

EXECUTIVE SUMMARY

FOR OBTAINING

**Environmental Clearance under EIA Notification – 2006
Schedule Sl. No. 1 (a) (i): Mining Project**

“B1” CATEGORY (Cluster) – MINOR MINERAL – CLUSTER –

PATTA LAND -

CHITHATHOOR ROUGH STONE AND GRAVEL QUARRIES

CLUSTER EXTENT – 31.72.48 Ha

(3 Proposed Quarries+ 4 Existing Quarries)

PROJECT PROPONENT

Proponent Name	Project Location
Thiru.K. Boobalan-P1 S/o. Kannan, No. 782, Mariyamman Kovil Street, Jambodai Village, Alividaithangi Post, Vembakkam Taluk, Tiruvannamalai District – 604 402	Extent: 4.36.78 ha S.F. Nos: 222/4, 223/1, 2A, 2B, 227/13, 2E5A1, 2E5B, 2E7, 228/4, 5, 6, 7A, 9A, 9B Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District
M M/s. SRC Projects Private Limited- P2 No. 4-B, Lakshmipuram, Gandhi Road, Salem District – 636 007.	Extent: 7.98.7 ha S.F.Nos. 208/3B2, 208/4A, 208/4B2, 208/2H, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 230/8, 230/9, 230/10A, 230/10B, 230/11, 230/12A, 230/12B, 230/14A, 230/14B, 230/14C, 230/14D, 230/15, 230/16A, 230/16B, 230/18, 230/19, 230/20, 230/22C, 230/24, 230/25, 230/26, 230/27, 230/30, 230/31, 230/33, 230/34, 230/37, 230/38 & 230/39 Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District

File No. 11797 TOR Identification No. TO24B0108TN5726366N Dated:07.04.2025-P1

Environmental Consultant

GEO EXPLORATION AND MINING SOLUTIONS

Old No. 260-B, New No. 17,
Advaitha Ashram Road, Alagapuram,
Salem – 636 004, Tamil Nadu, India



Accredited for sector 1 Category 'A' 31 & 38 Category 'B'
Certificate No: NABET/EIA/2225/RA0276



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EHS 360 LABS PRIVATE LIMITED,
NABL Accredited laboratory
10/2 Ground floor, 50th street, 7th Avenue,
Ashok Nagar, Chennai – 600 083.

Baseline Monitoring Period: Dec 2024 to Feb 2025

MAY 2025

1. INTRODUCTION

Project History- P1

The project proponent Thiru.K. Boobalan applied for Rough Stone and Gravel Quarry over an extent of 4.36.78 Ha in S.F. No 222/4, 223/1, 2A, 2B, 227/13, 2E5A1, 2E5B, 2E7, 228/4, 5, 6, 7A, 9A & 9B Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District.

- Proponent applied for Rough stone and Gravel quarry lease on 27.08.2024
- Precise area communication letter was issued by the District Collector vide RC. No. 275/Kanimam/2024 Dated 14.11.2024
- The Mining plan has been prepared by the Qualified person and got approval vide Letter RC. No. 275/kanimam/2024 Dated 09.12.2024
- The Mining plan has been approved for the quantity of 4,25,830 m³ of Rough stone 2,51,918 m³ Gravel up to the depth of 47m bgl for the period of five years.
- Proponent applied for ToR for Environmental Clearance vide online Proposal No. SIA/TN/MIN/516771/2024. dated: 31.12.2024 and obtained Terms of Reference File No.11797 Tor Identification No: TO24B0108TN5726366N Dated 07.04.2025

Project History- P2

The project proponent M/s. SRC Projects Private Limited applied for Rough Stone and Gravel Quarry over an extent of 7.98.7 Ha in S.F. No 208/3B2, 208/4A, 208/4B2, 208/2H, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 230/8, 230/9, 230/10A, 230/10B, 230/11, 230/12A, 230/12B, 230/14A, 230/14B, 230/14C, 230/14D, 230/15, 230/16A, 230/16B, 230/18, 230/19, 230/20, 230/22C, 230/24, 230/25, 230/26, 230/27, 230/30, 230/31, 230/33, 230/34, 230/37, 230/38 & 230/39 Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District.

- Proponent applied for Rough stone and Gravel quarry lease on 13.02.2025
- Precise area communication letter was issued by the District Collector vide RC. No. 86/Kanimam/2025 Dated 28.03.2025
- The Mining plan has been prepared by the Qualified person and got approval vide Letter RC. No. 86/kanimam/2025 Dated 07.04.2025
- The Mining plan has been approved for the quantity of 50,13,217 Ts of Rough stone 2,55,656 Ts Gravel up to the depth of 86m bgl for the period of Ten years.
- Proponent applied for ToR for Environmental Clearance vide online Proposal No. SIA/TN/MIN/534742/2025 dated: 22.07.2023 and obtained Terms of Reference File No.11797 Tor Identification No: TO25B0108TN5680544N Dated 17.06.2025

Based on the ToR Baseline Monitoring study has been carried out for one season ie (Winter Season)., December 2024 to February 2025 and this EIA/EMP report is prepared for considering cumulative impacts arising out of this project, the Cumulative Environmental Impact Assessment study is undertaken, which is followed by preparation of a detailed Environmental Management Plan (EMP) to minimize those adverse impacts

1.1 DETAILS OF PROJECT PROPONENT –

P1	
Name of the Project Proponent	Thiru.K.Boobalan
Address	S/o. Kannan, No. 782, Mariyamman Kovil Street, Jambodai Village, Alividaithangi Post,

	Vembakkam Taluk, Tiruvannamalai District – 604 402
Mobile	+91 9786228677 and 9786228636
Email	boobalankpm@gmail.com
Status	Individual
P2	
Name of the Project Proponent	M/s. SRC Projects Private Limited (Thiru. R. Ganesan – Director & Authorized Signatory)
Address	No. 4-B, Lakshmipuram, Gandhi Road, Salem District – 636 007.
Mobile	+91 98427 44471
Email	srcpurchase@yahoo.com
Status	Private Limited Company

Source: Approved Mining Plan

1.2 QUARRY DETAILS WITHIN 500 M RADIUS

PROPOSED QUARRIES					
CODE	Name of the Owner	Village	S.F. Nos	Extent in Ha	Status
P1	Thiru. K. Boobalan, S/o. Kannan, No. 782, Mariyamman Kovil Street, Jambodai Village, Alividaithangi Post, Vembakkam Taluk, Tiruvannamalai District – 604 402	Chithathoor Village	S.F.No.222/4, 223/1, 2A, 2B, 227/13, 2E5A1, 2E5B, 2E7, 228/4, 5, 6, 7A, 9A, 9B	4.36.78	File No.17797 TOR Identification No. TO24B0108TN5726366N Dated: 07.04.2025
P2	M/s. SRC Projects Private Limited, No. 4-B, Lakshmipuram, Gandhi Road, Salem District – 636 007	Chithathoor Village	S.F.No. 208/3B2,208/ 4A, 208/4B2, 208/2H,230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 230/8, 230/9,230/10 A,230/10B,23 0/11,230/12A, 230/12B,230/ 14A,230/14B, 230/14C,230/ 14D,230/15, 230/16A,230/ 16B, 230/18, 230/19,230/20 ,230/22C,230/ 24,230/25,230 /26,230/27, 230/30,230/31 ,230/33,230/3 4,230/37,230/ 38 & 230/39	7.98.7	File No. 12086 TOR Identification No. TO25B0108TN5680544N Dated:17.06.2025
TOTAL EXTENT				12.35.48 ha	
NEARBY PROPOSED QUARRIES					
CODE	Name of the Owner	Village	S.F. Nos	Extent in Ha	Status
P3	M/s.Lion Mines No.46/1 Ponnammallee Bypass Road, Poonammallee,	Palli	9/3B,3C,4,5,6, 7A,7B,9,10A, 10B,11,12,14, 15,18,20	2.67.5	Applied for quarry lease

	Chennai				
TOTAL EXTENT				2.67.5 ha	
EXISTING QUARRIES					
CODE	Name of the Owner	Village	S.F. Nos	Extent in Ha	Status
E-1	TvI.SRC Projects (P) Ltd.III 4-B, Lakshmipuram, Gandhi Road,Salem-636 007.	Chithathoor	210/1,211, 212/1,2, 3, 4, 5, 6, 7, 8, 9, 10,11,12,13,1 4,15,16,17&1 8	8.06.5	10.11.2022 to 09.11.2027
E-2	TvI.SRC Projects (P) Ltd.III 4-B, Lakshmipuram, Gandhi Road,Salem-636 007.	Chithathoor	222/18,19, 20 & 21	1.97.0	14.09.2022 to 13.09.2027
E-3	Thiru.J. Venkatesan, S/o.Jayabalan, No.29/8, First Street, Vedachalam Nagar. Sevlimedu, Kancheepuram	Chithathoor	221/4,5,6,7,12 ,13,14,15,19,2 0,21 & 22	2.42.0	29.11.2022 to 28.11.2032
E-4	Thiru. K. Boobalan, S/o. Kannan, No. 782, Mariyamman Kovil Street, JambodaiVillage, Alividaithangi Post, Vembakkam Taluk, Tiruvannamalai District – 604 402	Chithathoor	224/1,3,4,5,7, 227/2E1,2E2, 2E3A,2E3B,2 E6,228/3 & 229/2	4.24.0	03.07.2023 to 02.07.2033
TOTAL EXTENT				16.69.5ha	
ABANDONED QUARRY					
CODE	Name of the Owner	Village	S.F. Nos	Extent in Ha	Status
A-1	TvI.SRC Projects (P) Ltd., 4- B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathoor	213/1, 213/2, 214/1, 214/2, 214/3, 215/1 215/2, 215/3, 215/4, 215/5, 215/6& 222/17	4.71.5	14.12.2018 to 13.12.2023
A-2	TvI.SRC Projects (P) Ltd., 4- B, Lakshmipuram, Gandhi Road, Salem-636 007.	Palli	40/1 (Part), 40/3, 40/4, 40/5, 40/6, 42, 43/1A, 43/113, 43/2, 43/3, 43/4A & 43/4B	4.75.5	21.07.2016 to 20.07.2021
A-3	TvI.SRC Projects (P) Ltd., 4- B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathoor	212/1,212/8,2 222/6,222/16	8.75.5	24.01.2011 to 23.01.2016
A-4	Thiru.J. Venkatesan 153-A/1, Pillayar Koil Street Melapattu Village, Ramakrishnapuram	Chithathoor	216/1 (0.51.0) 216/2 (0.67.0)	1.18.0	25.04.2012 to 24.04.2017
A-5	Thiru.J. Venkatesan 153-A/1, Pillayar Koil Street Melapattu Village, Ramakrishnapuram	Chithathoor	217/1,217/2, 217/4 (Part) & 217/5 (Part)	1.00.0	14.09.2017 to 13.09.2022
TOTAL EXTENT				20.40.5	
TOTAL CLUSTER EXTENT				31.72.48	

Cluster area is calculated as per MoEF & CC Notification – S.O. 2269 (E) Dated: 01.07.2016

As per above notification S.O.2269(E) dated : 01.07.2016 in para (b) in Appendix XI,- (ii)(5): The lease not operative for three years or more and leases which have got environmental clearance as on 15th January, 2016 shall not be counted for calculating

the area of cluster, but shall be included in the Environment Management Plan and the Regional Environmental Management Plan.

