

MINING PLAN
&
PROGRESSIVE QUARRY CLOSURE PLAN
SUBMITTED UNDER RULE 55 & 58 OF KMMC RULES, 2015



FOR
GRANITE BUILDING STONE QUARRY
LEASE AREA: 2.1667 HECTARES
(CATEGORY 'B' / MECHANIZED / OPEN CAST / NON-FOREST / PRIVATE)

IN BLOCK NO. 41
RE-SY NOS: 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2, 328/2
CHADAYAMANGALAM VILLAGE
KOTTARAKKARA TALUK
KOLLAM DISTRICT
KERALA STATE

FOR
M/s SHAH QUARRY
THEKKUVILA MELATHIL VEEDU
KUDAVATTOOR P.O
KOTTARAKKARA KOLLAM-691 512
(REPRESENTED BY ITS MANAGING PARTNER,
SHAJI S)
MOBILE. NO: 9447 556 388

Approved
2/9/2024



PREPARED BY
V. K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Former IBM RQP /BNG/150/2000A
Life Member Quality Council of India
No. LM/67432020-01-30/2020-30
vkroysaral@gmail.com
9387 805 668 / 9961 125 000



CERTIFICATE



CERTIFICATE

This is to certify that the Mining Plan including Progressive Quarry Closure Plan of Granite Building Stone Quarry extent over an area of 2.1667 hectares situated in block no. 4I, re-survey nos. 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2 , 328/2 of Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala, prepared under Rule 55 & 58 of KMMCR 2015 by Mr. V. K. Roy, Geologist & RQP.

This is to request the Department of Mining and Geology, Kollam to make any further correspondence regarding any correction of the Mining Plan with the said Recognized Qualified Person at his address given below:

V. K. Roy
T.C-27/487(2), Saral
Swaraj Lane, R.C. Junction
Kunnukuzhy, Vanchiyoor - P.O
Thiruvanthapuram, PIN -695 035
e-mail: vkroysaral@gmail.com
Mobile: 9387 805 668 / 9961 125 000

I hereby undertake that all modifications / updating as made in the said Mining Plan by the said Recognized Qualified Person be deemed to have been made with my knowledge and consent and shall be acceptable to me and binding in all respects.

For M/s Shah Quarry

SHAJI S
Managing Partner

CERTIFICATE



It is certified that the Mining Plan including Progressive Quarry Closure Plan of Granite Building Stone Quarry extent over an area of 2.1667 hectares situated in block no. 4I, re-survey nos. 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2 , 328/2 of Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala State complies all statutory rules, regulations, orders made by the Central or State Government, Statutory Organizations, Court etc., which have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities. The Information furnished in the Progressive Mine Closure Plan is true and correct to the best my knowledge and records.

For M/s Shah Quarry

SHAJI S

Managing Partner

CERTIFICATE

The provisions of Mines Act, Rules and Regulations made there under have been observed in the Mining Plan of Granite Building Store Quarry extent over an area of 2.1667 hectares situated in block no. 4I, re-survey nos. 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2 , 328/2 of Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala State where specific permissions are required, the applicant will approach Director General of Mines Safety.



For M/s Shah Quarry

SHAJI S

Managing Partner

V. K. ROY
GEOLOGIST & RQP
REG.NO.DMG/KERALA/RQP/4/2016
FORMER IBM RQP: RQP/BNG/150/2000/A
LIFE MEMBER QUALITY COUNCIL OF INDIA
No. LM/67432020-01-30/2020-30

T.C -27/487(2), SARAL,
SWARAJ LANE, R.C.JUNCTION
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THIRUVANANTHAPURAM – 695 035
MOBILE: 9387805668/9961125000
E-MAIL: vkroysaral@gmail.com



CERTIFICATE

This is to certify that the provisions of KMMCR 2015 have been observed in the preparation of the Mining Plan of Granite Building Stone Quarry of M/s Shah Quarry (Represented by its Managing Partner, SHAJI S) extent over an area of 2.1667 hectares situated in block no. 4I, re-survey nos. 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2, 328/2 of Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala State, wherever the specific permissions are required, the applicant will approach the concerned authorities of Department of Mining and Geology. Whatever stated is true to the best of my knowledge, information and belief.


V. K. ROY
DMG/KERALA/RQP/4/2016

V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Fr. IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysaral@gmail.com
Contact no: 9387805668 / 9961125000



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M/s Shah Quarry

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2c	Copy of Environmental Clearance dated 16-07-2022
2d	Copy of Environmental Clearance dated 04-08-2022
3a-d	Copy of Tax Receipts
4	Copy of one and same certificate issued by village officer
5	Copy of Possession Certificate
6	Copy of Demarcation Certificate
7	Copy of Non Assignment Certificate
8	Copy of PAN Card of M/s Shah Quarry
9	Copy of Panchayat Licence
10	Copy of applicant affidavit
11	Copy of NGT affidavit
12	Copy of Income Tax Affidavit
13	Copy of Registration of Firm
14	Copy of Partnership Deed
15	Copy of consent from land owners
16	Copy of Consent to operate
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18	Copy of Aadhar Card of applicant
19	Copy of PAN Card of applicant
20	Copy of Certificate of RQP



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11	Drainage & OB Dump Management Plan
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13	Progressive Quarry Closure Plan
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TEXT



**MINING PLAN FOR THE GRANITE BUILDING STONE
QUARRY OF M/s SHAH QUARRY – SITE AT
CHADAYAMANGALAM VILLAGE, KOTTARAKKARA TALUK,
KOLLAM DISTRICT, KERALA STATE**

**CHAPTER – I
INTRODUCTION**

M/s Shah Quarry represented by its Managing Partner, Mr. SHAJI S obtained a Letter of Intent vide number 2581/M6/2023 dated 05-03-2024 (annexure I) issued by the Director of Mining & Geology, Thiruvananthapuram for the quarrying of Granite Building Stone in block no. 4I, re-survey nos. 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2 , 328/2 of Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala State over an area of 2.1667 hectares as shown in survey map no 291/2023 (plate no. 2B) issued by Chadayamangalam Village Officer and counter signed by Taluk Officer, Kottarakkara. The village officer Chadayamangalam had issued a certificate vide No. 376/23 dated 04-09-2023 (annexure 4) stating that survey no. 328/2-I and 328/2 are one and the same and similarly sy no 326/1-2 and 326 are same. Similarly sy no 326/1-I and sy no. 326/1 are also one and the same. This is mentioned to note the comparison between the survey nos mentioned in the EC order and the letter of intent.

The Environmental clearance for this area including the adjacent Govt. land (Sy No. 328/3) was obtained from SEIAA vide EC no. 83/2016 dt. 01-06-2016 read with File no. 752/SEIAA/KL/301/2015 dt. 16-07-2022. This EC was further revalidated for a period of 12 years from the date of issuance of original EC (01-06-2016).



The validity of NOC land expires in the year 2024. For this reason the lessee applied for the renewal of the balance area and obtained a Letter of Intent vide number 2581/M6/2023 dated 05-03-2024 .The earlier lease area was 3.4310 ha after deducting the government land the balance area is 2.1667 ha as mentioned in the Letter of Intent

This rock is not suitable for using as dimension stones as it is not suitable for cutting to predetermined sizes, polishing or carving and is not amenable for making value added products in decorative, monumental and ornamental fields of high value item as it is weathered and fractured. But this can be used as ordinary building stones, road metal, rubble of ballasts after breaking into irregular pieces by blasting and breaking or otherwise as low value item like rubble, aggregates or other building materials.

Now this mining plan is prepared and submitted for approval under Rule 55 of KMMCR 2015, as a pre-requisite for mining operation.

I. 0 GENERAL

a. Name and Address of the Lessee:

Name of the applicant	M/s Shah Quarry (Represented by its Managing Partner, SHAJI S)
Address	Thekkuvila Melathil Veedu Kudavattoor P.O Kottarakkara Kollam-691 512 Mobile. No: 9447 556 388
District	Kollam
State	Kerala
b) Status of the Applicant	Managing Partner
c) Mineral(s) which are occurring in the area and which the applicant / lessee intends to	Khondalite for Granite Building stone.

	mine	
d)	Period for which the quarry lease is granted / renewed / proposed to be applied	5 years
e)	Name of the RQP preparing the mining plan :	
	Name	V. K. Roy
	Address :	T.C-27/487(2), Saral Swaraj Lane, R.C. Junction Kunnukuzhy, Vanchiyoor -P.O Thiruvanthapuram-695 035
	Phone :	9387805668
	E- mail :	vkroysaral@gmail.com
	Registration No	DMG/KERALA/RQP/4/2016
	Valid up to	08/09/2026
f)	Name of Prospecting agency	No detailed prospecting done. Reconnaissance survey carried out by RQP
	(A copy of the RQP certificate is enclosed as annexure no. 20)	
g)	Reference No and date of consent letter from the state Government.	
	Letter of Intent number 2581/M6/2023 dated 05-03-2024 issued by the Director of Mining & Geology, Thiruvananthapuram.	
CHAPTER – 2		
2.0	Location and Accessibility	
a)	Details of area (with location map) The location plan and vicinity map is enclosed as plate no. 2.	
	District and State	Kollam District Kerala State
	Taluk	Kottarakkara
	Village	Chadayamangalam
	Re-Survey Nos	325/5, 325/2, 325/4, 326, 326/I, 326/2, 328/2-2 , 328/2
	Lease Area	2.1667 hectares
	Whether the area is recorded to be in forest	Non Forest





Ownership/ Occupancy	Owned by Shaji, Nisarudeen Possession Certificate no.362/2023 dated 10-08-2023 attached as annexure 5
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Existence of road, railway line, if any nearby approximate distance:

INFRASTRUCTURE	NAME & AERIAL DISTANCE
Nearest Built up structures	No built up structures within 50 m radius Own Building at a distance of 98.4 mtr from Lease Boundary Own Shed at a distance of 80.6 mtr from BP4 Own House (House no. 440) is at a distance of 162.8 m from BPI6 House of Aji (House no. 338) is at a distance of 206.3 m from BP4
Nearest National Highway	NH 66 (Panvel - Kanyakumari) – 13.60 km
Nearest State Highway	SH I (MC Road) – 490 mtr
Nearest Airport	Trivandrum International Airport – 41.00 km
Nearest Railway Station	Punalur – 18.80 km
Hospital	Government Hospital, Chadayamangalam – 2.00 km
Post office	Elempazhanoor – 2.12 km
School	Chadayamangalam Government Upper Primary School – 1.40 km
Police Station	Chadayamangalam – 1.89 km
Fire Station	Kadakkal – 5.77 km
Water	Open well I – 325 from BPI6 (58m AMSL) Water level: 10m below MSL (48m AMSL) Latitude: 8°51'25.29"N Longitude: 76°52'33.88"E



Location and Vicinity Map is enclosed as plate no.2.

