Lakshipathy Road, Egmore, Chennai-08       21     Name of the Mine Agent with Address, phone, email, fax number and date of appointment     M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08       21     Name of the Mine Agent with Address, phone, email, fax number and date of appointment     M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08       21     Ph No. 04329-250011 Email- arymines@chettinadcement.com			i
10 State Touristice Sendurai 11 Post office Sendurai 12 Nearest police station Sendurai 13 Nearest Railway station Ariyalur 14 Date of Grant of Mining Lease 17.04.2015 15 Date of Execution 9.7.02.017 16 Date of opening of Mine 19.07.2017 17 Date of second Renewal, if applicable and its period & expiry NA 18 Date of second Renewal, if applicable and its period & expiry NA 19 Date of submission of renewal application if Mining Operations are continuing under deemed extension 20 Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment Shri. Mohan Muthukaruppan, M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building, 18/3 Rukmani Lakshipathy Road, Egmore, Chennai-08  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Shri. R.P., Muthiah M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent with Address, phone, email, fax number and date of appointment Holes Agent With Address, phone, email, fax number and date of appointment Holes Agent Market Agent Mark			
11   Post office   Sendurai   Sendurai   Sendurai     12   Nearest police station   Sendurai   Sendurai     13   Nearest Railway station   Ariyalur     14   Date of Grant of Mining Lease   17.04.2015     15   Date of Execution   09.01.2017     16   Date of opening of Mine   19.07.2017     17   Date of first Renewal, if applicable and its period & expiry   NA     18   Date of second Renewal, if applicable and its period & expiry   NA     19   Date of submission of renewal application if Mining Operations are continuing under deemed extension   Operations are continuing under deemed extension     10   Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment   Shri. Mohan Muthukaruppan, M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08     10   Oher Chennai   Oher			
12   Nearest Police station   Sendurai     13   Nearest Railway station   Ariyatur     14   Date of Grant of Mining Lease   17.04.2015     15   Date of Execution   09.01.2017     16   Date of opening of Mine   19.07.2017     17   Date of first Renewal, if applicable and its period & expiry   NA     18   Date of submission of renewal application if Mining   Operations are continuing under deemed extension     19   Date of the Nominated Owner with Address, phone, email, fax number and Date of appointment   Shri. Mohan Muthukaruppan,   M/s. Chettinad Cement Corpn (P) Ltd,   4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08     20   Name of the Mine Agent with Address, phone, email, fax number and date of appointment   Shri. R.P., Muthiah   M/s. Chettinad Cement Corpn (P) Ltd,   4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore, Chennai-08     21   Name of the Mine Agent with Address, phone, email, fax number and date of appointment   M/s. Chettinad Cement Corporation Private Ltd,   4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08   01.12.2022   Ph No. 04329-250011   Email- arymines@chettinadcement.com			
13   Nearest Railway station   Ariyalur	-		
14   Date of Grant of Mining Lease   17.04.2015   15   Date of Execution   19.07.2017   16   Date of Execution   19.07.2017   17   Date of first Renewal, if applicable and its period & expiry   NA   NA   NA   NA   NA   NA   NA   N	$\overline{}$		
15   Date of Execution   19.01.2017   19.07.2017   19.0	$\overline{}$		
16    Date of opening of Mine   19.07.2017     17    Date of first Renewal, if applicable and its period & expiry   NA     18    Date of second Renewal, if applicable and its period & expiry   NA     19    Date of submission of renewal application if Mining Operations are continuing under deemed extension   Operations are continuing under deemed extension     20    Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment   Ath Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road, Egmore, Chennai-08     21    Name of the Mine Agent with Address, phone, email, fax number and date of appointment   Shri. R.P. Muthiah   M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08     01.12.2022   Ph No. 04329-250011   Email- arymines@chettinadcement.com   O1.12.2022	-		
Date of first Renewal, if applicable and its period & expiry   Date of second Renewal, if applicable and its period & expiry   Date of second Renewal, if applicable and its period & expiry   Date of submission of renewal application if Mining   Operations are continuing under deemed extension   Operations are continuing under deemed extension   One of the Nominated Owner with Address, phone, email, fax number and Date of appointment   Shri. Mohan Muthukaruppan,   M/s. Chettinad Cement Corpn (P) Ltd,   4th Floor, Sigappi Aachi Building, 18/3 Rukmani Lakshipathy Road, Egmore, Chennai-08   One of the Mine Agent with Address, phone, email, fax number and date of appointment   Shri. R.P. Muthiah   Shri. R.P. Muthiah   Shri. R.P. Muthiah   Chettinad Cement Corporation Private Ltd,   4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08   One of the Mine Agent with Address   One of the Mine Age			
Date of second Renewal, if applicable and its period & expiry   Date of submission of renewal application if Mining Operations are continuing under deemed extension   Operations are continuing under deemed extension			
expiry  Date of submission of renewal application if Mining Operations are continuing under deemed extension  Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment  Shri. Mohan Muthukaruppan, M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08  01.04.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com  Shri. Mohan Muthukaruppan, M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com	$\overline{}$		<del> </del>
Operations are continuing under deemed extension  Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment  One of the Nominated Owner with Address, phone, email, fax number and Date of appointment  One of the Nominated Owner with Address, phone, email, fax number and date of appointment  Name of the Mine Agent with Address, phone, email, fax number and date of appointment  Name of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number and date of appointment  Nominate of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent with Address, phone, email, fax number address of the Mine Agent With Address of th	18	·	NA
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fax number and Date of appointment  M/s. Chettinad Cement Corpn (P) Ltd, 4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08  01.04.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com  Shri. R.P., Muthiah number and date of appointment  M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com			
4th Floor, Sigappi Aachi Building,18/3 Rukmani Lakshipathy Road,Egmore,Chennai-08  01.04.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com  Shri. R.P., Muthiah M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com	20	Name of the Nominated Owner with Address, phone, email,	
Lakshipathy Road, Egmore, Chennai-08  01.04.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment  Shri. R.P., Muthiah  M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com		fax number and Date of appointment	1 ' ' ' '
21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment  21 Name of the Mine Agent with Address, phone, email, fax number and date of appointment  32 Shri. R.P., Muthiah  33 M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  33 O1.12.2022  34 Ph No. 04329-250011  45 Email- arymines@chettinadcement.com			
Ph No. 04329-250011 Email- arymines@chettinadcement.com  Name of the Mine Agent with Address, phone, email, fax number and date of appointment  M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com			Lakshipathy Road,Egmore,Chennai-08
Ph No. 04329-250011 Email- arymines@chettinadcement.com  Name of the Mine Agent with Address, phone, email, fax number and date of appointment  M/s. Chettinad Cement Corporation Private Ltd, 4th Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com			
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number and date of appointment  M/s. Chettinad Cement Corporation Private Ltd,  4 <sup>th</sup> Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com	21	Name of the Mine Agent with Address where areal for	
4 <sup>th</sup> Floor, Sigappi Aachi Building, 18/3, Rukmani Lakshmipathy Road, Egmore, Chennai -08  01.12.2022  Ph No. 04329-250011 Email- arymines@chettinadcement.com	21	•	1 · · · · · · · · · · · · · · · · · · ·
Lakshmipathy Road, Egmore, Chennai -08 01.12.2022 Ph No. 04329-250011 Email- arymines@chettinadcement.com		number and date or appointment	
01.12.2022  Ph No. 04329-250011  Email- arymines@chettinadcement.com			
Ph No. 04329-250011 Email- arymines@chettinadcement.com			Laksnmipathy Road, Egmore, Chennai -U8
Email- arymines@chettinadcement.com			01.12.2022
Email- arymines@chettinadcement.com			Ph No. 0/329-250011
22   Name of the Milles Manager with Address, pholic, email,   Shiri D.viklalli Fyds	22	Name of the Mines Manager with Address phone email	
	~~	Manic of the Milies Manager with Address, phone, email,	Sin i. D. viki dili 1 yus