1.2 SALIENT FEATURES OF THE PROPOSAL

DESCRIPTION OF THE PROJECT-P1

Name of the Project	Thiru.K.Boobalan Rough Stone and Gravel Quarry	
S.F. No.	222/4, 223/1, 2A, 2B, 227/13, 2E5A1, 2E5B, 2E7, 228/4, 5, 6, 7A, 9A, 9B	
Extent	4.36.78 ha	
Village,Taluk and District	Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District.	
Land Type	It is a patta lands, registered in the name of Thiru.K. Sudakaran vide patta Nos.2045 &1415. The applicant has obtained consent from the pattadars	
Toposheet No	57 P/10	
Latitude between	12° 43' 33.38"N to 12° 43' 41.64"N	
Longitude between	79° 36' 33.54"E to 79° 36' 43.36"E	
Elevation of the area	120m AMSL	
Lease period	5 Years	
Mining Plan period	5 years	
Proposed Depth of Mining	47m bgl (2m Gravel + 45m Rough stone)	
Geological Resources	Rough Stone in m ³	Gravel m ³
	3310500	308980
Mineable Reserves	425830	211918
Year wise Production for five years	425830	211918
Peak Production	1,01,570	75,481
Ultimate Pit Dimension	Amalgamating Mine Boundary	XY-AB: 109m (L) X 119m (W) X 72m (D) XY-CD: 54m (L) X 82m (W) X 42m BGL(D) X1Y1-CD: 132m (L) X 75m (W) X 82m BGL (D) X1Y1-EF: 42m (L) X 102m (W) X 37m BGL (D) X2Y2-EF: 86m (L) X 74m (W) X 32m BGL(D)
	Leaving safety and benches	XY-AB: 99m (L) X 109m (W) X 42m (D) XY-CD: 54m (L) X 82m (W) X 42m BGL(D) X1Y1-CD: 123m (L) X 66m (W) X 47m BGL (D) X1Y1-EF: 42m (L) X 102m (W) X 37m BGL (D) X2Y2-EF: 77m (L) X 74m (W) X 32m BGL(D)
Water Level in the region	86-88m bgl	
Method of Mining	Opencast Mechanized Mining Method involving drilling and Controlled blasting using Slurry Explosives	
Topography	The lease applied area is plain terrain. The area has gentle sloping towards Eastern side and altitude of the area is 120m above from Mean Sea level. The	

	area is covered by 2m thickness of Gravel and followed by Massive Charnockite which is clearly inferred from the nearby existing quarry pit.	
Machinery proposed	Hand Jack Hammer	6 Nos
	Wagon Drill Machine	3 Nos
	Compressor	2 Nos
	Excavator with Bucket and Rock Breaker	2 Nos
	Tippers	5 Nos
Blasting Method	Controlled Blasting Method by shot hole drilling and small dia of 25mm slurry explosive are proposed to be used for shattering and heaving effect for removal and winning of Rough Stone. No deep hole drilling is proposed.	
Proposed Manpower Deployment	41 Nos	
Project Cost	Rs. 39780000/-	
EMP Cost	Rs. 21,20,000/-	
Total Project cost	Rs. 4,19,00,000/-	
CER Cost	Rs. 5,00,000/-	
Nearby Water Bodies	Tank	210m SE
	Chithathoor Eri	280m NW
	Odai	370m NW
	Tank	680m SW
	Mamandur Tank	2km NE
	Cheyyar River	7km South
	Palar River	9km NE
Greenbelt Development Plan	Proposed to plant 2180 Nos of trees considering 500 Nos of trees/ Ha criteria The plantation will be developed around the project site and nearby village roads	
Proposed Water Requirement	2.2 KLD	
Nearest Habitation	400m – North west	
Nearest Reserve Forest	Thandappanthangal RF – 10.40Km – NW (Source - TNGIS)	
Nearest Wild Life Sanctuary	Karikili Birds Sanctuary – 23 Km – SE Vedanthangal Birds Sanctuary + 5km Safety distance – 28km - SE	

Source: Approved Mining Plan

DESCRIPTION OF THE PROJECT-P2

Name of the Project	M/s. SRC Projects Private Limited
S.F. No.	208/3B2, 208/4A, 208/4B2, 208/2H, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 230/8, 230/9, 230/10A, 230/10B, 230/11, 230/12A, 230/12B, 230/14A, 230/14B, 230/14C, 230/14D, 230/15, 230/16A, 230/16B, 230/18, 230/19, 230/20, 230/22C, 230/24, 230/25, 230/26, 230/27, 230/30, 230/31, 230/33, 230/34, 230/37, 230/38 & 230/39
Extent	7.98.7 ha
Village, Taluk and District	Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District.
Land Type	It is a patta lands, patta no.1939 registered in the name of Thiru.P. Vimalan and other area registered in the name of company vide patta Nos.1908 and 1913. The company has given power to Thiru.P. Vimalan for purchase the lands in his name on behalf the company. Hence, the company has got surface rights over the area applied for quarry lease.
Toposheet No	57 P/10
Latitude between	12° 43' 36.85912"N to 12° 43'45.64052"N
Longitude between	79° 36' 15.89903"E to 79° 36' 35.15169"E
Elevation of the area	112m AMSL

Lease period	10 Years	
Mining Plan period	10 years	
Proposed Depth of Mining	86m bgl (2m Gravel + 84m Rough stone)	
Geological Resources	Rough Stone in Ts	Gravel Ts
	1,84,49,970	3,19,480
Mineable Reserves	50,13,217	2,55,656
Year wise Production for five years	50,13,217	2,55,656
Peak Production	6,01,785	50,808
Ultimate Pit Dimension	XY-AB: 81m (L) X 32m (W) X 11m (D) X1Y1-CD: 142m (L) X 62m (W) X 26m BGL (D) X2Y2-CD: 116m (L) X 102m (W) X 46m BGL (D) X3Y3-GH: 216m (L) X 174m (W) X 86m BGL (D) X4Y4-EF: 67m (L) X 52m (W) X 26m BGL(D)	
Water Level in the region	90-92m bgl	
Method of Mining	Opencast Mechanized Mining Method involving drilling and Controlled blasting using Slurry Explosives	
Topography	The lease applied area is plain terrain. The area has gentle sloping towards Eastern side and altitude of the area is 112m above from Mean Sea level. The area is covered by 2m thickness of Gravel and followed by Massive Charnockite which is clearly inferred from the nearby existing quarry pit.	
Machinery proposed	Hand Jack Hammer	4 Nos
	Crawler mounted Drill Machine	2 Nos
	Compressor	1 Nos
	Excavator with Bucket and Rock Breaker	3 Nos
	Tippers	5 Nos
Blasting Method	Controlled Blasting Method by shot hole drilling and small dia of 25mm slurry explosive are proposed to be used for shattering and heaving effect for removal and winning of Rough Stone. No deep hole drilling is proposed.	
Proposed Manpower Deployment	35 Nos	
Project Cost	Rs. 4,63,02,000/-	
EMP Cost	Rs. 32,10,000/-	
Total Project cost	Rs. 4,95,12,000/-	
CER Cost	Rs. 5,00,000/-	
Nearby Water Bodies	Chithathoor Eri	80m NW
	Odai	180m NW
	Tank	320m SW
	Tank	540m SE
	Mamandur Tank	2km NE
	Cheyyar River	7km South
	Palar River	9km NE
Greenbelt Development Plan	Proposed to plant 4000 Nos of trees considering 500 Nos of trees/ Ha criteria The plantation will be developed around the project site and nearby village roads	
Proposed Water Requirement	2.5 KLD	
Nearest Habitation	320m – North East	
Nearest Reserve Forest	Thandappanthangal RF – 9.7Km – NW (Source - TNGIS)	

Nearest Wild Life Sanctuary

Karikili Birds Sanctuary – 23.3 Km – SE
Vedanthal Birds Sanctuary + 5km Safety distance – 28km - SE

Source: Approved Mining Plan

1.3 STATUTORY DETAILS

SCREENING: -P1

- Proponent applied for Rough stone and Gravel quarry lease on 27.08.2024
- Precise area communication letter was issued by the District Collector vide RC. No. 275/Kanimam/2024 Dated 14.11.2024
- The Mining Plan was prepared by Recognized Qualified Person and approved by Assistant Director, Geology and Mining, Tiruvannamalai District, vide vide RC.No. 275/kanimam/2024 Dated.09.12.2024
- The proposed project falls under “B1” Category as per Order Dated: 04.09.2018 & 13.09.2018 passed by Hon'ble National Green tribunal, New Delhi in O.A. No. 173 of 2018 & O.A. No, 186 of 2016 and MoEF & CC Office Memorandum F. No. L-11011/175/2018-IA-II (M) Dated: 12.12.2018
- Proponent applied for ToR for Environmental Clearance vide online Proposal No. SIA/TN/MIN/516771/2024. dated: 31.12.2024

SCOPING: -P1

- The proposal was placed in 538th SEAC meeting held on 01.03.2025 and the committee recommended for issue of ToR.
- The proposal was considered in 804th SEIAA meeting held on 01.04.2025 and issued Terms of Reference File no.11797 Tor Identification No: TO24B0108TN5726366N Dated 07.04.2025

SCREENING: -P2

- Proponent applied for Rough stone and Gravel quarry lease on 13.02.2025
- Precise area communication letter was issued by the District Collector vide RC. No. 86/Kanimam/2025 Dated 28.03.2025
- The Mining Plan was prepared by Recognized Qualified Person and approved by Assistant Director, Geology and Mining, Tiruvannamalai District, vide vide RC.No. 86/kanimam/2025 Dated.07.04.2025
- The proposed project falls under “B1” Category as per Order Dated: 04.09.2018 & 13.09.2018 passed by Hon'ble National Green tribunal, New Delhi in O.A. No. 173 of 2018 & O.A. No, 186 of 2016 and MoEF & CC Office Memorandum F. No. L-11011/175/2018-IA-II (M) Dated: 12.12.2018
- Proponent applied for ToR for Environmental Clearance vide online Proposal No. SIA/TN/MIN/534742/2025 Dated 22.07.2023.

SCOPING: -P2

- The proposal was placed in 564th SEAC meeting held on 13.05.2025 and the committee recommended for issue of ToR.
- The proposal was considered in 836th SEIAA meeting held on 06.06.2025 & 11.06.2025 and issued Terms of Reference File no.12086 Tor Identification No: TO25B0108TN5680544N Dated 17.06.2025

2. PROJECT DESCRIPTION

The proposed projects are site specific and there is no additional area required for this project. There is no effluent generation/discharge from the proposed quarries.

Method is mining is common for all the quarries in the cluster. Rough Stone is proposed to be excavated by opencast mechanized method involving splitting of rock mass of considerable volume from the parent rock

mass by jackhammer drilling and blasting, hydraulic excavators are used for loading the Rough Stone from pithead to the needy crushers and rock breakers to avoid secondary blasting.

2.1 SITE CONNECTIVITY TO THE PROJECT AREA

Nearest Roadway	NH – 132B – Kancheepuram – Chengalpattu -15 km -NE SH – 116– Kancheepuram – Vandavasi-6.0 km- SE
Nearest Village	Chithathoor– 320 m – North East
Nearest Town	Vembakkam– 6.5km – North West
Nearest Railway Station	Kancheepuram – 16.6km – North East
Nearest Airport	Chennai - 66km – NE
Seaport	Chennai - 84.0km – NE

Source: Survey of India Toposheet

2.2 LAND USE PATTERN OF THE LEASE APPLIED AREA-P1

Description	Proposed Amalgamation		Leaving safety and Benches	
	Present area (Ha)	Area at the end of lease period (Ha)	Present area (Ha)	Area at the end of lease period (Ha)
Area Under Quarry	Nil	3.89.46	Nil	3.58.23
Site Services	Nil	0.01.00	Nil	0.01.00
Roads	Nil	0.02.00	Nil	0.02.00
Green Belt	Nil	0.44.32	Nil	0.44.32
Unutilized Area	4.36.78	Nil	4.36.78	0.31.23
Grand Total	4.36.78	4.36.78	4.36.78	4.36.78

Source: Approved Mining Plans of Proposal

LAND USE PATTERN OF THE LEASE APPLIED AREA-P2

Description	Present area (Ha)	Area required during first five years (Ha)	Area at the end of the lease period (Ha)
Area Under Quarrying	Nil	3.50.0	6.62.7
Infrastructure	Nil	0.01.0	0.01.0
Roads	Nil	0.02.0	0.05.0
Green Belt	Nil	0.65.0	1.30.0
Unutilized Area	7.98.7	3.80.7	Nil
Grand Total	7.98.7	7.98.7	7.98.7

Source: Approved Mining Plans of Proposal

2.3 OPERATIONAL DETAILS OF LEASE APPLIED AREA-P1

PARTICULARS	DETAILS	
	Rough Stone in m ³	Gravel in m ³
Geological Resources	33,10,500	3,08,980
Mineable Reserves	4,25,830	2,11,918
Production for five-year plan period	4,25,830	2,11,918
Peak Production	1,01,570	75,481
Mining Plan Period / Lease Applied Period	5 Years	
Number of Working Days	300 Days	
Production per day	284	235

No of Lorry loads (12m ³ per load)	24	20
Total Depth of Mining	47m (2m Gravel +45m Rough stone) below ground level.	

Source: proposed mining plan

OPERATIONAL DETAILS OF LEASE APPLIED AREA-P2

PARTICULARS	DETAILS	
	Rough Stone in Ts	Gravel in Ts
Geological Resources	1,84,49,970	3,19,480
Mineable Reserves	50,13,217	2,55,656
Production for 1 st five-year plan period	24,76,763	1,28,640
Production for 2 nd five-year plan period	25,36,454	1,27,016
Peak Production	6,01,785	50,808
Mining Plan Period / Lease Applied Period	5 Years	
Number of Working Days	300 Days	
Production per day	1671	85
No of Lorry loads (20 Ts per load)	84	4
Total Depth of Mining	76m (2m Gravel +74m Rough stone) below ground level.	