The geographical co-ordinates of the area is appended below as illustrated in plate no.4

Table showing co-ordinates of the area

Boundary point	Latitude N	Longitude E
BP1	8°51'21.90"N	76°52'46.70"E
BP2	8°51'21.50"N	76°52'48.70"E
BP3	8°51'22.89"N	76°52'48.51"E
BP4	8°51'22.29"N	76°52'52.42"E
BP5	8°51'23.70"N	76°52'52.90"E
BP6	8°51'24.60"N	76°52'50.70"E
BP7	8°51'25.80"N	76°52'49.60"E
BP8	8°51'24.40"N	76°52'48.80"E
BP9	8°51'25.00"N	76°52'47.50"E
BP10	8°51'25.56"N	76°52'47.69"E
BP11	8°51'26.00"N	76°52'48.20"E
BP12	8°51'27.00"N	76°52'46.00"E
BP13	8°51'26.50"N	76°52'46.00"E
BP14	8°51'25.80"N	76°52'45.50"E
BP14A	8°51'25.83"N	76°52'45.68"E
BP14B	8°51'25.65"N	76°52'44.86"E
BP15	8°51'26.00"N	76°52'44.60"E
BP16	8°51'23.90"N	76°52'44.50"E



Fig: Photograph of the Boundary pillars showing GPS Co-ordinates

Boundary Pillar BP1



Boundary Pillar BP2



Boundary Pillar BP3



Boundary Pillar BP4



Boundary Pillar BP5



Boundary Pillar BP6



Boundary Pillar BP7



Boundary Pillar BP8



Boundary Pillar BP9





Boundary Pillar BPI0



Boundary Pillar BPI1



Boundary Pillar BPI2



Boundary Pillar BPI3



Boundary Pillar BPI4



Boundary Pillar BPI4A



Boundary Pillar BPI4B



Boundary Pillar BPI5



Boundary Pillar BPI6





b) The location of the quarry lease area is marked on the Key plan enclosed as plate no.1.
 The accessibility to the quarry area is shown on the location and vicinity map enclosed as plate no.2. The applied area super imposed in the Hazard Zonation Map is enclosed as plate no. 2A. Further the quarry area is also marked on the Google image (plate no.3). The survey map with GPS co-ordinates enclosed as plate no.4. The survey map no. 291/2023 issued by Chadayamangalam Village Officer and counter signed by Taluk Officer, Kottarakkara showing the area of the quarry is enclosed as plate no. 2B.

c) Land Use Pattern
 The area is non-forest, covered with rubber trees mixed with local vegetation with outcrop of granite at some places. A major portion of the area is partly mined out.

d) Project Cost

SL NO	DESCRIPTION	AMOUNT
1	Land cost a. Fair value of land per ares b. Proposed Area	Rs. 19800 /- 2.1667 ha (216.67 ares)
	TOTAL LAND COST	Rs 42,90,066/-
2	Machinery (own)	Rs 1,00,00,000/-
3	Infrastructure Development (Office Room, Toilet, Workers Rest House, Drinking water)	Rs 57,09,934 /-
4	Environment Monitoring	
	a. Environment Monitoring (Core and Buffer Zone) - Air Quality, Water Quality, Noise and Ground Vibration	Rs. 30,000 /-
	b. Air Pollution Control - Dust Collector, Water sprinkler, Polythene sheet	Rs. 4,00,000/-
	c. Water Pollution Control - Garland Drains, Water storage Tank, Waste Tank, Check Dams, Silt traps	Rs. 5,00,000/-
	d. Green Belt Development Including cost of afforestation - Saplings, Plant Guard including	Rs. 3,70,000/-

	cost of Landscaping	
	e. Solid Waste Management & Domestic Effluent management – Dumping Yard retaining wall, Sewage Treatment	Rs. 6,00,000/-
	f. Occupational Health and Safety - Helmet, Mask, Hand Gloves, Mining Safety Shoes	Rs. 2,00,000 /-
	g. Reclamation/Rehabilitation of Mined out Area - Saplings ,Plant Guard including cost of Landscaping	Rs. 4,00,000 /-
	TOTAL PROJECT COST	Rs. 2,25,00,000 /-



PART-A
GEOLOGY AND EXPLORATION
Chapter – 3



3. GEOLOGY & EXPLORATION

i. Topography

The area is a part of a hillock and has got an undulating terrain. The highest elevation of the lease area is 145m AMSL on the north-west direction and lowest is 84 m AMSL inside the pit on the south direction. The general slope of the area is from north-south direction. The major drainage of the lease area is towards south direction and through natural drainage in a dendritic pattern joins Ittikara River. No habitants are located in the lease area or within a radius of 50m.

ii. Regional Geology

The district can be broadly divided into three geological provinces – the western most Quaternary alluvial deposits followed by narrow N-S zone of late Tertiary sediments and the easternmost Precambrian metamorphic.

The Precambrian metamorphic are represented by Khondalite, Charnockite and Migmatitic groups. They are intruded by younger basic dykes and overlain by Tertiary and Quaternary sediments.

iii. Local / Mine Geology

Main rock type in the lease area is Garnateferrous Biotite Gneiss of the Khondalite suite. There are rock outcrops in lease area and the remaining area is covered with a layer of topsoil with a thickness of 2m. The major portion of the area is partly mined out and the the mining face of this quarry clearly reveals the presence of khondalite.

Figure: Photograph of the old mining face inside the lease area with adjacent mined out Govt. land presently utilized as sedimentation pond and rainwater harvesting pit

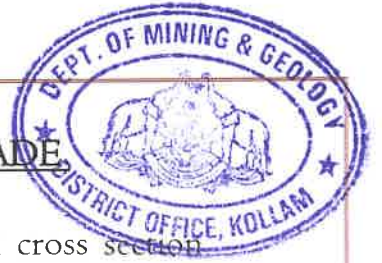


b. The surface geological Plan of the area prepared in I:1000 scale is enclosed as plate no.5. This is prepared on the base of the topographic plan.

c. The surface geological cross sections showing influence length is enclosed as plate no. 6 and other geological cross sections (I:1000 scale)

d. Year wise future program of exploration

The lease area is an exposed rocky area with partly mined out area which clearly reveals the presence of rock without ambiguity and hence further exploration is not proposed.



e. GEOLOGICAL & RECOVERABLE RESERVES & GRADE

Methods of Estimation of Reserves

The estimation of reserves is made by conventional parallel cross section method using geological cross sections. Geological Cross sections are prepared at regular intervals across the strike of the ore body. The area of individual litho units is calculated separately. The volume between the cross section is arrived on the basis of the average area of parallel cross section using CAD software and multiplying by sectional interval. And tonnage is arrived at by multiplying by bulk density, which is 2.5 MT/cum. for granite building stone and 2.0 MT/cum for weathered rock and soil.

EARLIER MINED OUT AREA AND QUANTITY

Please refer the survey map no. 291/2023 (Plate 2B) of the village officer counter signed by the Tahasildar Kottarakkara vide no. B5-5602/17 dated 16-08-2023 where in it is mentioned that a total quantity of 118974 m³ (2,97,435 MT) GBS was already quarried from this area. The District Geologist, Department of mining and geology kollam has already certified that there are no dues pending in this lease area. The lessee had already submitted the final quarry closure plan for the previous lease area of 3.4310 ha of land and the same has already achieved deemed approved status.

The present reserve calculation does not include the earlier mined out quantity of 2,97,435 MT GBS

Geological Reserves and Mineable Reserves

RESERVE SUMMARY	
** Mineable Reserves	3,75,185 MT
Blocked Reserves (In Benches)	2,84,830 MT
Blocked Reserves (In Buffer)	1,49,205 MT
Geological Reserves	8,09,220 MT



Note: The Topsoil and overburden calculation is not included in the Mineable Reserves calculation of GBS.

MINEABLE RESERVES						
SECTION LINE	LEVEL (MSL)	CROSS SECTIONAL AREA (sq.m)	INFLUENCE LENGTH (m)	VOLUME (cu.m)	BULK DENSITY	TONNAGE (MT)
SECTION AA'						
A-A'	I37-I35	12	45	540	2.5	1350
A-A'	I35-I30	60	45	2700	2.5	6750
A-A'	I30-I25	88	45	3960	2.5	9900
A-A'	I25-I20	160	45	7200	2.5	18000
A-A'	I20-I15	158	45	7110	2.5	17775
A-A'	I15-I10	134	40	5360	2.5	13400
A-A'	I10-I05	112	35	3920	2.5	9800
A-A'	I05-I00	91	30	2730	2.5	6825
A-A'	I00-95	156	25	3900	2.5	9750
A-A'	95-90	156	20	3120	2.5	7800
SECTION BB'						
B-B'	I05-I00	106	56	5936	2.5	14840
B-B'	I00-95	178	56	9968	2.5	24920
B-B'	95-90	334	56	18704	2.5	46760
B-B'	90-85	282	56	15792	2.5	39480
B-B'	85-80	232	56	12992	2.5	32480
B-B'	80-75	182	56	10192	2.5	25480
SECTION CC'						
C-C'	I10-I05	54	100	5400	2.5	13500
C-C'	I05-I00	70	90	6300	2.5	15750
C-C'	I00-95	70	80	5600	2.5	14000
C-C'	95-90	51	70	3570	2.5	8925
C-C'	90-85	32	60	1920	2.5	4800
C-C'	85-80	164	50	8200	2.5	20500
C-C'	80-75	124	40	4960	2.5	12400
TOTAL						375185



BLOCKED RESERVE						
SECTION LINE	LEVEL (MSL)	CROSS SECTIONAL AREA (sq.m)	INFLUENCE LENGTH (m)	VOLUME (cu.m)	BULK DENSITY	TONNAGE (MT)
IN BUFFER						
A-A'	140-90	362	35	12670	2.5	31675
B-B'	110-75	407	56	22792	2.5	56980
C-C'	110-75	346	70	24220	2.5	60550
TI	TOTAL	1115		59682		149205
IN BENCHES						
A-A'	135-90	1312	35	45920	2.5	114800
B-B'	120-70	527	56	29512	2.5	73780
C-C'	105-75	550	70	38500	2.5	96250
T2	TOTAL	2389		113932		284830
TOTAL						434035

GEOLOGICAL RESERVES (C)

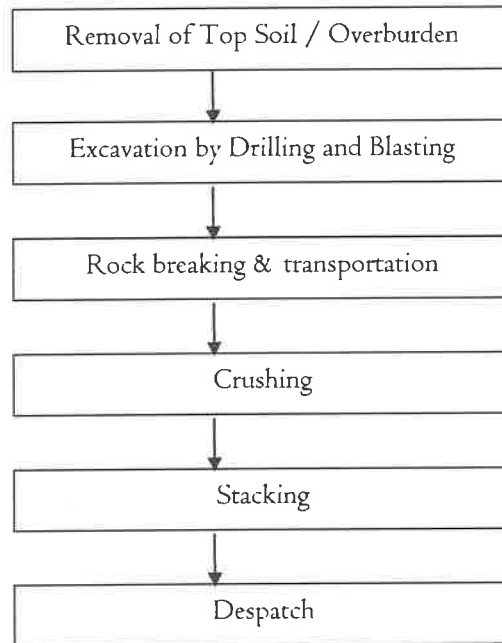
A	+	B
375185		434035
GRAND TOTAL		8,09,220 MT