Trichy-Ariyalur Road Kilapaluvur, Ariyalur - 621707,	
Kilapaluvur, Ariyalur – 621707,	
Phone: 9788858198.	
vikrampyus.b@chettinadcement.com	
Appointment Date- 30.06.2017	
23 Name of the Mining Engineer, Qualification and total Shri. M. Sathish Kumar, B.E Mining	
experience with Address, phone, email, fax number and Chettinad Cement Corporation (P) Ltd,	
date of appointment in mine Trichy-Ariyalur Road	
Kilapaluvur, Ariyalur - 621707,	
Phone: 9444448438	
Appointment Date- 01.04.2021	
24 Whether Geologist and Mining Engineer appointed in mines Shri. R.Ravikumar, MSc, Geology	
satisfy the rule 42 &carrying out their duties as per rule 43   Chettinad Cement Corporation (P) Ltd,	
& 44. Trichy-Ariyalur Road	
Kilapaluvur, Ariyalur - 621707,	
Ph.No. 9788858243	
Appointment Date- 09.09.2022	
25 Date of Approval of Mining Plan/Modified Mining Plan with Modified Mining Plan: TN/ALR//MP/LST/1782	_
five-year period and specific condition in approval letter, if SZ/1189.MDS Dt: 17.12.2012	
any.	
Modified Mining Plan: TN/ALR/ /MP/LST/2031	.MDS Dt:
13.07.2017	
10.07.2017	
Review of Mining Plan: TN/ALR/LST/ROMP-16	15 MDS
Dated:15.12.2020	713.14123
Dated.15.12.2020	
26 Date of Approval of Scheme of Mining/Modified Scheme of	
Mining with five-year period and specific condition in Modified Mining Plan: IN/ALR/LSI/MMP-ZII	4.MDS
approval letter, if any.	
27 Mineral(s) granted in lease and proved for mining Limestone & Marl	
28 Method of Mining(Opencast, Underground) Open cast	
29 Category (Fully Mechanized, Others or Manual) Fully Mechanized	
30 Captive/Non Captive Captive	