2.4

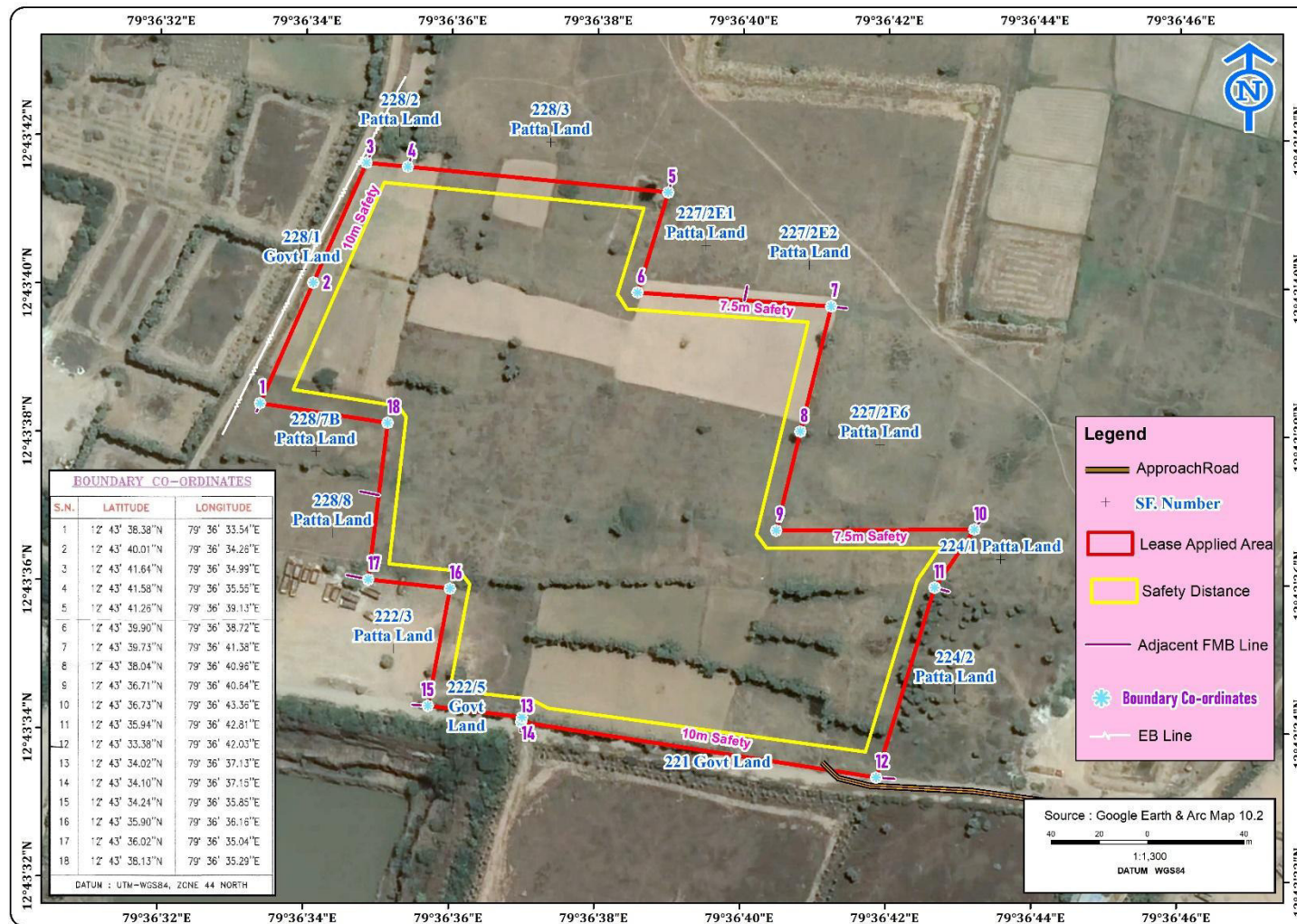
OPERATIONAL DETAILS OF LEASE APPLIED AREA-P1

YEAR	ROUGH STONE (m ³)	GRAVEL (m ³)
I	82,030	70,368
II	90,415	66,069.5
III	1,01,570	75,481
IV	83,270	-
V	68,545	-
TOTAL	4,25,830	211,918

Source: proposed mining plan

OPERATIONAL DETAILS OF LEASE APPLIED AREA-P2

YEAR	ROUGH STONE Ts	GRAVEL Ts
I	76,379	49,416
II	5,99,789	18,096
III	6,01,785	24,936
IV	6,01,750	20,184
V	5,97,060	16,008
VI	5,05,348	16,008
VII	4,99,980	14,616
VIII	5,08,525	50,808
IX	4,94,807	-
X	5,27,794	45,584
TOTAL	50,13,217	2,55,656

FIGURE – 1: GOOGLE IMAGE OF THE PROJECT AREA -P1

Source: Google Earth Imagery

FIGURE – 2: GOOGLE IMAGE OF THE PROJECT AREA -P2

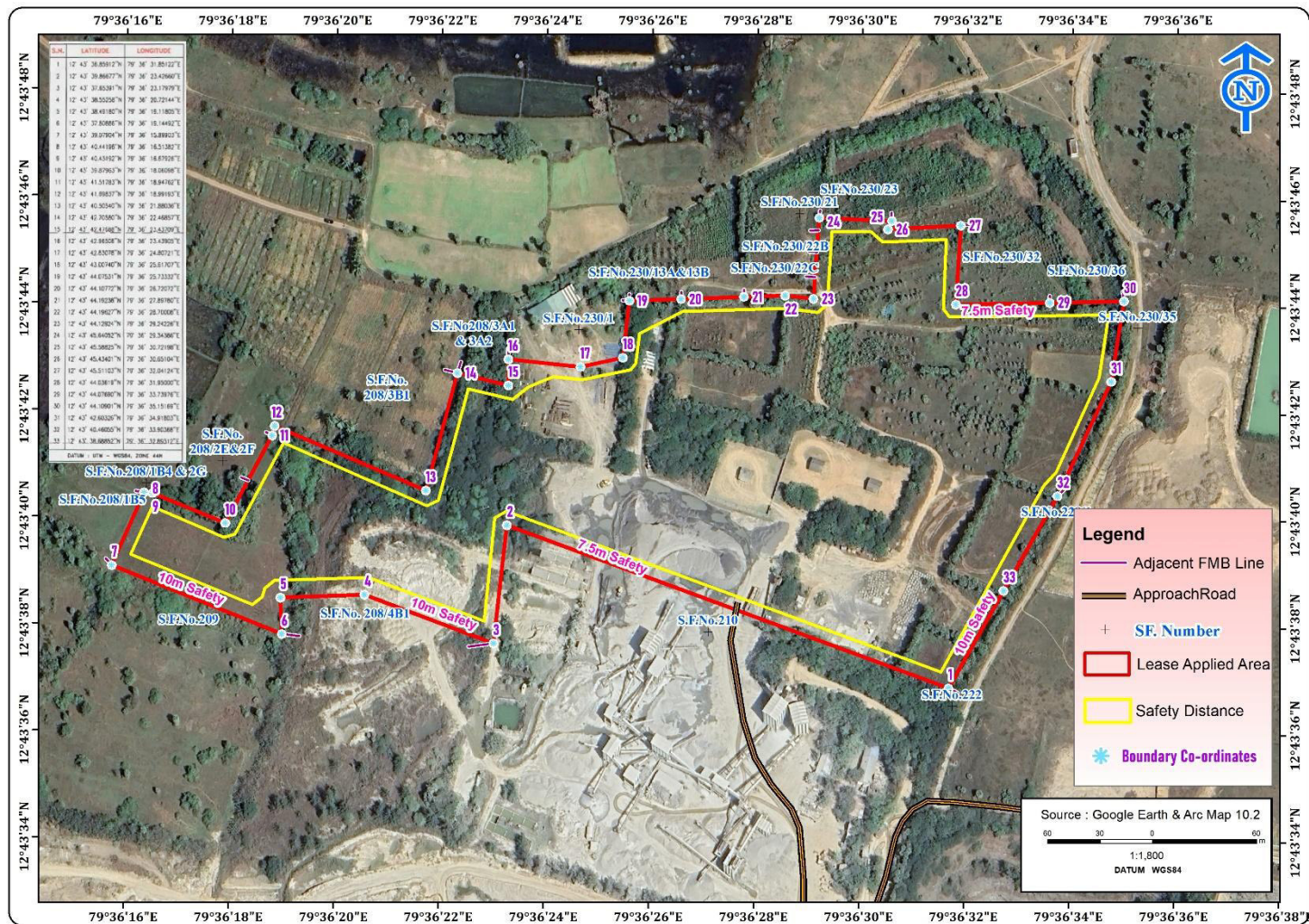
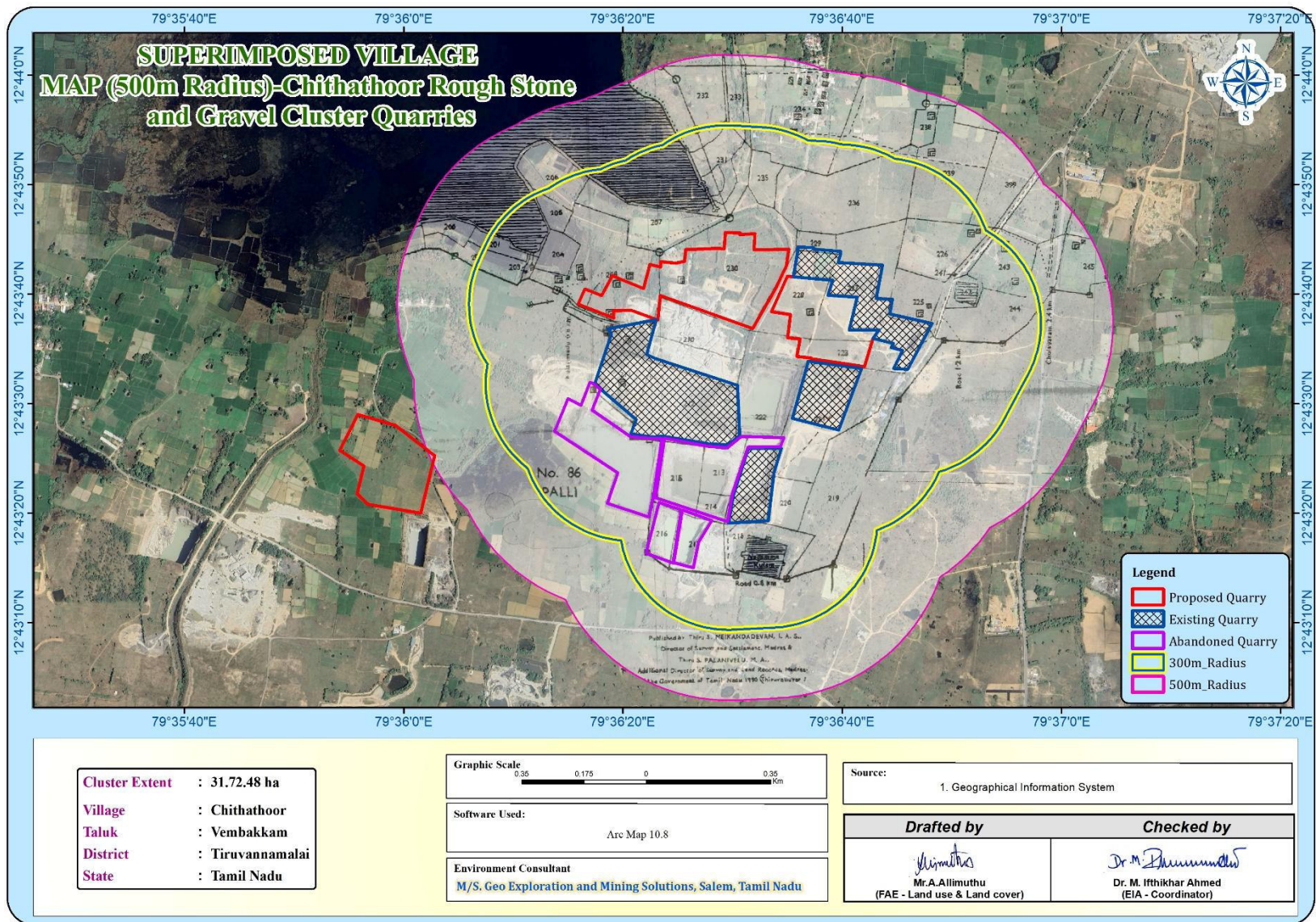