TOP SOIL/ OVER BURDEN				
SURFACE AREA (sq.m)	AVERAGE DEPTH (m)	VOLUME (cu.m)	BULK DENSITY	QUANTITY (MT)
3524	2	7048	2	14096

4. MINING

a. Opencast Mining

Flow chart:-The proposed mining operations will be carried out by open cast mechanized method. The process flow diagram given below depicts the mining process:-



The said area is proposed to be worked with mechanized opencast method with bench system. Based on the mode and method so adopted and taking into consideration the geological parameters of the ore body the quarry pit will have a design that the height of the bench is kept about 5.0 m and the width is also kept at 5.0 m maintaining 45° pit slopes.

i) Drilling and Blasting

Granite is compact rock, at places it is fractured also. The broad blasting parameters are determined for the blasting pattern and blast design.

ii) Excavation and Transportation

Subsequent to the drilling and blasting, the material so dislodged/ fragmented / loosened will be crushed or broken with the help of rock breakers. Thereafter the material will be loaded in trucks / tippers of 16/20 MT capacities with the help of hydraulic excavators.



b. Quantum of development and tonnage and grade of production expected is detailed below:

YEAR WISE PRODUCTION								
YEAR	SECTION LINE	LEVEL (MSL)	CROSS SECTIONAL AREA (sq.m)	INFLUENCE LENGTH (m)	VOLUME (cu.m)	BULK DENSITY	QUANTITY (MT)	TOTAL (MT)
I	A-A'	I37-I35	12	45	540	2.5	1350	75050 Round off 75000
	A-A'	I35-I30	60	45	2700	2.5	6750	
	A-A'	I30-I25	88	45	3960	2.5	9900	
	A-A'	I25-I20	160	45	7200	2.5	18000	
	A-A'	I20-I15	158	45	7110	2.5	17775	
	A-A'	I15-I10	134	40	5360	2.5	13400	
	A-A'	I10-I05	90	35	3150	2.5	7875	
II	A-A'	I10-I05	22	35	770	2.5	1925	75050 Round off 75000
	C-C'	I10-I05	54	100	5400	2.5	13500	
	A-A'	I05-I00	91	30	2730	2.5	6825	
	B-B'	I05-I00	106	56	5936	2.5	14840	
	C-C'	I05-I00	70	90	6300	2.5	15750	
	A-A'	I00-95	156	25	3900	2.5	9750	
	B-B'	I00-95	89	56	4984	2.5	12460	
III	B-B'	I00-95	89	56	4984	2.5	12460	75000
	C-C'	I00-95	70	80	5600	2.5	14000	
	A-A'	95-90	156	20	3120	2.5	7800	
	B-B'	95-90	291	56	16296	2.5	40740	
IV	B-B'	95-90	43	56	2408	2.5	6020	75045 Round off 75000
	C-C'	95-90	51	70	3570	2.5	8925	
	B-B'	90-85	282	56	15792	2.5	39480	
	C-C'	90-85	32	60	1920	2.5	4800	
	B-B'	85-80	113	56	6328	2.5	15820	
V	B-B'	85-80	119	56	6664	2.5	16660	75040 Round off 75000
	C-C'	85-80	164	50	8200	2.5	20500	
	B-B'	80-75	182	56	10192	2.5	25480	
	C-C'	80-75	124	40	4960	2.5	12400	
TOTAL								375185



c. Individual year wise plans and sections

The Year wise development & production plan enclosed as plate no. 7.

d. The year wise development & production sections are shown in plate no. 8.

e. Proposed rate of production when the mine is fully developed and expected life of the mine and the year from which effected

The average proposed production per annum as shown in table above is around 75,000 MT for five years and the expected life of mine is 5 years.

SUMMARY OF YEAR WISE PRODUCTION	
YEAR	ROUND OFF QUANTITY (MT)
1	75000
2	75000
3	75000
4	75000
5	75000
TOTAL	3,75,000

f. Conceptual mining plan up to the life of mine based on the geological, mining and environmental consideration.

The conceptual mining plan up to the life of mine based on the geological, mining and environmental consideration is prepared and enclosed as plate no. 9 and the corresponding sections are illustrated in plate no. 10. The ultimate pit level above MSL is 75m as shown in the conceptual mining plan and sections.



For any Mine/ quarry, preparation of Conceptual Plan amounts to foreseeing in totality and planning for quarrying and related activities though out its life span, till such time all the usable mineral/ ores are exhausted to the economical limits and lease area is reclaimed to the extent possible. The norms laid down by the Government agencies including concerned Environment Impact Assessment Authorities from time to time do play important roles.

Therefore, preparation of ideal conceptual mine/ quarry plan for any quarry or a mine is difficult and such plan prepared, remains acceptable only under given circumstances. It cannot be overlooked that, any such plan undergoes amendments and revisions in the course of progressive stages of exploitation.

Considering the geological parameters and socio – environmental conditions and with respect to the existing rules and regulations, the mine lay out and working will be planned in such a manner to give maximum care to minimize the adverse impact of mining on the surrounding environment.

g. Open Cast Mines

The quarry is proposed to be worked with mechanized opencast method with bench system. Based on the mode and method so adopted and taking into consideration the geological parameters of the ore body the quarry pit will have a design that the height of the bench is kept about 5.0 m and the width is also kept at 5.0 m, maintaining 45° pit slopes.

i. Salient features of the mode of working

The mine will be operated by mechanized method and will be worked in benches. Maintenance of roadways and dust suppression by water spraying will be carried out by manual means. The following machineries are proposed for mining.

Sl.	Machine Type	Required No.	Size/Capacity
-----	--------------	--------------	---------------

No		of M/c	
1.	Excavator	3	120 HP
2.	Rock Breaker	3	120 HP
3.	Compressor	4	50 HP
4.	Tippers/Trucks	10	16/20 MT
5.	Jack hammer	10	32 mm



ii. Layout of mine workings and faces and sites of disposal of overburden.

Layout of working of year-wise development & production plans are shown in plate no.7 and the corresponding sections are shown in plate no. 8.

There are three existing overburden dumps on the north and south side of the lease area as shown in plate no. 11. The Over Burden liberated will be stacked along with the existing over burden no 3.

5. BLASTING

a) Granite is compact rock, at places it is fractured also. Production from the fractured zone will be obtained with the help of excavator whereas from compact zone, the production will be obtained by drilling and blasting. Drilling will be done by Jack Hammer with the help of air compressor.

- Hole location will be properly dressed by excavator to remove the loose boulders for efficient drilling and for avoiding jamming of drilling hammer and bits.
- Drill holes of 32mm diameter and 1.5 m in depth will be made.
- To reduce the noise level the holes will be blasted by using nitrate mixture and millisecond delay detonators.
- To maintain the bench height of 5 m, sub-bench of 2.5m will be formed first, later on two benches will be merged and one bench of 5 m will be formed and maintained.
- The spacing and burden will be kept at 1.0m.
- About 30 to 50 holes will be blasted in one blast.
- Yield per hole will be $1.5 \times 1 \times 1 = 1.5 \text{ m}^3$



Blasting Pattern:

The blasting pattern entirely depends on the situation of the joints present in the rocks. The drilling is done as per the requirement of the rock fragmentation with desired production of mineral.

Precaution during blasting:

No explosives other than those provided by the company, the agent or manager shall be used in the mines and the explosives shall not be taken inside any building except magazine approved by the licensing authority under the Indian Explosive Act 1884. Cases and containers for carrying explosives shall be of substantial construction and securely locked as required under MMR 157. Containers of steel or iron shall be galvanized and not more than 5Kg explosives shall be carried in one case or container. The manager shall fix maximum number of shots that a blaster may fire in one shift and should not exceed 80 in case of electrical firing or 50 in case of firing with igniter codes as fixed under MMR (160). Shot firing tools conforming to MMR 161 will be used and provisions under 162 on drilling, charging, stemming and firing of shot holes shall also complied with.

As static charge can be generated and stored on bodies of persons wearing synthetic fiber clothes and / socks and such potential may go up to 60000 volts during dry months, especially on a cold day in a dry climate, blasters / shot fires and their helpers should not wear such clothes while on duty. They will be provided only non-conducting type of shoes or boots eg. Leather sole footwear as prescribed under (cir. Tech I/1985). Chapter XV on Explosives and Shot firing ie MMR 153 to 169 shall be enforced and followed in the quarry.

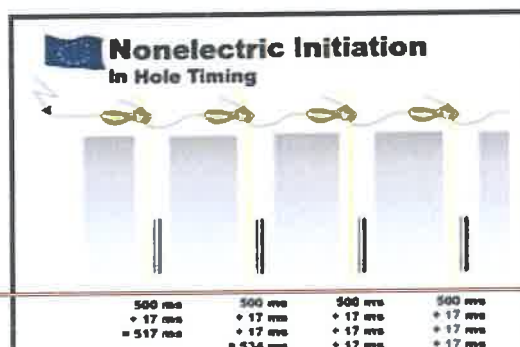
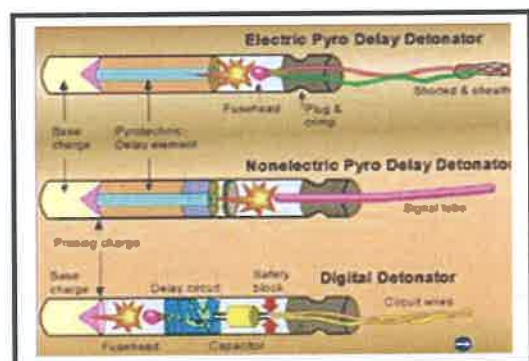
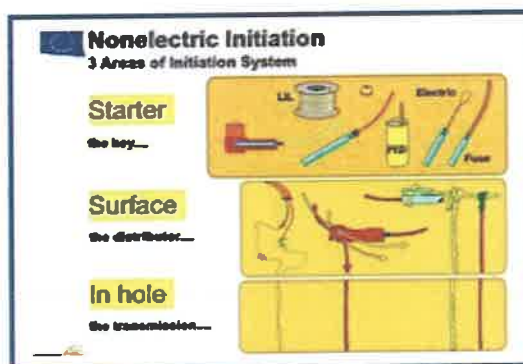


NONEL INITIATION FOR ECO-FRIENDLY BLASTING

NONEL is a shock tube detonator designed to initiate explosions, generally for the purpose of blasting of rock in mines and quarries. Instead of electric wires, a hollow plastic tube delivers the firing impulse to the detonator, making it immune to most of the hazards associated with stray electric current. It consists of a small diameter, three-layer plastic tube coated on the innermost wall with a reactive explosive compound, which, when ignited, propagates a low energy signal, similar to a dust explosion. The reaction travels at approximately 6,500 ft/s (2,000 m/s) along the length of the tubing with minimal disturbance outside of the tube.