# II - OBSERVATION AND COMMENTS OF INSPECTING OFFICER

#### **Exploration**

S.N.	ltem	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	11 Borehole with 165 m depth.	To Know the quality and reassess the quantity
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	G1	Potentially mineralized area fully explored upto G1 level
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Sai Geo consultancy – Cost of Exploration RS - 247500	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 01.04.2024 (111+121 Category)	Total - 7,73,992 T (Lst - 4,47,800 T Marl - 3,26,192 T)	Total - 5,22,483.36 T (Lst - 1,15,710.36 T Marl - 4,06,773.00 T)	Nil
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Geology & Exploration of the lease were found satisfactory.

<u>Development</u>

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Ref With Grid)	N-1244800 to N- 1245010 E-302350 to E- 302700	N-12447350 N- 1244960 E-302440 to E- 302635	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches proposed in topsoil, OB & Mineral.	Separate benches maintained in topsoil, OB & Mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.13	1.0.22	Violations pointed for deviations from development and exploitation proposals
2d	Quantity of topsoil generation in m <sup>3</sup>	21,200	23,600	Violation pointed for deviation
2e	Quantity of overburden generation in m <sup>3</sup>	42,400	52410	Violation pointed for deviation
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	-	-	Violations pointed for deviations from development and exploitation proposals

## **Exploitation**

S.N.	ltem	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	Nil
3b	Quantity of ROM mineral production proposed	Total – 3,27,600 T Lst- 2,84,400 T Marl- 43,200 T	Total – 2,43,338 T Lst- 2,00,159.12T Marl- 43,178.66 T	Violation pointed for deviation
3c	Recovery of salable / usable mineral from ROM production	100% 327600 Ts	100% 243338 Ts	Violation pointed for deviation
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	NA	NA	Nil

3f	Quantity of sub-grade mineral generation	Nil	Nil	Nil
3g	Grade of sub-grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	Nil
3i	Any analysis or beneficiation study proposed & carried out for subgrade mineral and reject	Nil	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	No Drilling and Blasting proposed	No Drilling and Blasting carried out	Non-Conventional method of Mining using Rock Breakers
3k	Provision of mining machineries in mineral	Excavator, Breaker, Dozer, Tipper, & Water Sprinkler proposed	Excavator, Breaker, Dozer, Tipper, & Water Sprinkler deployed	Nil
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top soil -2m Waste- 4m Lst -6m Marl -6m	Top soil -2m Waste- 4m Lst -6m Marl -6m	Suitable
3m	Total area covered under excavation/pits	12.705 Ha	6.268 Ha	Within proposed limits
3n	Ore to OB ratio for the pit/mine during the year	1:0.13	1.0.22	Violations pointed for deviations from development and exploitation proposals
30	Total area put in use under different heads at the end of year	19.48 Ha	13.95 Ha	Within proposed limits
3р	Production of ROM mineral during last five-year period, as applicable	2019-20: Lst-230674, Marl - 97711 2020-21: Lst-230813, Marl - 98824 2021-22: Lst-269280, Marl - 56484 2022-23: Lst-266400, Marl - 57240 2023-24 Lst-284400, Marl - 43200	2019-20: Lst-230632.68, Marl - 97690.50 2020-21: Lst-230738.68, Marl - 98711.96 2021-22 Lst-196534.05, Marl - 45454.91 2022-23: Lst-188376, Marl - 49255 2023-24 Lst-200159.12, Marl - 43178.66	Within proposed limits
3q	General Remarks of inspecting officer on method of mining etc.	-	-	Violations pointed for deviations from development and exploitation proposals

Solid Waste Management-Dumping

S.N.	ltem	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Topsoil-1 Over Burden-1	Top soil-1 Over Burden-1	No reject generated
4b	Location of topsoil, OB & mineral reject dumps(Ref to	TS Dump - N-1245025 to 1245125 E-302150 to	TS Dump - N-1245025 to 1245125 E-302150 to	Nil

	Grids)	302350	302350	
4c	Number of dumps within lease	Within ML 2	Within ML: 2	Nil
	area and outside lease area	Outside ML: Nil	Outside ML: Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active & alive dumps	Nil	Nil	Nil
4f	Number of dead dumps	1	1	Nil
4g	Number of dumps stabilized	1	1	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain proposed along dump periphery	Garland drain maintained along dump periphery	Nil
4i	Length of Retaining wall or garland drain all along dump	Garland drain - 253 m	Garland drain - 323m	Nil
4j	Number of settling ponds	1 (1200 cu.m)	1 (1200 cu.m)	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	Waste dump management was found satisfactory.