FIGURE – 2: VILLAGE MAP SUPERIMPOSED ON GOOGLE EARTH IMAGE

BOUNDARY CO-ORDINATES

S.N.	LATITUDE	LONGITUDE
1	12° 43' 36.38"N	79° 35' 33.54"E
2	12° 43' 40.01"N	79° 35' 34.36"E
3	12° 43' 41.64"N	79° 35' 34.99"E
4	12° 43' 41.58"N	79° 35' 35.55"E
5	12° 43' 41.28"N	79° 35' 36.13"E
6	12° 43' 36.90"N	79° 35' 36.72"E
7	12° 43' 36.73"N	79° 35' 41.38"E
8	12° 43' 38.04"N	79° 35' 40.96"E
9	12° 43' 36.71"N	79° 35' 40.64"E
10	12° 43' 36.73"N	79° 35' 43.36"E
11	12° 43' 35.94"N	79° 35' 42.81"E
12	12° 43' 33.38"N	79° 35' 42.03"E
13	12° 43' 34.02"N	79° 35' 37.15"E
14	12° 43' 34.10"N	79° 35' 37.15"E
15	12° 43' 34.24"N	79° 35' 35.85"E
16	12° 43' 35.90"N	79° 35' 36.16"E
17	12° 43' 36.02"N	79° 35' 35.04"E
18	12° 43' 38.13"N	79° 35' 35.29"E

Datum : JTM-WGS84, Zone 44 NORTH

PLATE NO. H-A
 MAIN CO-SURVEY IS-1/2021

APPLICANT:
 PHILLIP C RODRIGUES S/O. KANNAN NEDU
 MARIAMMAKKAL STREET,
 JAYANGODI VILLAGE,
 ADIVETAHANGI POST, VEMBAKODAI TALUK,
 TIRUVANMALAI DISTRICT AND

LOCATION OF QUARRY AREA:
 EAST ATTUPP AREA
 4 FMS - 100 YDS 200 YDS
 EXTENT 1.436.78 HA
 VILLAGE - JAYANGODI
 TALUK - VEMBAKODAI
 DISTRICT - TIRUVANMALAI
 STATE - TAMILNADU

INDEX
 QUALIFIED SURVEY BOUNDARY
 7.5M BIRTH SAFETY DISTANCE
 TEMPORARY BENCHMARK
 APPROACH ROAD
 GRAVEL
 SCRUB
 STAKE AND DIP
 G.P.M.

QUARRY LEASE AND SURFACE PLAN
 SCALE: 1:1000

PRIORITISED SET
 I HAVE TO CERTIFY THAT THE INFORMATION IN THIS PLAN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE BASED UPON THE DATA MAP NOTIFICATION

SURVEYED BY:

 SURVEYOR

CHECKED BY:

 CHECKER

DATE: 10/05/2021

FIGURE 3: QUARRY LEASE PLAN / SURFACE PLAN-P2

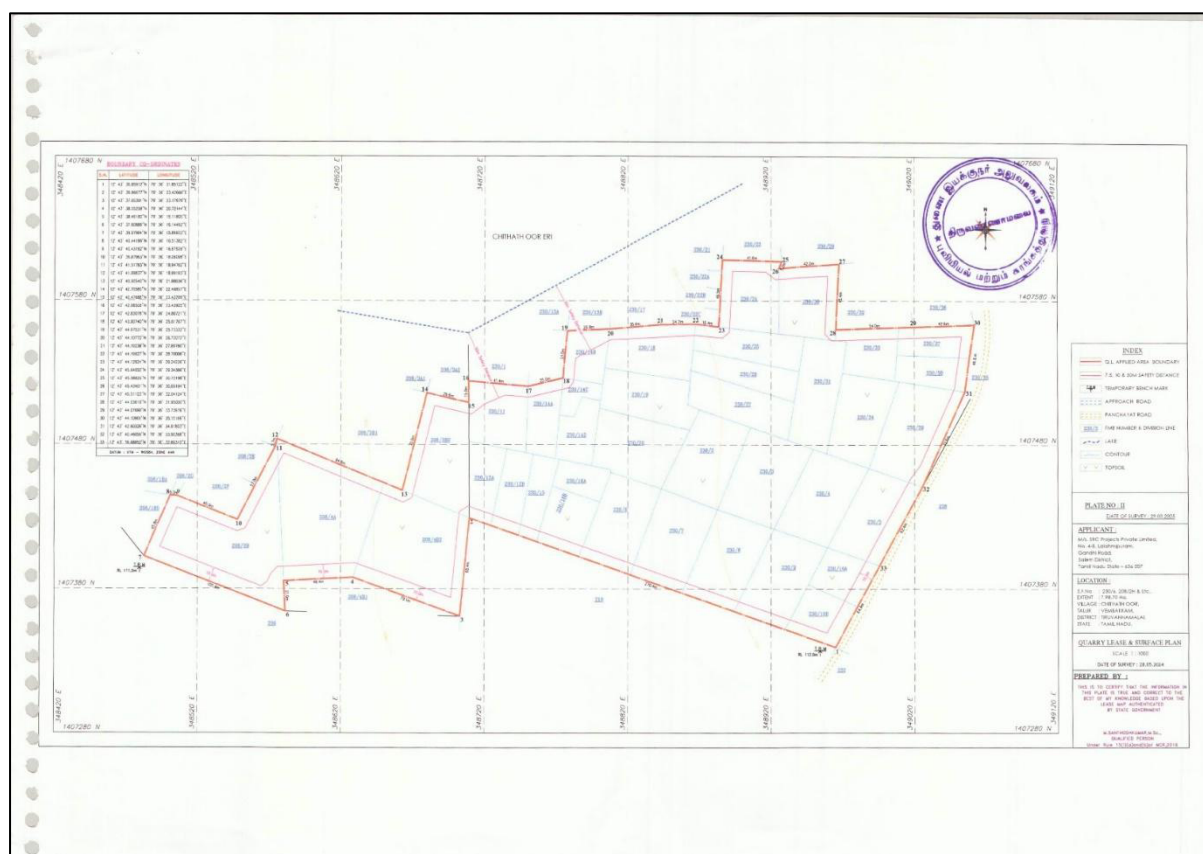
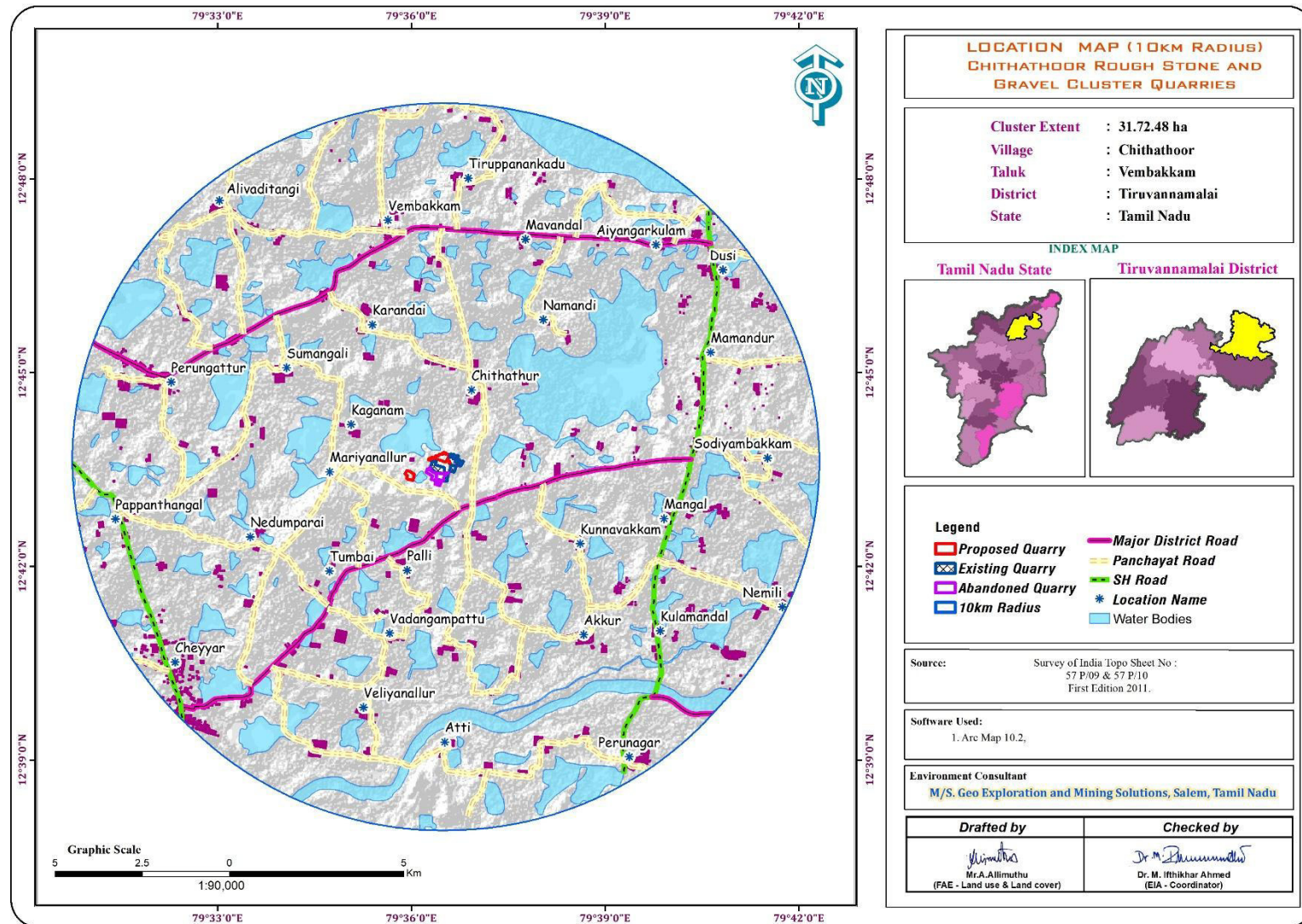


FIGURE – 4: IMAGE SHOWING SURFACE FEATURES AROUND 10 KM RADIUS

2.5 METHOD OF MINING

Proposed Method of Mining is common for all the Proposed Projects – The method of mining is Opencast Mechanized Mining Method is being proposed by formation of 5.0-meter height bench with a bench width not less than the bench height. However, as far as the quarrying of Rough Stone is concerned, observance of the provisions of Regulation 106 (2) (b) as above is seldom possible due to various inherent petro genetic factors coupled with mining difficulties. Hence it is proposed to obtain relaxation to the provisions of the above regulation from the Director of Mines Safety for which necessary provision is available with the Regulation 106 (2) (b) of MMR-1961, under Mine Act – 1952.

The Rough Stone is a batholith formation and the splitting of rock mass of considerable volume from the parent rock mass will be carried out by deploying jackhammer drilling and Slurry Explosives will be used for blasting. Hydraulic Excavators attached with Rock Breakers unit will be deployed for breaking large boulders to required fragmented sizes to avoid secondary blasting and hydraulic excavators attached with bucket unit will be deployed for loading the Rough Stone into the tippers and then the stone is transported from pithead to the nearby crushers.

2.6 PROPOSED MACHINERY DEPLOYMENT-P1 & P2

P1				
S.NO.	TYPE	NOS	SIZE/CAPACITY	MOTIVE POWER
1	Hand Jack hammers	6	1.2m to 2.0m	Compressed air
2	Wagon Drill Machine	3	3m to 10m	Diesel Drive
3	Compressor	2	400psi	Diesel Drive
4	Excavator with Bucket and Rock Breaker	2	300 HP	Diesel Drive
5	Tippers	5	20 Tonnes	Diesel Drive
P2				
S.NO.	TYPE	NOS	SIZE/CAPACITY	MOTIVE POWER
1	Hand Jack hammers	4	1.2m to 2.0m	Compressed air
2	Crawler Mounted Drill Machine	2	Upto 9m	Diesel Drive
3	Compressor	1	400psi	Diesel Drive
4	Excavator with Bucket and Rock Breaker	3	300 HP	Diesel Drive
5	Tippers	5	30 Tonnes	Diesel Drive

Source: Approved Mining Plan

2.7 CONCEPTUAL MINING PLAN/ FINAL MINE CLOSURE PLAN

- ✚ At the end of life of mine, the excavated mine pit / void will act as artificial reservoir for collecting rain water and helps to meet out the demand or crises during drought season.
- ✚ After mine closure the greenbelt developed along the safety barrier and top benches and temporary water reservoir will enhance the ecosystem
- ✚ Mine Closure is a process of returning a disturbed site to its natural state or which prepares it for other productive uses that prevents or minimizes any adverse effects on the environment or threats to human health and safety.
- ✚ The principal closure objectives are for rehabilitated mines to be physically safe to humans and animals, geo-technically stable, geo-chemically non-polluting/ non-contaminating, and capable of sustaining an agreed post-mining land use.