The Advantages of NONEL

1. Reduced Noise
2. Fly rock and
3. Vibration.
4. It is very safe to use in rainy season because it is Non-Electric Detonator
5. And it is ecofriendly method of blasting
6. NONEL blasting method will also give good fragmentation.





c) Safety precautions to be adopted

- Blasting in the open cast pit will be done only during day time at designated hours
- Only competent blasters will be appointed to handle explosives.
- Explosives will be stored in approved and licensed magazine as per Explosive Act / Rules.
- Explosives will be brought from magazine to blasting site in licensed Explosive Van under the care of blaster.
- Sufficient warning signals will be given before blasting the holes.
- Guards will be posted on all roads and paths at least 250m distance to stop entrance to the danger zone during blasting hours.
- Controlled blasting will be practiced to control vibration and flying fragments.
- Optimum charge will be used, while blasting near office complex / infrastructure site.
- Maximum charge per day will always be less than 10 kg to limit the PPV levels within the DGNS standards of 15mm/sec.

d) Brief Description on method of procurement and storage of Explosives:

- Proper and safe storage of explosives in approved and licensed Magazine.
- Proper, safe and careful handling and use of explosives by the competent blaster having Blaster's certificate of competency issued by DGMs.
- Proper security system to prevent theft / pilferage, unauthorized entry into magazine area and checking authorized persons to prevent carrying of match box, lights and mobile phones, cigarette or beedi etc.
- The explosives of class 2 will be used in their original cartridge packing and such cartridge shall not be cut to remove explosive for making cartridge of different size.
- Detonators will be conveyed in special containers. These will not be carried with other explosives.

- The holes which have been charged with explosives will not be carried with other explosives
- The holes which have been charged with explosives will not be left unattended till blasting is completed.
- Before starting charging, clear audible warning signals by whistles will be given so that people nearby can take shelter.
- Blasting operations will be carried out in day times only.



e) Storage of explosive

A 150kg magazine is proposed for storing the explosive. Controlled blasting is proposed by adopting all the safety measures as per “MMR 1961” and with the permission of DGMS. Blasting will be performed as per requirement on the mining face.

Vibration control

Vibration caused due to blasting will be controlled by the following steps:

- Blast holes will always be initiated by short delay detonators, rather than adopting instantaneous detonating. Short delay in blasting of successive blast holes will effectively reduce the vibration problem.
- Number of holes per shot and blast will be kept to minimum, to guide the throw in the desired direction while keeping vibration and noise to minimum.
- Multiple blasting and “V” pattern of firing will be adopted to minimize forwards throw and have a good rock pile.
- Mostly, holes will be fired towards the free face.
- Blasting shall not be permit within 100m of surface structure.
- Peak particle velocity at a distance of 100 m from the shot hole, shall not exceed 10mm/sec.
- The flying fragments shall be controlled by muffled blasting and will not project beyond the distance of 300m.
- Proper spacing and burden will be maintained.

- Optimum utilization of the explosives will be ensured.
- Electric delay detonator will be used
- Deck charging will be practices for required fragmentation



Noise Control

Noise Control will be achieved by following the measures:

1. Shooting of well-designed 5 numbers of blast holes/ shot holes for 5 holes is planned daily which will produce less noise momentarily.
2. Detonating fuse will not be used.
3. Blasts will be planned properly to eliminate noise.
4. No plaster shooting will be taken up, as this is the main reason of noise pollution.

Fly Rock Hazard Control

1. Stemming length will be kept not less than the burden
2. It will be ensured that the burden will not be excessive
3. Inter row delay will be selected in such a manner so that each row pushes its burden in a forward direction rather than in an upward direction.

Each blasting operation will be unique in nature, involving different surface coatings, blast material quantity and working conditions. Before beginning of drilling and blasting operations, the lessee will identify the hazards from the knowledgeable person who had worked in masonry stone mining and being trained to recognize the hazards as well as to inform the authority for quickly corrective action to eliminate such hazards. The lessee will use engineering and administrative control measures, personal protective equipment's (PPE) including respiratory protection and training to protect workers involved in drilling and blasting activities. Engineering control measures such as substitution, isolation, containment and ventilation which are the primary means of preventing or reducing exposures to airborne hazards during drilling and blasting operations have to be implemented by the lessee. Administrative control

measures including the use of good work and personal hygiene practices will also reduce exposure to health hazards.



Engineering Controls

1. Substitution

- Use of proper blasting material
- Use of water soluble (Slurry) explosives to reduce dust.

2. Isolation and Containment

- Use of barriers and curtain walls to isolate the blasting operation from other workers
- Use blast rooms or portable blast shelter for smaller operations
- Use restricted areas for non – enclosed blasting operations
- Keep c- workers away from the blaster.

Administrative Controls

Perform routine cleanup using wet methods

- Not to use compressed air to clean the working site as this will create dust in the air.
- Clean and decontaminate the equipment's on the worksite.
- Schedule blasting when the least number of workers are at the site.
- Avoid blasting in windy conditions to prevent the spread of hazardous materials.

Medical Control

Medical control measures will be taken for the miners with a view to protect their health. The medical officers will visit the mine site once in a month and shall undertake the following need based functions.

- Pre- employment health examination of all miners
- Emergency medical care
- Health Education and Training
- Provide necessary medical and occupational health facilities



Statutory Control

For ensuring compliance of the statutory requirements and to maintain the desirable standard for the mine, all the places will be under the control of qualified Mines Manager assistance by number of qualified Assistant Mines Managers, designated as Safety Officer and Welfare Officer and frontline supervisors like mine foreman, mining mate, blaster/shot –firer, surveyors etc to look after the safety, health, sanitation and welfare of the work persons. They all will operate in the mine and ensure proper supervision and control in all the activities of mining to avoid any untoward incidents causing injury or harm or health hazards to workforce.

Personal Hygiene Practices

- Prohibit eating, drinking or using tobacco products during drilling and blasting
- Provide wash stations separately for the workers to wash their hands and face routinely before eating and drinking
- Remove contaminated work clothes before eating and drinking
- Provide separate accommodations and storage facilities for protective clothing and equipment.

Respiratory Protection

The driller and blaster will have respirator with the wearer's head, neck and shoulders to protect the wearer from dust and splinters. If necessary, a certified and approved blasting airline respirator with positive pressure blasting helmet will be provided.

Personal Protective Equipment

1. Hearing protection
2. Eye and Face protection
3. Helmet for head protection



4. Leather gloves to protect full forearm and aprons or coveralls
5. Safety shoes or boots to protect legs
6. Provide training to drillers and blasters and support personnel on drilling and blasting, health and safety hazards, how to use controls, personnel hygiene practices, safe work practices and the use of respirators.

6 MINE DRAINAGE

a. Likely depth of water table based on observations in the adjacent pit in the Govt. land on the south east side is about 80m below the ground level from the top of the hillock. The water table observed in the nearby wells occurring at a depth of 9-10m below the original ground level is perched water table that occurs above the regional water table and will get dried up during summer season.

The rain water falling inside the mining area will flow towards the down slope and reaches the adjacent mined out pit in the government land. This water will be subjected to sedimentation and the clear water will be allowed to flow to the natural stream on the eastern side as illustrated in the photograph below

Photograph showing clarifier pond inside the mining area





Fig: Photograph showing the confluence of clear water from the quarry joining the nearby stream



- b. Workings are not expected to be below the regional water table during the course of mining.

7. STACKING OF MINERAL REJECTS AND DISPOSAL OF WASTE

The overburden in the area consists of topsoil and weathered rock thickness of 2m. The quantity of topsoil and weathered rock rejects likely to be generated during the course of mining are detailed below:



TOP SOIL/ OVER BURDEN				
SURFACE AREA (sq.m)	DEPTH (m)	VOLUME (cu.m)	BULK DENSITY	QUANTITY (MT)
3524	2	7048	2	14096

b. Land chosen for disposal of waste with justification

There are three existing overburden dumps on the north and south side of the lease area as shown in plate no. II. The Over Burden liberated will be stacked along with the existing over burden no 3

8. USE OF MINERAL

The Granite building stone produced from the quarry will be mainly sold as rubble and will be utilized locally for road (state highway and national highway), village roads construction work, domestic building construction etc. A part of the rubble will be sold to local metal crusher units.



9. OTHERS

a. Site Services and Employment Potential

The lessee will provide site office, rest shelter, first aid station, etc near the lease area and this will be established before the commencement of quarrying operation.

b. Employment Potential

The mining operation is being carried out by hydraulic excavator after controlled blasting and size reduction by rock breakers and transported by tippers. Only very limited employment opportunities will arise for dewatering at mines and for wetting the roadways for dust suppression. The following employment is proposed.

Name of post	Nos.
Direct Employment -	
Mines Manager having First-class Certificate of competency	1
Mine Foreman	1
Mine Mate	1
Mine Blaster	3
Semi-skilled	10
Unskilled	15
Indirect Employment (contract basis)	
Excavator Operator & rock breaker operator	4
Tipper drivers	12

10. MINERAL PROCESSING

There is no mineral processing unit inside or near the leasehold area.

PART – B

CHAPTER II - ENVIRONMENTAL MANAGEMENT PLAN



I. Environment Management Plan is a systematic programme which includes Environment Impact assessment, planning for minimizing the negative effects of developmental performance and collection of base line information which serve as a guide to determine how the future development will affect the environment compared to the present base line status.

(a) Base Line Information

Most of the useful base line information has been collected in the field. The applicant proposed to conduct three months detailed Environment Impact Assessment study and based on the results Environment Management Plan and mitigation measures will be identified based on the study conducted by Accredited Consultant Organization as per the terms of reference laid down by State Environment Impact Assessment Authority. Preliminary baseline information is discussed below:

(i) Existing Land Use Pattern

Land use pattern as on date, plan period and conceptual period are given in the table below:

Sl. No	Existing Land Use Pattern	
1	Area partly mined out	1.2724
2	Rock Exposed area	0.1053
3	Infrastructure – roads, Buildings	0.0100
4	Buffer area	0.4401
5	Undisturbed Area covered with vegetation	0.3389
TOTAL		2.1667 Ha



(ii) WATER REGIME:

Natural water courses do not exist in the allotted area.

(a) Surface water –

There is no surface water body inside the lease area and hence there will be no effect on surface water due to mining activities. There is a stream passing through the south east side of the proposed project area at a distance of about 70m from lease boundary.

(b) Ground Water -

The water table observed in the nearby wells occurring at a depth of 9-10m below the original ground level is perched water table that occurs above the regional water table and will get dried up during summer season.

(iii) Flora & Fauna

The proposed area is dominant with Rubber plantation. Most of the trees are already felled for quarrying activity

There is no demarcated / protected forest falling within 5 km periphery of the allotted area. Similarly, no wildlife in & around the allotted area is observed and reported.