Solid Waste Management - Backfilling

S.N.	ltem	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling proposed after full extraction of mineral	Backfilling done after full extraction of mineral	Nil
5b	Area under backfilling of mined out area	4.5 Ha	3.03 Ha	Violation pointed for deviation
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top Soil utilized for Afforestation purpose	Top Soil utilized for Afforestation purpose	Top soil used concurrently
5d	Total area fully reclaimed & rehabilitated	2.455 Ha	Total - 7.98 Ha; Reclaimed & rehabilitated - 2.992 Ha; Reclaimed - 4.988 Ha	Nil
5e	General Remarks of inspecting officer on backfilling, reclamation etc	-	-	Violation pointed for deviation from backfilling proposal

# Progressive Mine Closure Plan

S.N.	ltem	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly -Rule 23E(2)	Periodic submission proposed	Periodically submitted	Along with Annual Return
6b	Area available for rehabilitation (ha)	Nil	Nil	Nil
6c	Afforestation done (ha)	1.00 Ha	1.02 Ha	Nil
6d	No. of saplings planted during the year	2000	2550	
6e	Cumulative no. of plants	10000	15770	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	75000	85000	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L $\times$ B $\times$ D)	45000 m2	30370 m2	Violation pointed for deviation
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void filled by waste/tailings	4.5 Ha	3.03 Ha	Violation pointed for deviation

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on the 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 rehabilitated (ha)	Nil	Nil	Nil
60	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	Nil	Nil	Nil
6р	Compliance of Environmental monitoring (core zone & buffer zone)	Periodic Monitoring proposed	Periodically Monitored	All parameters within norms
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	-	-	Violation pointed for deviation from backfilling proposal

#### Mineral Conservation

S.N.	ltem	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade- wise sorting within lease area	No Sorting proposed	No Sorting carried out	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	Nil
7c	Different grade of mineral sorted out at mines	NA	NA	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General Remarks of inspecting officer on Mineral conservation & beneficiation issues	-	-	Entire ROM generated is consumed. No issues observed with mineral conservation. No beneficiation proposed or carried out.

#### **Environment**

S.N.	ltem	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Carried out	Nil
8b	Concurrent use or storage of topsoil	Yes, concurrent use proposed	Top soil used concurrently	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Top Soil -1 Over Burden-1	Overburden dump utilized for backfilling and topsoil dump utilized for recapping and afforestation.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling proposed	Backfilling carried out	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposed	Backfilling carried out	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Tree Density : 2000 /ha Variety of Saplings	Cumulative Plantation 15770 No	Nil

		Planted 1.Pungan 2.Neem 3.Pelta 4.Pouvarasa 5.Illupai 6.Teak		
8g	Survival rate	Not specified	90%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed.	Water sprinkling on haul roads carried out	Nil
8i	General Remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty in and around mines area found satisfactory

## Compliance of Rule 45

S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks	
9a	Status of submission of Monthly and Annual returns	Given	Submitted in time	Nil	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Shri. B.Vikram Pyus Mining Engineer Shri. M.Sathish Kumar Geologist Shri. R.Ravikumar	Given in Part I, Sl 7-9.	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-6.268 Ha Reclaimed-7.980 Ha Waste disposal-0.000 Ha Buildings & Roads-0.100 Ha Green Belt-7.577 Ha	Given in Part I, Sl 12.	Nil	
9d	Scrutiny of Annual return on Afforestation	Afforestation -2550 trees	Given in Part V, Sl 5	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject- Nil	Given in Part V, Sl 3	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM- 243337.78 T Stock - Nil	Given in Part VI, Sl 2 & 3(ii).	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price and Cost of Price - Rs 283.56 per tonne	Given in Part VI, Sl 3(ii) & Part VII.	Nil	
9h	Scrutiny of Annual return on fixed assets	GFA- Rs 91,64,10,541 /-	Given in Part II A	Nil	
9i	Scrutiny of Annual return on mining machineries Name of the Machinery Capacity	Back Hoe 0.900 CUM 2  Back Hoe 0.900 CUM 2  Other HEM Machinery 120 1  Tipper 14 MT 5	Given in Part V, Sl 6	Nil	

Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
11(1)	03/12/2024				

Date:	(Matiul Islam)	

Indian Bureau of Mines