3. DESCRIPTION OF THE ENVIRONMENT

Field monitoring studies to evaluate the base line status of the project site were carried out during Dec 2024 to Feb 2025 as per CPCB guidelines. Environmental Monitoring data has been collected with reference to proposed mine by EHS 360 Lab Private Limited.

3.1 ENVIRONMENT MONITORING ATTRIBUTES

Attribute	Parameters	Frequency of Monitoring	No. of Locations	Protocol
Land-use Land cover	Land-use Pattern within 10 km radius of the study area	Data from census handbook 2011 and from the satellite imagery	Study Area	Satellite Imagery Primary Survey
*Soil	Physio-Chemical Characteristics	Once during the study period	6 (1 core & 5 buffer zone)	IS 2720 Agriculture Handbook - Indian Council of Agriculture Research, New Delhi
*Water Quality	Physical, Chemical and Bacteriological Parameters	Once during the study period	6 (2 surface water & 4 ground water)	IS 10500& CPCB Standards
Meteorology	Wind Speed Wind Direction Temperature Cloud cover Dry bulb temperature Rainfall	1 Hourly Continuous Mechanical/Automatic Weather Station	1	Site specific primary data& Secondary Data from IMD Station
*Ambient Air Quality	PM10 PM2.5 SO2 NOX Fugitive Dust	24 hourly twice a week (Dec 2024 to Feb 2025)	7 (2 core & 5 buffer)	IS 5182 Part 1-23 National Ambient Air Quality Standards, CPCB
*Noise Levels	Ambient Noise	Hourly observation for 24 Hours per location	7 (2 core & 5 buffer zone)	IS 9989 As per CPCB Guidelines
Ecology	Existing Flora and Fauna	Through field visit during the study period	Study Area	Primary Survey by Quadrant & Transect Study Secondary Data – Forest Working Plan
Socio Economic Aspects	Socio-Economic Characteristics, Population Statistics and Existing Infrastructure in the study area	Site Visit & Census Handbook, 2011	Study Area	Primary Survey, census handbook & need based assessments.

Source: On-site monitoring/sampling by Global Lab and Consultancy Services in association with GEMS

* All monitoring and testing have been carried out as per the Guidelines of CPCB and MoEF & CC.

3.2 LAND ENVIRONMENT

S. No	CLASSIFICATION	AREA in HA	AREA in %
BUILTUP			
1	Builtup Urban	203.28	0.61
2	Builtup Rural	1055.01	3.16
3	Builtup Mining	153.43	0.46
AGRICULTURAL LAND			
4	Crop Land	23163.86	69.43
5	Fallow Land	501.39	1.50
6	Plantation	903.34	2.71
BARREN/WASTE LANDS			
8	Scrub Land	270.07	0.81

9	Salt Affected Area	218.15	0.65
FOREST			
10	Forest	91.17	0.27
WETLANDS/ WATER BODIES			
11	Waterbodies	7614.19	22.82
TOTAL		33363.19	100.00

Interpretation

From the above table, pie diagram and land use map it is inferred that the majority of the land in the study area is Agriculture includes crop land 73.64% followed by Built-up Lands – 3.77%, Scrub land – 0.81%, and Water bodies 22.82%.

The total mining area within the study area is 153.43 ha i.e., 0.46%. The cluster area of 31.72.48 ha contributes about 20.6% of the total mining area within the study area. This small percentage of Mining Activities shall not have any significant impact on the environment.

3.3 SOIL ENVIRONMENT

Physical Characteristics –

The physical properties of the soil samples were examined for texture, bulk density, porosity and water holding capacity. The soil texture found in the study area is Clay (29.1 % to 34.3%) to Sandy Loam Soil and Bulk Density of Soils in the study area varied between 1.01 -1.10 g/cm³. The Water Holding Capacity is found to be medium i.e., ranging from 45.4- 48.9%.

Chemical Characteristics –

- The nature of soil is slightly alkaline to strongly alkaline with pH range 8.06 to 8.76
- The available Nitrogen content range between 440.6 to 540 mg/kg
- The available Phosphorus content range between 3.10 to 7.05 mg/kg
- The available Potassium range between 30.2 to 61.6 mg/kg

Observation:

The pH of the Soil indicates that the soil is Neutral and arid region and ideal for plant growth.

3.4 WATER ENVIRONMENT

Surface Water

The pH varied from 7.29-7.39 while turbidity found within the standards (Optimal pH range for sustainable aquatic life is 6.5 to 8.5 pH).

Total Dissolved Solids:

Total Dissolved Solids varied from 453 to 510 mg/l, the TDS mainly composed of carbonates, bicarbonates, Chlorides, phosphates and nitrates of calcium, magnesium, sodium and other organic matter.

Other parameters:

Chloride content is 95 to 113mg/l. Nitrates varied from 8.03 to 11.2 mg/l, while sulphates varied from 52.54 to 63.45 mg/l.

Ground Water

The pH of the water samples collected ranged from 6.96 to 7.33 and within the acceptable limit of 6.5 to 8.5. pH, Sulphates and Chlorides of water samples from all the sources are within the limits as per the Standard. On Turbidity, the water samples meet the requirement. Total Dissolved Solids were found in the range of 428 to 540mg/l in all samples. Total hardness varied between 142.16 to 236.68 mg/l for all samples.

On Microbiological parameters, the water samples from all the locations meet the requirement. The parameters thus analysed were compared with IS 10500:2012 and are well within the prescribed limits.

3.5 AIR ENVIRONMENT

The baseline studies on air environment include identification of specific air pollution parameters and their existing levels in ambient air. The ambient air quality with respect to the study zone of 10 km radius around the proposed quarry forms the baseline information.

FIGURE – 5: WIND ROSE DIAGRAM

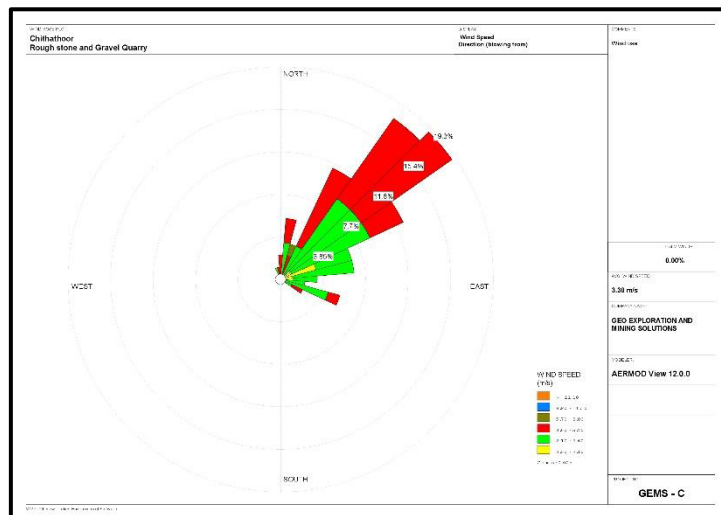
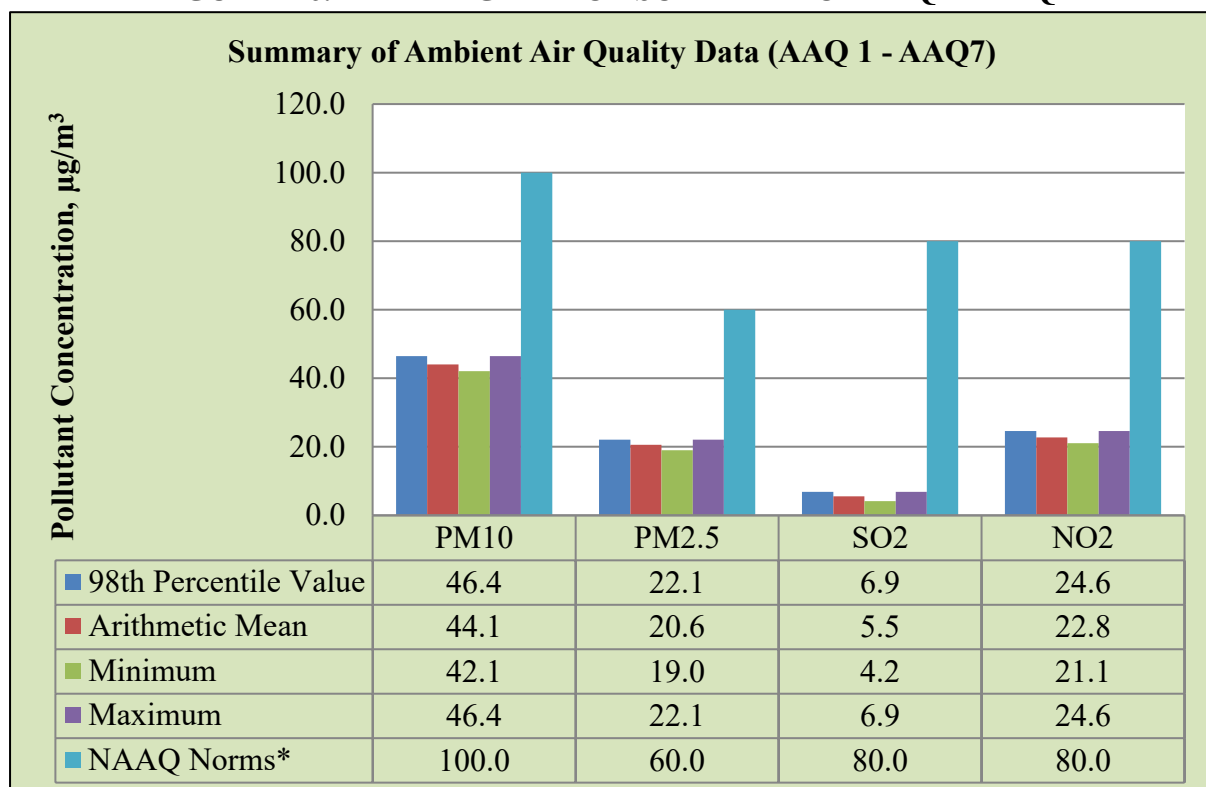


FIGURE – 6. BAR DIAGRAM OF SUMMARY OF AAQ1 – AAQ7



The results of ambient air quality monitoring for the period (Dec 2024 to Feb 2025) are presented in the report. Data has been compiled for three months.

Interpretations & Conclusion

As per monitoring data, PM₁₀ ranges from 42.5 µg/m³ to 45.2 µg/m³, PM_{2.5} data ranges from 19.3 µg/m³ to 21.0 µg/m³, SO₂ ranges from 4.7 µg/m³ to 6.0 µg/m³ and NO₂ data ranges from 21.8 µg/m³ to 23.1 µg/m³. The concentration levels of the above criteria pollutants were observed to be well within the limits of NAAQS prescribed by CPCB.

3.6 NOISE ENVIRONMENT

Ambient noise levels were measured at 7 (Seven) locations around the proposed project area. Noise levels recorded in core zone during day time were from 42.3-43.1 dB (A) Leq and during night time were from 35.9-36.5 dB (A) Leq. Noise levels recorded in buffer zone during day time were from 37.7 to 42.5 dB (A) Leq and during night time were from 36.4 to 37.8 dB (A) Leq. Thus, the noise level for Industrial and Residential area meets the requirements of CPCB.

Thus, the noise level for Industrial and Residential area meets the requirements of CPCB.

3.7 ECOLOGICAL ENVIRONMENT

The study involved in the collection of primary data by conducting a survey in the field, examination of floral and faunal records in previously published reports and records. Analysis of the information is the view of the possible alteration in the environment of the project site. For the survey of fauna, both direct and indirect observation methods were used.

There is no schedule I species of animals observed within study area as per Wildlife Protection Act 1972 as well as no species is in vulnerable, endangered or threatened category as per IUCN. There is no endangered red list species found in the study area. Hence this small operation over short period of time will not have any significant impact on the surrounding flora and fauna.

3.8 SOCIO ECONOMIC ENVIRONMENT

It includes demographic structure of the area, provision of basic amenities viz., housing, education, health and medical services, occupation, water supply, sanitation, communication, transportation, prevailing diseases pattern as well as feature like temples, historical monuments etc., at the baseline level. This will help in visualizing and predicting the possible impact depending upon the nature and magnitude of the project.

The socio-economic study of surveyed villages gives a clear picture of its population, average household size, literacy rate and sex ratio etc. It is also found that a part of population is suffering from lack of permanent job to run their day-to-day life. Their expectation is to earn some income for their sustainability on a long-term basis. The proposed projects will aim to provide preferential employment to the local people there by improving the employment opportunity in the area and in turn the social standards will improve.

4. ANTICIPATED ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

In order to maintain the environmental commensuration with the mining operation, it is essential to undertake studies on the existing environmental scenario and assess the impact on different environmental components. This would help in formulating suitable management plans sustainable resource extraction.