(iv) Climatic Condition

The district receives an annual average rainfall of about 2428 mm. The Southwest monsoon from June to September contributes nearly 55% of the total annual rainfall. The Northeast monsoon season from October to December contributes about 24% and the balance 21% is received during the month of January to May as pre-monsoon showers. Out of the total 119 rainy days, about 70 rainy days occur during the southwest monsoon season.

(v) Human Settlement

No built up structures within 50 m radius

Own Building at a distance of 98.4 mtr from Lease Boundary

Own Shed at a distance of 80.6 mtr from BP4

Own House (House no. 440) is at a distance of 162.8 m from BP16

House of Aji (House no. 338) is at a distance of 206.3 m from BP4



As per the statutes, mining activities will have to be away from 50m from any human settlements and the actual excavation is allowed only after leaving 7.5m statutory boundary from the lease boundary. Human settlements do not have any direct bearing on the mining activity.

(vi) Public Building, Places and Monuments

No such buildings, places of importance and monuments exist inside lease area.

(vii) Quality Of Air & Water

Quality of Air

The quality of air in the proposed area is fresh & respirable.

Quality of Water

The area is a hilly terrain forming natural water sheds. The rain water flows down to these water sheds and forms natural watercourses outside the proposed area. The quality of water available is potable.

(viii) The area is not within the domain of notified area under water act 1974.



(b) Environment Management Plan

Anticipated Environmental Impact & Proposed Mitigation Measures

The Environment Management Plan (EMP) is required to ensure sustainable development in the quarry area and buffer zone area. The proposed mitigating measures are required for meeting the prevailing statutory requirements of gaseous emissions, water discharge characteristics, noise levels etc for environmental management purpose in connection with the quarrying & quarrying related activities in the leasehold area.

For attaining the desired objective of good environmental quality in the area, several management strategies in different phases are proposed and evaluated.

- ❖ Planned improvements including additional control measures
- ❖ Fugitive dust reduction on roads
- ❖ Measures to alleviate problems affecting villages near Quarrying area.
- ❖ Planning for the progressive closure of the quarry
- ❖ This section discusses the management plan for mitigation/abatement impacts and enhancement of beneficial impacts due to quarrying. The Environmental Management Plan (EMP) has been designed within the framework of various Indian legislative and regulatory requirements on environmental and socio-economic aspects.

Anticipated Environmental Impact & Proposed Mitigation Measures



I AIR QUALITY MANAGEMENT

a) Quarrying:

Anticipated Impact:

Quarrying operations and associated activities is potentially air polluting and the major air pollutants are suspended air particulate matter. The air pollution problems are mainly due to fugitive dust emission.

Mitigation Measures:

- ✦ Dust suppression systems (water spraying) would be adopted at mine working & loading points.
- ✦ Maintenance of haul roads, service roads from time to time and removal of the accumulated dust materials.
- ✦ Drills shall be equipped with dust extractors to reduce dust generation.
- ✦ Wetting the face prior to blasting.
- ✦ The blasting shall be carried out during day hours, it shall be avoided during strong wind and temperature inversion condition.
- ✦ Excavation operations shall be suspended during very strong wind condition.
- ❖ Speed control on vehicle movement to limit speed.
- ❖ Wind reduction control by plantation. Trees and shrubs will be grown along the permanent haul roads, green belt area/safety barrier area along the periphery of the quarry.
- ✦ Plantation of wide leaf trees, creepers and tall grass along approach roads, and around hillock will help in to suppress the dust.
- ✦ All workers shall be provided with personal protective devises Eg. Dust Mask.
- ❖ Air quality shall be regularly monitored both in the core zone and buffer zone.



b) **HAULAGE**

- ❖ Regular water spraying on haulage roads during granite transportation by water sprinklers.
- ❖ Prevent spillage of materials on the paved surfaces during materials transportation.
- ❖ Granite building stone/aggregate carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere.

2. **Occupational Health & Safety Measure**

All the above precautions would be adopted to prevent dust generation at site and to be dispersed in the outside environment. However, for the safety of workers at site, engaged at strategic locations/dust generation points like loading and unloading points, dust masks would be provided. Dust masks would prevent inhalation of RPM thereby reducing the risk of lung diseases and other respiratory diseases. All employees shall be medically examined as per the mines Act 1952 and shall undergo Spirometry, Pulse oxymetry, and lungs function test etc. The statutory norms shall be followed during the course of quarrying to ensure the proper health & safety of workers. Apart from this there is no other factor envisaged during the quarrying operations.

NOISE

Anticipated Impact

Noise level increases in quarries due to excavation, drilling, blasting, handling & transportation of granite building stone and operation of processing equipment.

Mitigation Measures

Identification of mitigation measures for noise abatement including noise barriers for point sources and line sources are undertaken and measures to minimize the impact is proposed.



Acoustic enclosures, hoods, laggings and screens shall be provided in noise generating areas to the extent possible so that the sound pressure levels in working areas are restricted below 80 dB (A). This shall be regulated before engaging the equipment or purchase of the same.

Provision of rotation of workers to minimize exposure time as well as provision of earmuffs to workers exposed to high noise areas is also envisaged. In addition to it, green belt development shall be undertaken around the lease area to minimize propagation of noise.

Use of sharp drilling bits, delivery of compressed air at optimal pressure and proper maintenance of compressor, drilling machine, jackhammers and tipper trucks.

The equipment's and machines shall be maintained properly. Particular attention should be given to the silencers and mufflers. Ear muffs or other protective devices should be provided to the staff working in high noise prone areas.

Limiting the speed of empty haulage vehicles / tippers to a moderate level to prevent undue noise.

Regular monitoring of noise pressure level shall be done inside and outside the mine lease area.

3 WATER RESOURCES:

Water Consumption

Anticipated Impact

The mining and associated activities many times use lot of water which likely to affect hydrological regime of the water. Lowering of water table may result in reduced ground water availability. The surface water / ground water inflow into the mine gets polluted when it comes in contact with mining related pollutants.

The overall daily requirement of water for this mining project is just 15 KL/D per day as given below.

Drinking and domestic	- 3 KL/D
Afforestation	- 6 KL/D (during non-raining days)
Dust Suppression	- 6 KL/D (during non-raining days)
Total	- 15 KL/D



Ground water will not be encountered during the quarrying & there shall not be any discharge of water from quarrying to the adjacent area. Hence there shall not be any impact on water quality. The water for drinking purpose will be met from open well near the leasehold area. For other purpose water will be drawn from nearby quarry pits.

MITIGATION MEASURES

The following mitigation measures are suggested for water management and water pollution control.

1. The proposed mining operations are much above the ground water table. Therefore, these mining operations on hill top may not have any adverse impact on either the yield or movement of ground water.
2. Garland drains shall be constructed all along the periphery of the quarry. The garland drain shall be routed through silt settling pit to remove suspended soils and the treated water and the surplus treated water shall be discharged to natural water course.
3. Settling pits and drains shall be periodically de-silted.
4. Providing sufficient gully checks and check dam to check any silt flowing along with the surface run-off in the valleys.

4 LAND ENVIRONMENT

Core Zone (50 M from the lease boundary)

Anticipated Impact

The biggest impact of mining sector is on land. If the land use pattern in core area consist of forest/agriculture land the impact on

biodiversity would be significant. Similarly if land is occupied by human habitation, their displacement would be a significant issue.

Mitigation Measures:

The core zone area is completely private area. It is not a forest/agriculture land and there is no human habitation. Most of the area covered with rock formations over which thin vegetation exists. The core zone is partly disturbed to a very small extent due to mining, which are worked in the past.



Ultimate Land use

Sl. No	Ultimate Land use pattern	
1	Area completely excavated	1.7266Ha*
2	Undisturbed area (buffer zone)	0.4401 Ha
TOTAL		2.1667 Ha

* Out of the mined out area around 0.8558 Ha will be backfilled and reclaimed with afforestation. Around 0.3755 Ha of land from the mined area will be utilized as a rain water harvesting pit. Remaining area of 0.4053 hectares will be retained as benches around the rain water harvesting pit.

5. MINE WASTE MANAGEMENT

Anticipated Impact

Removal of ore from earth generates waste such as soil, debris, over burden etc. The bigger the scale of mining, greater is the quantum of waste generation. The anticipated impact includes runoff from over burden, top soil and other stock piles.

Mitigation Measures

About 14096 MT of top soil/ over burden is expected to be generated till the conceptual stage of this quarry. The top soil and

weathered rock shall be used for afforestation/green belt development/safety barrier development.



Garland drains shall be constructed all along the periphery of the quarry. The water from garland drain shall be routed through silt settling pits to remove suspended soils and the treated water and the surplus treated water shall be discharged to natural water course.

If required, sufficient Gully checks and Check dam shall be constructed along the water course to arrest any flow of silt.

Use of good root bearing and hardy local shall be planted in the contour trenches at closer intervals.

A greenbelt shall be developed in the 7.5m safety barrier area by planting the local plants.

6 RECLAMATION OF LAND

Abandoned pits will be utilized for water storage during rainy season. This water will be utilized for irrigation and plantation. It will also help in recharging the ground water. Finally the abandoned quarry will be utilized as a good water reservoir with its adjacent areas beautifully afforested with native trees. The outer boundaries will be properly fenced.

Plantation Programme

The year wise programme of eco-restoration for the life of mine, trees will be planted more than 5 times the trees felled. Biological reclamation /ecological restoration for the mine area by plantation of the species as per the time schedule. Selection of species is based on high dust capturing, soil holding capacity etc. In rocky areas where soil cover is less trees with shallow roots will be planted.

The year wise programme of eco-restoration for the life of mine, about 525 trees will be planted. Biological reclamation / ecological restoration for the

mine area by plantation of the species as per the time schedule. Selection of species is based on high dust capturing, soil holding capacity etc.

Plantation Programme

- i. Plantation along the buffer zone of the lease area is proposed, this will help to improve the environment and ecology.
- ii. Plantation will be done around offices, road side and fencing boundary etc.

Species to be Planted and Post Planting Care

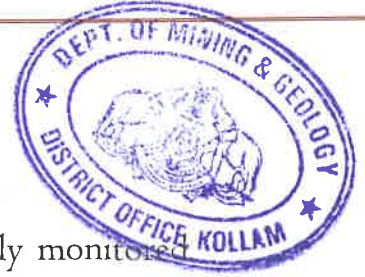
Year	* Plantation	
	Inside leasehold	Outside leasehold
01	Nil	75
02	Nil	75
03	50	75
04	50	75
05	50	75
Total	150	375



* Selection of species is based on high dust capturing, soil holding capacity, ground water recharge capacity etc..

By proper watering manuring and nursing survival rate of almost 80% will be ensured. Weeding will be done monthly for two months and later on once in six months. Irrigation fortnightly from October – March will be done and proper fencing will be done for protection from grazing cattle.

Other massive plantation efforts shall be decided and executed with the assistance and co-operation of the local forest department to benefit the community and to reduce the effects of fugitive emissions and noise pollution.