4.1 LAND ENVIRONMENT:

ANTICIPATED IMPACT

- Permanent or temporary change on land use and land cover.
- Change in Topography: Topography of the ML area will change at the end of the life of the mine.
- Movement of heavy vehicles sometimes cause problems to agricultural land, human habitations due to dust, noise and it also causes traffic hazards.
- Due to degradation of land by pitting the aesthetic environment of the core zone may be affected.
- Earthworks during the rainy season increase the potential for soil erosion and sediment laden water entering the water ways.

MITIGATION MEASURES

- The mining activity will be gradual confined in blocks and excavation will be undertaken progressively along with other mitigative measures like phase wise development of greenbelt etc.
- Construction of garland drains all around the quarry pits and construction of check dam at strategic location in lower elevations to prevent erosion due to surface runoff during rainfall and also to collect the storm water for various uses within the proposed area.
- Green belt development along the boundary within safety zone. The small quantity of water stored in the mined-out pit will be used for greenbelt.
- Thick plantation will be carried out on unutilized area, top benches of mined out pits, on safety barrier, etc.,
- At conceptual stage, the land use pattern of the quarry will be changed into Greenbelt area and temporary reservoir
- In terms of aesthetics, natural vegetation surrounding the quarry will be retained (such as in a buffer area i.e., 7.5 m safety barrier and other safety provided) so as to help minimise dust emissions.

4.2 WATER ENVIRONMENT

ANTICIPATED IMPACT

- The major sources of water pollution normally associated due to mining and allied operations are:
 - Generation of waste water from vehicle washing.
 - Washouts from surface exposure or working areas
 - Domestic sewage
 - Disturbance to drainage course in the project area
 - Mine Pit water discharge
- Increase in sediment load during monsoon in downstream of lease area
- This being a mining project, there will be no process effluent. Waste from washing of machinery may result in discharge of Oil & grease, suspended solids.
- The sewage from soak pit may percolate to the ground water table and contaminate it.
- Surface drainage may be affected due to Mining
- Abstraction of water may lead to depletion of water table.

MITIGATION MEASURES

- Water for the quarrying operation such as sprinkling on haul roads, Greenbelt development will be sourced from the lower part of the mine pit which is specifically allotted to collect the rain water.
- Garland drain, settling tank will be constructed along the proposed mining lease area. The Garland drain will be connected to settling tank and sediments will be trapped in the settling traps and only clear water will be discharged out to the natural drainage
- Rainwater will be collected in sump in the mining pits and will be allowed to store and pumped out to surface setting tank of 15 m x 10m x 3m to remove suspended solids if any. This collected water will be judiciously used for dust suppression and such sites where dust likely to be generated and for developing green belt. The proponent will collect and judiciously utilize the rainwater as part of rainwater harvesting system.
- Periodic (every 6 months once) analysis of quarry pit water and ground water quality in nearby villages.
- Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.
- Waste water discharge from mine will be treated in settling tanks before using for dust suppression and tree plantation purposes.
- De-silting will be carried out before and immediately after the monsoon season.

4.3 AIR ENVIRONMENT

ANTICIPATED IMPACT

- During mining, at various stages activities such as excavation, drilling, blasting, and transportation of materials, particular matter (PM), gases such as Sulphur dioxide, oxides of Nitrogen from vehicular exhaust are the main air pollutants.
- Emissions of noxious gases due to incomplete detonation of explosive may sometimes pollute the air.
- The fugitive dust released from the mining operations may cause effect on the mine workers who are directly exposed to the fugitive dust.
- Simultaneously, the air-borne dust may travel to longer distances and settle in the villages located near the mine lease area.

MITIGATION MEASURES

Drilling – To control dust at source, wet drilling will be practiced. Where there is a scarcity of water, suitably designed dust extractor will be provided for dry drilling along with dust hood at the mouth of the drill-hole collar.

Advantages of Wet Drilling:

- In this system dust gets suppressed close to its formation. Dust suppression become very effective and the work environment will be improved from the point of occupational comfort and health.
- Due to dust free atmosphere, the life of engine, compressor etc., will be increased.
- The life of drill bit will be increased.
- The rate of penetration of drill will be increased.
- Due to the dust free atmosphere visibility will be improved resulting in safer working conditions.

Blasting

- Establish time of blasting to suit the local conditions and water sprinkling on blasting face
- Avoid blasting i.e., when temperature inversion is likely to occur and strong wind blows towards residential areas
- Controlled blasting includes Adoption of suitable explosive charge and short delay detonators, adequate stemming of holes at collar zone and restricting blasting to a particular time of the day i.e., at the time lunch hours, controlled charge per hole as well as charge per round of hole
- Before loading of material water will be sprayed on blasted material
- Dust mask will be provided to the workers and their use will be strictly monitored

Haul Road & Transportation

- Water will be sprinkled on haul roads twice a day to avoid dust generation during transportation
- Transportation of material will be carried out during day time and material will be covered with tarpaulin
- The speed of tippers plying on the haul road will be limited below 20 km/hr to avoid generation of dust.
- Water sprinkling on haul roads & loading points will be carried out twice a day
- Main source of gaseous pollution will be from vehicle used for transportation of mineral; therefore, weekly maintenance of machines improves combustion process & makes reduction in the pollution.
- The un-metalled haul roads will be compacted weekly before being put into use.
- Over loading of tippers will be avoided to prevent spillage.
- It will be ensured that all transportation vehicles carry a valid PUC certificate
- Grading of haul roads and service roads to clear accumulation of loose materials.

Green Belt

- Planting of trees all along main mine haul roads and regular grading of haul roads will be practiced to prevent the generation of dust due to movement of dumpers/trucks
- Green belt of adequate width will be developed around the project areas

Occupational Health

- Dust mask will be provided to the workers and their use will be strictly monitored.
- Annual medical check-ups, trainings and campaigns will be arranged to ensure awareness about importance of wearing dust masks among all mine workers & tipper drivers.

- Ambient Air Quality Monitoring will be conducted six months once to assess effectiveness of mitigation measures proposed.

4.4 NOISE ENVIRONMENT

ANTICIPATED IMPACT

Noise pollution poses a major health risk to the mine workers. Following are the sources of noise in the existing open cast mine project are being observed such as Drilling, & Blasting, Loading and during movement of vehicles.

MITIGATION MEASURES

- Usage of sharp drill bits while drilling which will help in reducing noise;
- Secondary blasting will be totally avoided and hydraulic rock breaker will be used for breaking boulders;
- Controlled blasting with proper spacing, burden, stemming and optimum charge/delay will be maintained;
- The blasting will be carried out during favourable atmospheric condition and less human activity timings by using nonelectrical initiation system;
- Proper maintenance, oiling and greasing of machines will be done every week to reduce generation of noise;
- Provision of sound insulated chambers for the workers working on machines (HEMM) producing higher levels of noise;
- Silencers / mufflers will be installed in all machineries;
- Green Belt/Plantation will be developed around the project area and along the haul roads. The plantation minimizes propagation of noise;
- Personal Protective Equipment (PPE) like ear muffs/ear plugs will be provided to the operators of HEMM and persons working near HEMM and their use will be ensured through training and awareness.
- Regular medical check-up and proper training to personnel to create awareness about adverse noise level effects.

4.5 BIOLOGICAL ENVIRONMENT

ANTICIPATED IMPACT

There are no National Park and Archaeological monuments within project area. There are no migratory corridors, migratory avian-fauna, rare endemic and endangered species. There are no wild animals in the area. No breeding and nesting site were identified in project site. No National Park and Wildlife Sanctuary found within 10km radius. The dumps / bunds around the mine itself act as a good barrier for entry of stray animals. In the post mining stage, barbed wire fencing is proposed all around the mined-out void to prevent fall of animals in the mine pits.

MITIGATION MEASURES

To reduce the adverse effects on natural flora/fauna status of the area due to deposition of dust generated from mining operations, water sprinkling and water spraying systems will be ensured in all dust prone areas to arrest dust generation. Methodical and well-planned plantation scheme will be carried out.

4.5.1 GREENBELT DEVELOPMENT PLAN

Code	Year	No. of trees proposed to be planted	Area to be covered in m ²	Name of the species
P1	I	2180	The safety zone along the boundary barrier has been identified to be utilized for	Vembu, Pungan, Mahakani, Naval etc.,
P2	I	4000		

			Greenbelt development and along village roads.	
--	--	--	--	--

4.6 SOCIO ECONOMIC ENVIRONMENT

ANTICIPATED IMPACT

Employment generation due to the project will provide direct employment for about 76 persons.

MITIGATION MEASURES

- Good maintenance practices will be adopted for plant machinery and equipment, which will help to avert potential noise problems.
- Green belt will be developed in and around the project site as per Central Pollution Control Board (CPCB) guidelines.
- Appropriate air pollution control measure will be taken to minimize the environmental impact within the core zone.
- For the safety of workers, personal protective appliances like hand gloves, helmets, safety shoes, goggles, aprons, nose masks and ear protecting devices will be provided as per mines act and rules.
- Benefit to the State and the Central governments through financial revenues by way of royalty, tax, DMF, NMET etc, from this project directly and indirectly.

5. ANALYSIS OF ALTERNATIVES (TECHNOLOGY AND SITE)

The site has been selected based on geological investigation and exploration as below:

- Occurrence of minerals at the specific site.
- Transportation facility for materials & manpower.
- Overall impact on environment and mitigation feasibility
- Socio – economic background.

The mineral deposits are site specific in nature; hence question of seeking alternate site does not arise for this project.

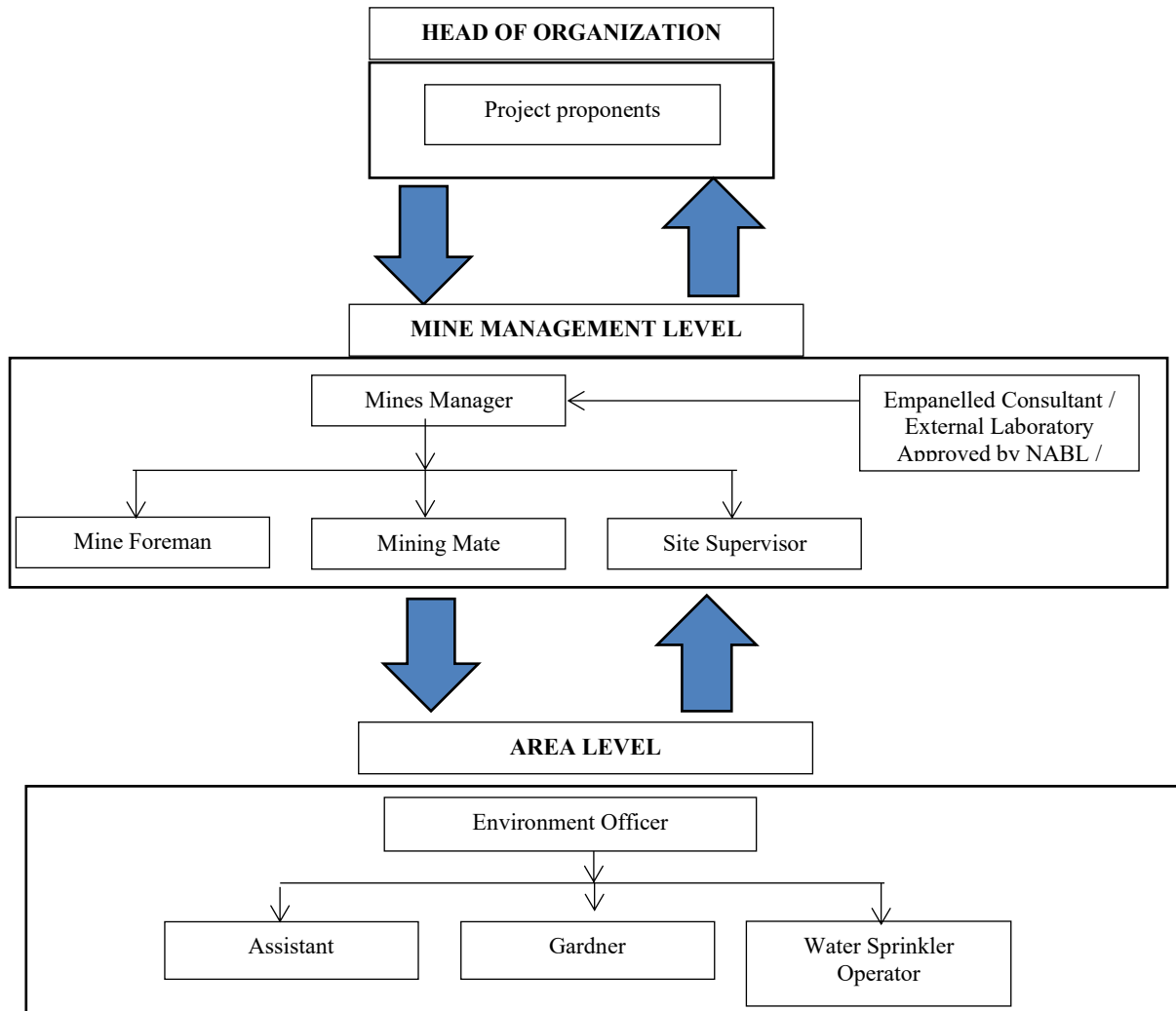
6. ENVIRONMENT MONITORING PROGRAM

Usually, an impact assessment study is carried over short period of time and the data cannot bring out all variations induced by natural or human activities. Hence regular monitoring program of Environmental parameters is essential to take into account the changes in the Environment.