7 OCCUPATIONAL HEALTH ENVIRONMENTS

The health status of workers in the mine shall be regularly monitored under an occupational surveillance programme. Under this programme, all the employees' shall be subjected to a detailed medical examination at the time of employment. The medical histories of all the employees shall be maintained in a standard format. Thereafter, the employees shall undergo medical examination on annual bases. The examinations are proposed to be conducted in specialized area are given in the table below.

Sl.No.	Disease	Tests to be conducted
1	Heart Disease	Electro Cardio Gram (ECG) blood for lipid profile, stress test, Echo and other tests as required.
2	Lung Disease	Total count (WBC) Differential count, sputum examination, x-ray chest, culture & sensitivity (COS)
3	Asthma	Differential count ESR, x-ray chest, lung function tests and sputum examination provoke test if required
4	Diabetes	Random blood sugar, urine sugar if positive BSL fasting/PP diabetic profile.
5	Hypertension	BP reading, if required renal profile + ECG and stress test.
6	Abdomen pain	Routine urine for albumin, sugar bile salts + bile pigments stool examination, liver function test (serum, biliribic etc) as per requirement

The tests conducted and the results will be recorded in the database of medical history of the employees. These medical histories over a period will show if there is any occupation related deterioration in the employee's health.

8. HUMAN SETTLEMENTS

There is no human settlement within a radius of 50m from the lease boundary.

No built up structures within 50 m radius

Own Building at a distance of 98.4 mtr from Lease Boundary

Own Shed at a distance of 80.6 mtr from BP4

Own House (House no. 440) is at a distance of 162.8 m from BP16

House of Aji (House no. 338) is at a distance of 206.3 m from BP4



9. SOCIO-ECONOMIC BENEFITS

Spurt in industrialization and mining activities have invariably brought a drastic change in the environment including the society connected with region. Mostly remote areas tucked away from urbanization and influence of modern civilization fall within the limits of mine development. A natural corollary to this is the socio economic aspects of the local inhabitants who have dwellings in this region for generations, get suddenly and probably a radical change, consequent to their abrupt exposure to the mining activities.

The impact of this mining project will be positive. The subject-mining project provides employment for about 30 persons and also creates in the service sector for 60 numbers of persons will be indirectly employed in the other allied activities. Thus a population of about 90 persons can sustain their lively hood on this project. Majority of the work force shall be local people coming from and within the district.

The local people will get employment opportunities, better medical and educational facilities etc., mainly due to the mining operation from this project. In addition to this the literacy rate and better living standards shall increase due to the enhanced earning capacity of villagers. This area will also have better Medical, Educational, Transportation and

communication facilities, which are also directly, linked with the establishment of the mining project.

In the village, this project will be one of the major economic activities resulting in generation of revenues to the state and central governments, by way of royalties, taxes, etc., and the living condition of the persons shall improve, thus contributing to the overall up gradation of living standards.

The socio-economic parameters of the area undergo change due to:

- ❖ Changes in the employment pattern of the area.
- ❖ Changes in the pattern of facilities available, both in respect of the infrastructure facilities as well as other services.
- ❖ Improvements in money supply in the area through better earning capacity of population.
- ❖ The mining activity will help in improvement of the economic status of the people around the mine area.



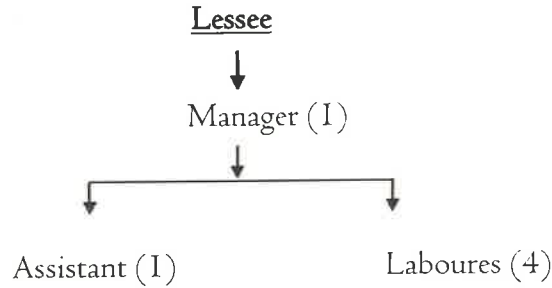
10. PROPOSED DEVELOPMENTAL ACTIVITIES AS PART OF CORPORATE ENVIRONMENT RESPONSIBILITY

The lessee will identify suitable project proposals in consultation with the stakeholders as stipulated in the OM No.22-65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF & CC.

11. ENVIRONMENTAL MANAGEMENT CELL

The general maintenance department should do general and preventive maintenance.

Following shall be the proposed environmental organization chart for this quarry. Quarry Manager shall be in charge of the cell and one assistant and 4 labours will be associated for maintenance.



12. BUDGET PROVISION FOR EMP

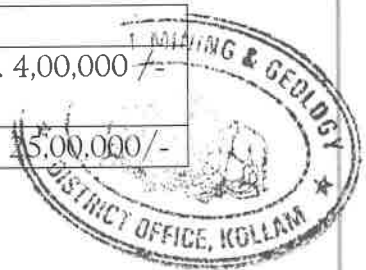
It is necessary to include the environmental cost as a part of the budgetary cost component.

The lessee for execution of Environment Management Plan has made adequate budgetary provision. Annual cost of monitoring and implementation of control measures is given below. This cost is also included in the calculation of the total project cost.

Cost for Environmental Protection ENVIRONMENT MONITORING

Sl.No	Activity	Amount
1	Environment Monitoring (Core and Buffer Zone) - Air Quality, Water Quality, Noise and Ground Vibration	Rs. 30,000 /-
2	Air Pollution Control - Dust Collector, Water sprinkler, Polythene sheet	Rs. 4,00,000/-
3	Water Pollution Control - Garland Drains, Water storage Tank, Waste Tank, Check Dams, Silt traps	Rs. 5,00,000/-
4	Green Belt Development Including cost of afforestation - Saplings, Plant Guard including cost of Landscaping	Rs. 3,70,000/-
5	Solid Waste Management & Domestic Effluent management - Dumping Yard retaining wall, Sewage Treatment	Rs. 6,00,000/-
9	Occupational Health and Safety - Helmet, Mask,	Rs. 2,00,000 /-

	Hand Gloves, Mining Safety Shoes	
10	Reclamation/Rehabilitation of Mined out Area - Saplings ,Plant Guard including cost of Landscaping	Rs. 4,00,000/-
	TOTAL COST OF EMP	Rs. 5,00,000/-



13. CONCLUSION

This new project will meet the development needs of the state with minimal negative influence on the environment. It can be summarized that the development of the proposed quarry shall have a positive impact on the socio-economics of the area and lead to overall sustainable development of the region.

PART – C
PROGRESSIVE QUARRY CLOSURE PLAN

I.	Introduction:	
(a)	Name and address of the lessee :	M/S Shah Quarry Thekkuvila Melathil Veedu Kudavattoor P.O Kottarakkara Kollam-691 512 (Represented By Its Managing Partner, Shaji S) Mobile. No: 9447 556 388
(b)	Location of the lease area :	
	District and State	Kollam District Kerala State
	Taluk	Kottarakkara
	Village	Chadayamangalam
	Re-Survey Nos	325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2 , 328/2
	Lease Area	2.1667 hectares
(c)	Extent of Lease Area	
	Type of Land:	Private Land
	Lease area in Ha	2.1667 hectares
(d)	Present Land Use Pattern	Described in chapter I
(e)	Method of Mining	Described in chapter 3
(f)	Mineral Processing Operation:	Mineral Processing is not proposed in the lease area.
I.1	Reasons for Closure: The progressive mine closure will be undertaken in a phased manner in the area where progressive closure can be adopted. Once the quarry reaches ultimate pit limit, the final mine closure will be discussed.	
I.2	Statutory Obligations: The progressive quarry closure plan is prepared in compliance of Rule	



	58 of KMMCR 2015. So statutory obligation for closure of mine is not applicable at present.	
I.3	Closure Plan preparation:	
	Name and Address of the Applicant	M/S Shah Quarry Thekkuvila Melathil Veedu Kudavattoor P.O Kottarakkara Kollam-691 512 (Represented By Its Managing Partner, Shaji S) Mobile. No: 9447 556 388
	Name of RQP:	V. K. Roy T.C-27/487(2), Saral Swaraj Lane, R. C. Junction Kunnukuzhy, Vanchiyoor - P.O Thiruvananthapuram -695 035, Kerala.
	Reg No:	DMG/KERALA/RQP/4/2016
	Valid up to:	08/09/2026
	Phone No:	9387 805 668 / 9961 125 000
	E-mail :	vkroysaral@gmail.com
2	Mine Description:	
2.1	<u>Topography</u>	The area is a part of a hillock and has got an undulating terrain. The highest elevation of the lease area is 145m AMSL on the north- west direction and lowest is 84 m AMSL inside the pit on the south direction. The general slope of the area is from north-south direction. The major drainage of the lease area is towards south direction and through natural drainage in a dendritic pattern joins Ittikara River. No habitants are located in the lease area or within a radius of 50m.
2.2	<u>Regional Geology</u>	The district can be broadly divided into three geological provinces –





the westernmost Quaternary alluvial deposits followed by narrow Neogene zone of late Tertiary sediments and the easternmost Precambrian metamorphic.

The Precambrian metamorphic are represented by Khondalite, Charnockite and Migmatitic groups. They are intruded by younger basic dykes and overlain by Tertiary and Quaternary sediments.

2.3 Local Geology

Main rock type in the lease area is Garnateferrous Biotite Gneiss of the Khondalite suite. There are rock outcrops in lease area and the remaining area is covered with a layer of topsoil with a thickness of 2m. The major portion of the area is partly mined out and the the mining face of this quarry clearly reveals the presence of khondalite.

2.4 Reserves

RESERVE SUMMARY	
** Mineable Reserves	3,75,185 MT
Blocked Reserves (In Benches)	2,84,830 MT
Blocked Reserves (In Buffer)	1,49,205 MT
Geological Reserves	8,09,220 MT

3 **Review of implementation of Mining plan / Scheme of Mining including progressive closure plan up to the final closure of Mine:**

This is a new area under quarrying lease and the mining operation will start only after obtaining Environmental Clearance and other statutory licenses as mentioned in the Letter of Intent. Review of implementation of mining plan will be discussed during the preparation of final quarry closure plan.

4 **Closure Plan:-**

4.1 **Mined Out Land:**

Total area of leasehold	2.1667 hectares
Area completely mined out so far	Nil
Area partly mined out	1.2724



	Area reclaimed so far	Nil. Reclamation will be started only after the mining operations.
	Area proposed to be completely mined out, back filled & reclaimed	<p>Area proposed to be completely excavated 1.7266Ha</p> <p>Undisturbed area (buffer zone) 0.4401 Ha</p> <p>Out of the mined out area around 0.8558 Ha will be backfilled and reclaimed with afforestation. Around 0.3755 Ha of land from the mined area will be utilized as a rain water harvesting pit. Remaining area of 0.4053 hectares will be retained as benches around the rain water harvesting pit.</p>
	<p>The proposals to be implemented for reclamation and rehabilitation of mined out land including the manner in which the actual site of the pit will be restored are shown with relevant plan and sections. (progressive quarry closure plan and sections plate nos. I3 & I4)</p>	
4.2	<p>Water Quality Management:</p> <p>There are no surface and ground water bodies available in the lease area. Likely depth of water table based on observations in the adjacent pit of the working mine on the south east side is about 80 m below the ground level from the top of the hillock. The water table observed in the nearby wells occurring at a depth of 9-10m below the original ground level is perched water table that occurs above the regional water table and will get dried up during summer season.</p> <p>In due course of mining ground water will not be encountered. Rainwater will be collected in the mine pit. There is no effluent</p>	



	<p>discharge as there is no beneficiation plant in the lease area and the quality of ground water in the surrounding area remains unaffected. Rainwater collected in the pit will be allowed to settle and will be utilized for afforestation.</p>
4.3	<p>Air Quality Management: The proposed mining activities will have air pollution during summer season due to drilling and blasting operation, running of transport machinery like tippers & excavators. To reduce these air pollution mitigation proposals like water spraying, wet drilling etc. will be arranged.</p>
4.4	<p>Waste Management: The waste generated will be utilized within the pit for the formation of haul road. At the end this will be utilized as soil base for plantation.</p>
4.5	<p>Topsoil Management: As per the statutory requirements the topsoil is to be mined separately and it shall be utilized for restoration and rehabilitation of the mined out land. The topsoil, which is stacked separately, will be spread over the refilled areas. The topsoil under any circumstances will not be moved out of the leasehold area for any other purpose.</p>
4.6	<p>Tailing Dam Management: There is no processing plant in or near the leasehold area. Hence tailing dams are not created.</p>
4.7	<p>Infrastructure: The mining machineries like hydraulic excavator, tippers, breakers, compressors etc is proposed to be utilized. The contractor of the machineries will take them back once the mining activities ceases. Electricity is not utilized for mining or dewatering purpose. The diesel pumps available will be shifted for irrigation. The existing mines office and rest shelter is very small and will be utilized as security's room, once the land is properly converted into an ecologically viable land after final mine closure.</p>



4.8	<p>Disposal Of Mining Machinery: The contractor of the mining machineries will take them back to their works, once the mining operations are over.</p>												
4.9	<p>Safety & Security: The lease boundary will be properly fenced and compound walls will be erected if required. Gate with locking facilities will also be provided as part of the safety measures to prevent access to surface openings, excavations etc during the mine abandonment period and up to the site being opened for general public.</p>												
4.10	<p>Disaster Management and Risk Assessment: Proper benches will be provided to prevent landslides. During rainy season, water collected in the mine pit will be pumped out to the natural drainage course, if the water level rises above 5m from the pit bottom. The assistance from the local fire force will also be utilized in case of emergency. Mine related disaster management training will be imparted to the personnel. Transportation facility will be made available to meet the casualties.</p> <p>Location of stations during emergency</p> <table border="1" data-bbox="379 1227 1393 1406"> <thead> <tr> <th>Stations</th> <th>Location</th> <th>Distance in Km</th> </tr> </thead> <tbody> <tr> <td>Hospital</td> <td>Government Hospital, Chadayamangalam</td> <td>2.00 km</td> </tr> <tr> <td>Fire Station</td> <td>Kadakkal</td> <td>5.77 km</td> </tr> <tr> <td>Police Station</td> <td>Chadayamangalam</td> <td>1.89 km</td> </tr> </tbody> </table>	Stations	Location	Distance in Km	Hospital	Government Hospital, Chadayamangalam	2.00 km	Fire Station	Kadakkal	5.77 km	Police Station	Chadayamangalam	1.89 km
Stations	Location	Distance in Km											
Hospital	Government Hospital, Chadayamangalam	2.00 km											
Fire Station	Kadakkal	5.77 km											
Police Station	Chadayamangalam	1.89 km											
4.11	<p>Care and Maintenance during Temporary discontinuance: During temporary discontinuance or incomplete programme due to court order or due to statutory requirements or any other unforeseen circumstances, entry to the leasehold area will be restricted and statutory supervisory staff for the maintenance of the mine will only be allowed to enter the mine.</p>												

4.12 Economic repercussions of closure of mine and man power retrenchments:
 The workers engaged will be on casual basis. So economic repercussion and man power retrenchment question will not arise as the workers will voluntarily go for other jobs like rubber tapping, agriculture, etc.

5 Time Scheduling for abandonment:
 The mined out area will be progressively reclaimed and rehabilitated, where full extraction of the available mineral up to the ultimate pit level is completed.

Time Schedule for closure is as follows:
 i) Backfilling, Reclamation and afforestation of the mined out pit will be started from 9th year onwards.



As far as possible mining activity and reclamation activity will go simultaneously till the final closure of the mine. The closure activities will be periodically reviewed and will be discussed in detail in the scheme of mining and progressive mine closure plan which will have to be submitted discussing the mining activities and reclamation activities during the subsequent five year mining period.

6 Abandonment Cost :

ITEM		DETAILS	EXPENDITURE (Rs)
(A) RECLAMATION & REHABILITATION OF MINED OUT LAND /AREA	i)	Backfilling	25,00,000
	ii)	Afforestation	8,00,000
	iii)	Environment monitoring	50,000
(B) STABILIZATION & REHABILITATION OF DUMPS	i)	Terracing	4,50,000
	ii)	Pitching	5,00,000
	iii)	Others (Fencing along quarry pit)	7,00,000
Total			50,00,000/-

7

Financial Assurance:

Before the execution of the quarrying lease, the lessee is willing to submit the prescribed financial guarantee in the form of bank guarantee from a nationalized Bank in favour of the District Geologist, Department of Mining and Geology, Kollam or any officer authorized in this behalf as stated in Rule 62(3) of Kerala Minor Mineral Concession Rules, 2015.

Prepared By



V. K. ROY

Geologist & RQP



V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Fr: IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysaral@gmail.com
Contact no: 9387805668 / 9961125000



SITE PHOTOGRAPHS

a. Photographs of open well

Open well I – 325 from BPI6 (58m AMSL)
Water level: 10m below MSL (48m AMSL)
Latitude: 8°51'25.29"N
Longitude: 76°52'33.88"E



b. Photograph of rubber plantation in proposed lease area



c. Photograph of office



d. Photograph of mining face of lease area





ANNEXURES



PLATES

No.2581/M6/2023

Directorate of Mining & Geology
Kesavadasapuram, Pattom Palace P.O
Thiruvananthapuram-4
email:director.dir.dmg@kerala.gov.in
www.dmg.kerala.gov.in
05-03-2024

The Director of Mining and Geology.

✓ M/s Shah Quarry,
Thekkuvila Melathil Veedu,
Kudavattoor P.O., Kottarakkara.
(Represented by its **Managing Partner, Sri. Shaji.S**)



Sir,

Sub:- Mining & Geology - Mines & Minerals - Minor Minerals - Granite (Building Stone) - Application for quarrying lease under KMMC Rules 2015 - Letter of Intent - forwarding of - reg.

- Ref: 1. Your application for quarrying lease dated 10.08.2023.
2. Letter Nos.DOKOL-DMG/1225/2023-E Dated 04.09.2023, 12.12.2023 of the Geologist, District Office, Kollam.
3. Kerala Minor Mineral Concession Rules 2015.

Please refer to the references cited above. As per the reference 1st cited, you have applied for a quarrying lease from this office for the extraction of granite building stone from an area of 2.1667 Hectares in Block No. 41, Re-Survey Nos 325/5, 325/2, 325/4, 326, 326/1, 326/2, 328/2-2, 328/2 of Chadayamangalam Village of Kottarakkara Taluk of Kollam District [as shown in the Survey Map File No. 291/2023 dated 16.08.2023 issued by Tahsildar, Kottarakkara Taluk enclosed]. Vide reference cited 2 above, District Geologist, Kollam forwarded your application to this office with recommendations to issue Letter of Intent. For granting quarrying lease as per law, you have to produce following documents through District Geologist to the satisfaction of this office in accordance with the relevant statutes.



DOCUMENTS TO BE PRODUCED

1. Mining plan approved by the District Geologist as stipulated in the KMMC Rules 2015, for the precise area as per the survey map.
2. Environmental Clearance as stipulated in EIA Notification 2006 for the precise area.
3. Consent to operate quarry from the Kerala State Pollution Control Board for the precise area.
4. Explosive licence from the authorities concerned for appropriate quantity of explosives required for extraction of mineral from the precise area as mentioned in the approved mining plan.
5. D&O Licence from the Local Self Government authorities concerned for operating quarry in the precise area.
6. New Possession & Enjoyment Certificate.
7. The lease agreement, duly registered as per the Registration Act, 1904, between the owner of the land applicant permitting the applicant to occupy the land for mining operations for which application has been submitted.
8. Copy of PAN Card.
9. Copy of latest Income Tax Return filed to Income Tax Department.

In addition, you shall make arrangements for the survey and demarcation by erection of boundary pillars of the said area by the revenue authority not below the rank of a Tahsildar or Asst. Director of the Department of Survey and Land Records and shall produce a certificate in this regard issued by authorities concerned.

It is further informed that the duration of lease as well as annual production of mineral will be decided based on the approved mining plan



and documents submitted.

It is also informed that as per the provisions contained in the KMMC Rules 2015 this letter of intent shall be sufficient for the purpose of issuing necessary Licenses/ consents/Clearances/Quarrying lease/NOC,s etc, by the other statutory authorities concerned. In the event of granting of quarrying lease you may also need to produce new Possession and Enjoyment certificate.

It is further informed that the issuance of quarrying lease to the particular area is subject to the decision in the OA No.304/2019, pending before the Hon'ble National Green Tribunal New Delhi.

Yours faithfully

Signed by

M C Kishor

Date: 06-03-2024 10:38:00

HARITHA.V.KUMAR IAS
DIRECTOR

Encl: Photocopy of Survey Map showing precise area.

Copy to:

1. The Chairman, State Environment Impact Assessment Authority (SEIAA) KSRTC Bus Terminal Complex, Thampanoor, Thiruvananthapuram.
2. The Deputy Chief Controller of Explosives, CSEZ, CGO Complex, Kakkanad, Ernakulam.
3. Kerala State Pollution Control Board, District Office, Kollam District.
4. The Secretary, Chadayamangalam Grama Panchayath, Kollam District.
5. The Tahsildar, Kottarakkara Taluk Office, Kollam District.



For kind attention of statutory authorities

[The statutory authorities while issuing licence/consents/NOCs based on this letter of intent may refer this letter of intent in the respective licence/consent/clearance/NOC while issuing the same. The statutory authorities may refer the survey map and consider the extent of applied area, quantity of mineral proposed to extract and the period of lease applied for while issuing such documents. The authorities may note that the operation as per their licence shall start only after execution and registration of quarrying lease granted by this office. All the Survey Nos./Re Survey numbers with Block No. included in the survey map submitted in this connection shall be included in all the aforesaid comments.]

6. The Geologist, District Office, Kollam. (The Geologist shall forward all the above said documents to this office for grant of quarrying lease with recommendations).



ANNEXURE NO.