The Objective of Monitoring -

- ✚ To check or assess the efficiency of the controlling measures;
- ✚ To establish a data base for future impact assessment studies.

6.1 PROPOSED ENVIRONMENTAL MONITORING CELL



6.2 POST ENVIRONMENTAL CLEARANCE MONITORING SCHEDULE

S.No.	Environment Attributes	Location	Monitoring		Parameters
			Duration	Frequency	
1	Air Quality	2 Locations (1 Core & 1 Buffer)	24 hours	Once in 6 months	Fugitive Dust, PM _{2.5} , PM ₁₀ , SO ₂ and NO _x .
2	Meteorology	At mine site before start of Air Quality Monitoring & IMD Secondary Data	Hourly / Daily	Continuous online monitoring	Wind speed, Wind direction, Temperature, Relative humidity and Rainfall
3	Water Quality Monitoring	2 Locations (1SW & 1 GW)	-	Once in 6 months	Parameters specified under IS:10500, 1993 & CPCB Norms
4	Hydrology	Water level in open wells in buffer zone around 1 km at specific wells	-	Once in 6 months	Depth in bgl
5	Noise	2 Locations (1 Core & 1 Buffer)	Hourly – 1 Day	Once in 6 months	Leq, Lmax, Lmin, Leq Day & Leq Night

6	Vibration	At the nearest habitation (in case of reporting)	–	During blasting Operation	Peak Particle Velocity
7	Soil	2 Locations (1 Core & 1 Buffer)	–	Once in six months	Physical and Chemical Characteristics
8	Greenbelt	Within the Project Area	Daily	Monthly	Maintenance

7. ADDITIONAL STUDIES

7.1 RISK ASSESSMENT

The methodology for the risk assessment has been based on the specific risk assessment guidance issued by the Directorate General of Mine Safety (DGMS), Dhanbad, vide Circular No.13 of 2002, dated 31st December, 2002. The DGMS risk assessment process is intended to identify existing and probable hazards in the work environment and all operations and assess the risk levels of those hazards in order to prioritize those that need immediate attention. Further, mechanisms responsible for these hazards are identified and their control measures, set to timetable are recorded along with pinpointed responsibilities.

The whole quarry operation will be carried out under the direction of a Qualified Competent Mine Manager holding certificate of competency to manage a metalliferous mine granted by the DGMS, Dhanbad. Risk Assessment is all about prevention of accidents and to take necessary steps to prevent it from happening.

7.2 DISASTER MANAGEMENT PLAN

The Disaster Management Plan is aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and salvage operations in this same order of priorities. The objective of the Disaster Management Plan is to make use of the combined resources of the mine and the outside services to achieve the following:

- ✚ Rescue and medical treatment of casualties;
- ✚ Safeguard other people;
- ✚ Minimize damage to property and the environment;
- ✚ Initially contain and ultimately bring the incident under control;
- ✚ Secure the safe rehabilitation of affected area; and
- ✚ Preserve relevant records and equipment for the subsequent inquiry into the cause and circumstances of the emergency.

7.3 CUMULATIVE IMPACT STUDY

CUMULATIVE PRODUCTION LOAD OF ROUGH STONE

Quarry	Production for five-year plan period	Per Year Production in m ³	Per Day Production in m ³	Number of Lorry Load Per Day
P1	4,25,830	85,166	284	24
P2	18,22,988	1,82,298	607	50
Total	22,48,818	2,67,464	891	74
E1	15,29,750	305950	1020	85
E2	1,12,790	22558	75	6
E3	2,51,750	50350	168	14
E4	2,62,924	52585	175	15
Total	21,57,214	4,31,443	1438	120
Grand Total	44,06,032	6,98,907	2,329	194

CUMULATIVE PRODUCTION LOAD OF GRAVEL

Quarry	Production for five-year plan period	Per Year Production in m ³	Per Day Production in m ³	Number of Lorry Load Per Day
P1	2,11,918	70,639	235	20
P2	1,27,828	42,609	142	11
Total	3,39,746	1,13,247	377	31
E1	90,320	30,107	100	8

E2	24,138	8,046	27	2
E3	1,06,908	35,636	119	10
E4	28,276	9,425	31	3
Total	2,49,642	83,214	277	23
Grand Total	5,89,388	1,96,461	654	54

8. PROJECT BENEFITS

The Proposed Project for Quarrying Rough Stone and Gravel at Chithathoor Village aims to produce 22,48,818 m³ Rough Stone over a period of 5 Years and 10 years. Gravel 3,39,746 m³ for period of 3 years and 9 Years This will enhance the socio-economic activities in the adjoining areas and will result in the following benefits.

- Increase in Employment Potential
- Improvement in Socio-Economic Welfare
- Improvement in Physical Infrastructure
- Improvement in Social infrastructure

9. ENVIRONMENT MANAGEMENT PLAN

The Environment Monitoring Cell formed by the mine management will ensure effective implementation of environment management plan and to ensure compliance of environmental statutory guidelines through Mine Management Level.

The said team will be responsible for:

- ✚ Monitoring of the water/ waste water quality, air quality and solid waste generated
- ✚ Analysis of the water and air samples collected through external laboratory
- ✚ Implementation and monitoring of the pollution control and protective measures/ devices which shall include financial estimation, ordering, installation of air pollution control equipment, waste water treatment plant, etc.
- ✚ Co-ordination of the environment related activities within the project as well as with outside agencies
- ✚ Collection of health statistics of the workers and population of the surrounding villages
- ✚ Green belt development
- ✚ Monitoring the progress of implementation of the environmental monitoring programme
- ✚ Compliance to statutory provisions, norms of State Pollution Control Board, Ministry of Environment and Forests and the conditions of the environmental clearance as well as the consents to establish and consents to operate.

10. CONCLUSION

It can be concluded from overall assessment of the impacts, in terms of positive and negative effects on various environmental components, that the mining activities will not have any adverse effect on the surrounding environment.

To mitigate any impacts due to the mining activities, a well-planned EMP and a detailed post project monitoring system is provided for regular monitoring and immediate rectification at site. Due to the cluster quarrying activities, socio economic conditions in and around the project site will be improved substantially. Hence, the Prior Environmental Clearance shall be granted at the earliest.

Annexure-1
Mining Approval Letter & 500m Letter (P1-K. Boobalan)

From

To

Thiru.A.Arumuganainar, M.Sc.,
Joint Director (A/c),
O/o. Assistant Director,
Geology and Mining,
Tiruvannamalai - 4.

Thiru.J.K.Boobalan,
S/o. Kannan,
No.782, Mariyamman Koil Street,
Jambodai Village,
Alividaithangi Post,
Vembakkam Taluk,
Tiruvannamalai District.

Rc.No.275/Kanimam/2024, dated:09.12.2024.

Sir,

Sub: Quarries and Minerals – Minor Mineral - Rough stone and Gravel - Tiruvannamalai District – Vembakkam Taluk – Chithathur village Patta Land in SF.Nos.222/4 (0.20.0), 223/1 (0.54.0), 223/2A (0.18.0), 223/2B (0.30.0), 227/13 (0.20.25), 227/2E5A1 (0.20.25), 227/2E5B (0.42.50), 227/2E7 (0.42.50), 228/4 (0.17.50), 228/5 (0.18.0), 228/6 (0.90.0), 228/7A (0.05.28), 228/9A (0.38.85) & 228/9B (0.19.65) over an extent of 4.36.78 hecsts., – Application preferred by **Thiru.J.K.Boobalan S/o. Kannan, - Precise area communicated – Submission of three copies of draft Mining Plan for approval** - Approval accorded - regarding.

- Ref: 1. Application from Thiru.J.K.Boobalan S/o. Kannan, Vembakkam Taluk, Tiruvannamalai District dated:27.08.2024.
2. Precise Area Communication Notice Rc.No.275/Kanimam/2024, dated 14.11.2024.
3. Mining Plan submitted by Thiru.J.K.Boobalan S/o. Kannan, Vembakkam Taluk, Tiruvannamalai District dated.04.12.2024.

Thiru.J.K.Boobalan S/o. Kannan, has preferred an application for the grant of Rough Stone and Gravel quarry lease over an extent of 4.36.78 hecsts., of Patta land in SF.Nos.222/4 (0.20.0), 223/1 (0.54.0), 223/2A (0.18.0), 223/2B (0.30.0), 227/13 (0.20.25), 227/2E5A1 (0.20.25), 227/2E5B (0.42.50), 227/2E7 (0.42.50), 228/4 (0.17.50), 228/5 (0.18.0), 228/6 (0.90.0), 228/7A (0.05.28), 228/9A (0.38.85) & 228/9B (0.19.65) of Chithathur Village,

Vembakkam Taluk, Tiruvannamalai District for a period of 5 years vide the reference 1st cited and the precise area has been communicated to the applicant vide the reference 2nd cited with a direction to submit the approved mining plan and Environmental Clearance.

2. As directed, the applicant has submitted three copies of mining plan for approval vide the reference 3rd cited. The Mining Plan has been verified in detail and found that it has been prepared in accordance with the guidelines / instructions issued by the Commissioner of Geology and Mining in letter RC. No. 3868 / LC / 2012 dated 19.11.2012.

i) The reserves estimated in the mining plan is

Depth in Mts.	82m (7m Gravel +75m Rough Stone)
Geological Resources	Rough Stone : 33,10,500 Gravel : 3,08,980
Mineable Reserve - as per Common mine boundary	Rough Stone : 12,75,280 Gravel : 2,51,930
Mineable Reserve After leaving safety and Benches	Rough Stone : 4,25,830 Gravel : 2,11,918

3. Therefore in exercise of the powers conferred under Rule 41(2) of Tamil Nadu Minor Mineral Concession Rules, 1959, the mining plan is hereby approved, subject to the following conditions:

- i. The applicant has submitted a mining plan with above mentioned mineable reserve without providing any benches; however, the plan does not incorporate the mandatory 7.5-meter safety distance from the adjacent quarry. **As stipulated under Section 111 of the Metalliferous Mines Regulations, 1961, the applicant is should obtain prior permission from the concerned department before the grant of the lease**
- ii. The mining plan is approved without prejudice to any other Law applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.
- iii. This approval of the mining plan does not in any way convey the approval of the Government in terms or any other provisions of the Mines and Minerals (Development and Regulation) Act,

1957, or any other connected laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 1981, Environment Protection Act, 1980, Explosives Act, 1884 (Central Act IV of 1884) Minor Mineral Concession and Development Rules, 2010 and the Rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.

- iv. The mining plan is approved without prejudice to any other order or direction from any court of competent jurisdiction.
- v. The validity of the mining plan is co-terminus with the lease period.
- vi. Quarrying shall be done in accordance with the approved Mining Plan.
- vii. If anything is found to be concealed in the contents of the mining plan which are required by the mines act or if any proposed for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect.
- viii. Based on the recommendation of the Assistant Engineer, Operation & Maintenance, Tamil Nadu Power Distribution Corporation (Vembakkam), a safety distance of 10m should be provided for the low-tension power line passing North to South side, situated west of SF.No.228/4 and 228/4.
- ix. The safety distance of 7.5m to the adjacent patta lands and 10m to the Government lands should be provided.
- x. No hindrance shall be caused to the adjacent lands and Public.
- xi. Barbed wire fencing should be constructed along the boundary of the area applied for quarry lease before commencement of quarry operation.
- xii. The quarry operation should be carried out by systematic and scientific manner.
- xiii. The quarry operation should be carried out with the certified Mine Manager, Foreman and Blaster.
- xiv. The applicant should inform to the Director of Mine Safety, Chennai before commencement of quarry operation vide opening notice. 📄
- xv. The applicant should follow the guidelines under Rules 36(1-A)(b) of Tamil Nadu Minor Mineral Concession Rules, 1959 for removing the Rocks.

4. Further, other quarries situated within 500m radial distance are as follows.

i) Existing Quarries

Sl. No.	Name of the Owner	Village & S.F. Nos.	Extent in Hect.	Lease Period	Remarks
1	Tvl.SRC Projects (P) Ltd.,III 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur village 210/1, 211, 212/1, 2, 3, 4, 5, 6, 7, 8, 9, 10,11,12,13,14, 15,16,17 & 18	8.06.5	10-11-2022 to 09-11-2027	Rough Stone quarry
2.	Tvl.SRC Projects (P) Ltd.,III 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur village 222/18,19, 20 & 21	1.97.0	14-09-2022 to 13-09-2027	
3.	Thiru.J.Venkatasan, S/o.Jayabalan, No.29/8, First Street, Vedachalam Nagar. Sevlimeedu, Kancheepuram	Chithathur village 221/4,5,6,7,12,13,1 4,15,19,20,21 & 22	2.42.0	29-11-2022 to 28-11-2032	
4.	Thiru.K.Boobalan S/o Kannan, No.782, Mariyamman Kovil st, Vembakkam Taluk, Tiruvannamalai District	Chithathur village 224/1,3,4,5,7, 227/2E1,2E2,2E3A, 2E3B,2E6,228/3 & 229/2	4.24.0	03-07-2023 to 02-07-2033	

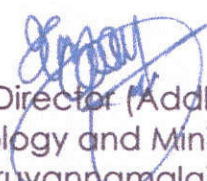
ii) Abandoned quarries

Sl. No.	Name of the Owner	Village & S.F. Nos.	Extent in Hect.	Lease Period	Remarks
1	Tvl.SRC Projects (P) Ltd., 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur Village 213/1, 213/2, 214/1, 214/2, 214/3, 215/1 215/2, 215/3, 215/4, 215/5, 215/6 & 222/17	4.71.5	14-12-2018 to 13-12-2023	Rough Stone Expired quarry
2	Tvl.SRC Projects (P) Ltd., 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Palli Village 40/1 (Part), 40/3 40/4, 40/5, 40/6, 42, 43/1A, 43/1B, 43/2, 43/3, 43/4A & 43/4B	4.75.5	21.07.2016 to 20.07.2021	

iii)Present Proposed Quarries

Sl. No	Name of the Owner	Village & S.F. Nos.	Extent in Hect.
1	Thiru.J.K.Boobalan, S/o. Kannan, No.782, Mariyamman Koil st, Jambodai Village, Alividaithangi Post, Vembakkam Taluk, Tiruvannamalai District.	Chithathur 222/4, 223/1, 223/2A, 223/2B, 227/13, 227/2E5A1, 227/2E5B, 227/2E7, 228/4, 228/5, 228/6, 228/7A, 228/9A & 228/9B	4.36.78

Encl: 2 Copies of Approved Mining Plan.


Joint Director (Addl. Ch.),
Geology and Mining,
Tiruvannamalai.

Copy submitted to:

1. The Chairman, SEIAA,
Tamil Nadu, 3rd Floor, Panagal Maaligai,
No.1, Jeenis Road, Saidapet, Chennai-15.
2. The Commissioner of Geology and Mining, Chennai-32.
3. The District Collector, Tiruvannamalai.


21/12/2017

Annexure-II
Mining Approval Letter & 500m Letter (P2-S.R.C. Projects)

From
Dr.S.Vediappan, M.Sc., Ph.D.,
Deputy Director,
Geology and Mining,
Tiruvannamalai - 4.

To
M/s.SRC Projects Private Limited,
No.4-B, Lakshmipuram,
Gandhi Road,
Salem District -07

Rc.No.86/Kanimam/2025, dated 07.04.2025.

Sir,

Sub: Quarries and Minerals – Minor Mineral - Rough stone and Gravel - Tiruvannamalai District – Vembakkam Taluk - Chithathoor Village Patta land SF.Nos. 208/3B2, 4A, 4B2, 230/2, 230/3 & etc., over an extent of 7.98.7 hecsts., – Application preferred by **M/s.SRC Projects Private Limited** - Precise area communicated – Submission of three copies of draft Mining Plan for approval - Approval accorded - regarding.

- Ref:**
1. Application from M/s.SRC Projects Private Limited, Salem dated 13.02.2025.
 2. Precise Area Communication Notice Rc.No.86/Kanimam/2025, dated 28.03.2025.
 3. Mining Plan submitted by M/s.SRC Projects Private Limited, Salem dated 04.04.2025.

M/s.SRC Projects Private Limited., Salem has preferred an application for the grant of Rough Stone and Gravel quarry lease over an extent of 7.98.7 hecsts., of Patta land in SF.Nos. 208/3B2 (0.29.20), 208/4A (0.52.00), 208/4B2 (0.50.0), 208/2H (0.66.50), 230/2 (0.24.50), 230/3 (0.26.50), 230/4 (0.24.50), 230/5 (0.24.50), 230/6 (0.23.50), 230/7 (0.25.0), 230/8 (0.25.0), 230/9 (0.25.0), 230/10A (0.11.50), 230/10B (0.13.0), 230/11 (0.17.50), 230/12A (0.10.0), 230/12B (0.11.50), 230/14A(Part) (0.21.50), 230/14B (0.10.50), 230/14C (0.04.50), 230/14D (0.10.0), 230/15 (0.09.50), 230/16A (0.07.50), 230/16B (0.13.50), 230/18 (0.22.50), 230/19 (0.18.50), 230/20 (0.24.50), 230/22C (0.05.50), 230/24 (0.20.50), 230/25 (0.16.0), 230/26 (0.13.0), 230/27 (0.18.0), 230/30 (0.19.50), 230/31 (0.21.0), 230/33 (0.14.0), 230/34 (0.21.50), 230/37 (0.10.0), 230/38 (0.10.50) & 230/39 (0.27.0) of Chithathoor Village, Vembakkam Taluk, Tiruvannamalai District for a period of 10 (Ten years)

vide the reference 1st cited and the precise area has been communicated to the applicant vide the reference 2nd cited with a direction to submit the approved mining plan and Environmental Clearance.

2. As directed, the applicant has submitted three copies of mining plan for approval vide the reference 3rd cited. The Mining Plan has been verified in detail and found that it has been prepared in accordance with the guidelines / instructions issued by the Commissioner of Geology and Mining in letter RC. No. 3868 / LC / 2012 dated 19.11.2012.

i) The reserves estimated in the mining plan is

Depth in Mts.	Geological Resources			Mineable Reserves		
	Mineral	in Cbm	in Tons	Mineral	in Cbm	in Tons
86m (2m Gravel + 84m Rough Stone)	Rough Stone	6709080	1,84,49,970	Rough Stone	18,22,988	50,13,217
	Gravel	159740	3,19,480	Gravel	1,27,828	2,55,656

ii) The recoverable reserves estimated for the 1st & 2nd Five years in the mining plan for quarrying Rough Stone and Gravel to a depth of 86m below ground level is as follows.

Years	Depth in Mts.	Mineable Reserves in Cu.m		
		Mineral	in Cbm	in Tons
1 st Five Year	86m (2m Gravel + 84m Rough Stone)	Rough Stone	9,00,641	24,76,763
		Gravel	64,320	1,28,640
2 nd Five Years		Rough Stone	9,22,347	25,36,454
		Gravel	63,508	1,27,016

3. Therefore in exercise of the powers conferred under Rule 41(2) of Tamil Nadu Minor Mineral Concession Rules, 1959, the mining plan is hereby approved, subject to the following conditions:-

- The mining plan is approved without prejudice to any other Law applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.

- ii. This approval of the mining plan does not in any way convey the approval of the Government in terms or any other provisions of the Mines and Minerals (Development and Regulation) Act, 1957, or any other connected laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 1981, Environment Protection Act, 1980, Explosives Act, 1884 (Central Act IV of 1884) Minor Mineral Concession and Development Rules, 2010 and the Rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.
- iii. The mining plan is approved without prejudice to any other order or direction from any court of competent jurisdiction.
- iv. The validity of the mining plan is co-terminus with the lease period.
- v. Quarrying shall be done in accordance with the approved Mining Plan.
- vi. If anything is found to be concealed in the contents of the mining plan which are required by the mines act or if any proposed for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect.
- vii. All the conditions stipulated in the precise area communication dated 28.03.2025 should be duly complied with.

4. Further, other quarries situated within 500m radial distance are as follows.

i) Existing Quarries

Sl. No.	Name of the Owner	Village & S.F. Nos.	Extent in Hects.	Lease Period	Remarks
1	SRC Projects (P) Ltd.,II 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur 222/18,19, 20,21	1.97.0	14-09-2022 to 13-09-2027	Existing Quarries
2	SRC Projects (P) Ltd.,II 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur 210/1, 211, 212/1, 2, 3, 4, 5, 6, 7, 8, 9, 10,11,12,13,14, 15,16,17,18	8.06.5	10-11-2022 to 09-11-2027	
3	J.Venkatasan, S/o.Jayabalan, No.29/8, First Street, Vedachalam Nagar. Sevlimesu, Kancheepuram	Chithathur 221/4,5,6,7,12,13 ,14,15,19,20,21, 22	2.42.0	29-11-2022 to 28-11-2032	

4	K.Boobalan S/o Kannan, No.782, Mariyamman Kovil Street, Vembakkam Taluk, Tiruvannamalai District	Chithathur 224/1,3,4,5,7, 227/2E1,2E2, 2E3A, 2E3B,2E6,228/3, 229/2	4.24.0	03-07-2023 to 02-07-2033	Existing Quarries
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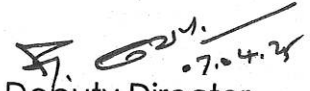
ii) Abandoned quarries

Sl. No.	Name of the Owner	Village & S.F. Nos.	Extent in Hects.	Lease Period	Remarks
1	SRC Projects, 4B Lakshmipuram, Gandhi road, Salem	Chithathur 212/1,212/8,22 2/6,222/16	8.75.5	24-01-2011 to 23-01-2016	Expired Quarry
2	J. Venkatesan 153-A/1, Pillaiyar Koil Street, Melapattu Village, Ramakrishnapuram	Chithathur 216/1 (0.51.0) 216/2 (0.67.0)	1.18.0	25-04-2012 to 24-04-2017	
3	J. Venkatesan 153-A/1, Pillaiyar Koil Street, Melapattu Vge., Ramakrishnapuram. Cheyyar Taluk.	Chithathur 217/1, 217/2, 217/4(Part), 217/5 (Part)	1.00.0	14-09-2017 to 13-09-2022	
4	Tvl.SRC Projects (P) Ltd., 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Palli 9/3B, 9/3C, 9/4, 9/5, 9/6, 9/7A, 9/7B, 9/9, 9/10A, 9/10B, 9/11, 9/12, 9/14, 9/15, 9/18, 9/20	4.75.5	21-07-2016 to 20-07-2021	
5	Tvl.SRC Projects (P) Ltd., 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur 213/1, 213/2 214/1, 214/2 214/3, 215/1 215/2, 215/3 215/4, 215/5 215/6, 222/17	4.71.5	14-12-2018 to 13-12-2023	

iii) Present Proposed Quarries

Sl. No	Name of the Owner	Village & S.F. Nos.	Extent in Hects.
1	SRC Projects (P) Ltd.,II 4-B, Lakshmipuram, Gandhi Road, Salem-636 007.	Chithathur 208/3B2, 208/4A, 208/4B2, 208/2H, 230/2, 230/3, 230/4, 230/5, 230/6, 230/7, 230/8, 230/9, 230/10A, 230/10B, 230/11, 230/12A, 230/12B, 230/14A(Part), 230/14B, 230/14C, 230/14D, 230/15, 230/16A, 230/16B, 230/18, 230/19, 230/20, 230/22C, 230/24, 230/25, 230/26, 230/27, 230/30, 230/31, 230/33, 230/34, 230/37, 230/38 & 230/39	7.98.7
2	M/s.Lion Mines, No.46/1 Poonamallee Byepass Road, Poonamallee, Chennai	Palli 9/3B,3C, 4, 5,6, 7A, 7B, 9, 10A, 10B, 11, 12, 14, 15,18, 20	2.67.5
3	Thiru.J.K.Boobalan S/o Kannan, No.782, Mariyamman Kovil Street, Vembakkam Taluk, Tiruvannamalai	Chithathur 222/4,223/1,2A,2B,227/13,2E5A1,2E5 B,2E7,228/4,5,6,7A,9A,9B	4.36.78

Encl: 2 Copies of Approved Mining Plan.


Deputy Director,
Geology and Mining,
Tiruvannamalai.

Copy submitted to:

1. The Chairman, SEIAA,
Tamil Nadu, 3rd Floor, Panagal Maaligai,
No.1, Jeenis Road, Saidapet, Chennai-15.
2. The Commissioner of Geology and Mining, Chennai-32.
3. The District Collector, Tiruvannamalai.


7/4/25