Validity expires on 31-05-2021



सत्यमेव जयते



**Proceedings of the State Environment Impact Assessment Authority
Kerala**

*Present: Prof. (Dr.) K.P. Joy, Chairman, Dr. J. Subhashini, Member and Sri. P. Mara Pandiyan I.A.S
Member Secretary.*

Sub: Environmental clearance for the building stone quarry project in
Sy.No. 328/2-1, 2-2, 3,6, 326/1-2,1-1,2, 325/2,4,5, 301/34,37 at
Chadayamangalam village, Kottarakkara (Taluk), Kollam district, Kerala by
Sri. Shaji. S- E.C Granted- Orders issued

State Environment Impact Assessment Authority, Kerala

No. 752/SEIAA/KL/301/2015

Dated: Thiruvananthapuram 01-06-2016

- Ref.**
1. Application dated 24/01/2015 from Sri. Shaji.S, Thekkuvilamelathil, Kudavattoor (P.O), Kottarakkara (Taluk), Kollam
 2. Minutes of the 48th meeting of SEAC held on 29/30-9-2015.
 3. Minutes of the 53rd meeting of SEAC held on 6th- 7th April, 2016,
 4. Minutes of the 52nd meeting of SEIAA held on 29-4-2016.

ENVIRONMENTAL CLEARANCE NO. 83 / 2016

Sri. Shaji. S, Thekkuvilamelathil, Kudavattoor (P.O), Kottarakkara (Taluk), Kollam vide his application dated 24/01/2015, has sought Environmental Clearance under EIA Notification, 2006 for the granite building stone open cast quarry is proposed by Shah Quarry in Sy. No. 328/2-1, 2-2, 3,6, 326/1-2,1-1,2, 325/2,4,5, 301/34,37 at Chadayamangalam village, Kottarakkara (Taluk), Kollam district, Kerala for an area of 3.43.10 ha. The project comes under Category B, Activity 1(a), (i) as per the Schedule of EIA Notification 2006 (since it is below 50 hectares) and as per O.M. No. L-11011/47/2011-IA.II(M) dated 18th May 2012 of Ministry of Environment and Forests. It is further categorized as Category B2 as per the O.M. No. J-13012/12/2013-IA-II (I) dt. 24.12.2013 of Ministry of Environment and Forests, since the area of the project is below 25 hectares.



BASIC INFORMATION OF THE PROJECT

Name of project		Building stone quarry , Chadayamangalam					
Category/Subcategory & Schedule		B - 2 category (<25 hectares minor mineral)					
Location Sy no/ district, Taluk/ village etc.		Sy.No : 328/2-1Pt, 328/2-2Pt, 328/3,326/1-1, 326/1-2,326/2Pt, 325/2,325/4,325/5. Village : Chadayamangalam Taluk : Kottarakkara District : Kollam.					
GPS co-ordinates		Latitude (N)	08°51'17.6" To 08°51'31.2"				
		Longitude (E)	76°52'43.1" To 76°52'54.1"				
r Mining projects	Extent of area (in hectares)	3.43.10 ha					
	Minimum and maximum height of excavation (MSL)	115 MSL maximum level, 85 MSL minimum level, Avg Depth 30mtr.					
	Life of mine proposed	14 Years					
	Ultimate depth of mining (in MSL)	85 MSL (Avg 30 mtr Depth from OGL)					
	Distance from the adjacent quarry	Nil. Away from 500 mtr					
	Capacity of production	75,000 Tonnes Per Annum					
	Details of project cost	Rs 75 Lakhs					
CRZ recommendations		Not Applicable					
Forest clearances							
Does it attract violation proceedings		Nil					
Envr Mgmt plan/ Eco restoration plan (brief details)		<table border="1"> <tr> <th colspan="2">MANAGEMENT PLAN:</th> </tr> <tr> <td>Air pollution</td> <td>Quarry operation will produce dust and will pollute the air Dust will be arrested at the dust arising places itself with frequent water sprinkling.</td> </tr> </table>		MANAGEMENT PLAN:		Air pollution	Quarry operation will produce dust and will pollute the air Dust will be arrested at the dust arising places itself with frequent water sprinkling.
MANAGEMENT PLAN:							
Air pollution	Quarry operation will produce dust and will pollute the air Dust will be arrested at the dust arising places itself with frequent water sprinkling.						



	Water pollution	There will be no change in the existing drainage system due to the proposed quarrying activities. No change in the existing status is envisaged. Necessary control measures like chlorination etc in the well will be made.
	Noise	To keep the noise level under control within the limits, proper maintenance of these machines will be done.
	Solid Waste Management	Total quantity of Top soil 55,805 Tonne & quantity of Overburden 54,529 Tonns will be handled during the life of the mine. Top soil will be used for plantation and the waste rock will be used for refilling, leveling of roads. It will be temporarily dumped in Southern side of the Lease Area
	Eco restoration	To maintain Eco restoration, periodical afforestation and maintenance of the plantation will be made, rain harvesting and dust controlling will be done. Mining will be carried by Eco-friendly method.
ABOUT THE PROJECT		
WATER		
Water requirement & sources	1.00 KLD domestic 4.00 KLD Dust control Plantation . 5.00 KLD Source : dug well and rain water collection	
RWH units proposed	Rain water harvesting ponds proposed during post mining extending over an area of 0.39.00 hector in the bottom level of mining Pit and 0.03.00 hect outside the Lease area.	
Facilities for liquid waste treatment	Liquid waste from toilet and office, will be treated in septic tank and soak pit	
Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	Nil	
Water quality meeting requirements	As per rules applicable	
Does it have provisions for use of recycled water	Not applicable	
LAND		
Proximity to forest lands	Nil, as stated by proponant	



Access road to the site Width & Condition	Access Road is starting from Kadannur to Ayoor road as a district road of 150 m .The access road is being maintained 7.0 width for the movement of trucks.
Storage of explosives hazardous substances	The company has obtained explosive licences for magazines. Explosives will be procured, stored, transported , handled and used in accordance with Indian Explosives Rules 2008 , Mines Act 1952 and regulations there under.
Facility for solid waste mgmt	Solid waste will be used for leveling ,paving of roads , owner's construction works Solid waste will be stored temporarily on the Western side over an extent of 0.18.00 hectare in Applicant's Own Land.
Topographic features/ slope	Topographically the area is an undulating hill with slope towards south. The charnockite rocks are occurring in a massive form in the entire regional areas with a general strike of NE/SW Length of the deposit : 295 mtr Width of the deposit : 200 mtr
Proneness of the area for landslides	Nil
AIR	
Air quality meeting requirements	As per the rules applicable
Noise level meeting requirements.	As per rules applicable
Likely emissions affecting environment	Due to quarry activity and operation of transport vehicle, generation of dust , noise is likely to arise . The mitigative measures proposed in EMP will be implemented.
ENERGY	
Energy requirement	Power supply is required for office, workshop, canteen, will be drawn from KSEB .Quarry machines are by diesel operated. About 80 litres of diesel is required per day .
Energy sources	KSEB
Extent of usage of alternative energy resources	Generator
BIODIVERSITY	
Presence of any endangered species or red listed category	There are no endangered or rare species in the area.
Loss of native species and genetic diversity	There will not be any loss of native species of genetic diversity by the quarry operation .The company will maintain eco restoration program in the surrounding area.
Likely displacement of fauna	Nil, as stated as proponent



Any introduction of alien / invasive species	Nil, as stated as proponent
SOCIAL ASPECTS	
Proximity to nearest habitation	102 m from Lease Boundary (house)
CSR related to the project/ allocation/ time frame (details mandatory)	Common facilities and social activities will be sponsored
GENERAL	
Biomedical waste management	Not applicable
E-waste management	Not applicable
Sufficiency of parking spaces/ traffic management	Sufficient
Litigation/court cases, if any, against the project (provide details)	Nil, as reported
Right & nature of ownership of land	Company owned Patta Land
Is the property forest land/govt. land/own land	Company owned Patta Land
Details of Authorised Signatory	Shri. Shaji.S - (Managing Partner), Shah Quarry, Thekkuvila melathil, Kadavattor (P.O), Kottarakkara Taluk, Kollam District- 691 512 Phone No : 9447556432 Email : shaji6460@gmail.com

2. The proposal was considered in the 48th meeting of the SEAC held on 6th and 7th November, 2015. In the said meeting, it was decided to defer the proposal for filed inspection and submission of following documents:

1. Detailed route map should be provided
2. Biodiversity details of the area with IUCN status of each of the species
3. The original cadastral map certified by village officer

4. A more realistic need based CSR proposal.

The proponent has accordingly submitted the details/above said documents sought by the SEAC. The site inspection was completed on 13.01.2016 by the subcommittee comprised of Dr. K. Harikrishnan and Sri. John Mathai. The Proponent with his representatives were present at the site at the time of site visit.

"The project is an active quarry located near Kuriyode on the MC road. This quarry lease area of 4.6725 ha falling partly in own land and partly in government land occupy the elevated part of a gently undulating area. Boundary pillars are erected and numbered displaying GPS values. The rock type is a mixture of gneiss and charnockite. The removed OB from the existing quarry is stocked at convenient places based on the place of excavation. RWH structures are not seen. A seasonal stream is seen by the side of the quarry land with both flanks owned by the proponent. Rubber is the dominant landuse. Floral and faunal biodiversity is not observed as the area is cleared for rubber. Dwelling units are seen in the immediate vicinity but beyond 100 m. Two buildings within 100 m are used as office and other facilities for workers. The documents regarding NOC for Govt land has not been verified.

Based on an overall evaluation of the site, the quarry operations may be recommended with following conditions:

- 1. Fencing should be provided all around the lease area.*
- 2. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.*
- 3. Ultimate depth of mine must be limited to the stream bed level seen in the vicinity.*
- 4. The seasonal stream should be provided with protective embankments to prevent entry of quarry waste. It should also be provided with low level check dams at least at two places to arrest silt being washed downstream. Periodic desiltation is essential.*
- 5. The approach road is narrow and presently not maintained for movement of heavy vehicles. This should be taken up on priority basis.*
- 6. The CSR activity needs revision".*

3. The proposal was placed before 53rd SEAC for appraisal. The Committee further appraised the proposal in the light of the field inspection report. It was found that there is a case of violation. It was decided to recommend for issuance of EC after completing action against violation subject to the following specific conditions in addition to general conditions applicable for mining proposals.

1. Fencing should be provided all around the lease area.
2. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.
3. Ultimate depth of mine must be limited to the stream bed level seen in the vicinity.
4. The seasonal stream should be provided with protective embankments to prevent





- entry of quarry waste. It should also be provided with low level check dams at least two places to arrest silt being washed downstream. Periodic desiltation is essential.
5. The approach road is narrow and presently not maintained for movement of heavy vehicles. This should be taken up on priority basis. CSR activity must be submitted before the Authority.

Authority decided to accept the recommendations of SEAC in para 3 except that on violation proceedings and to grant E.C subject to production of revised CSR undertakings, and the above specific conditions in addition to the general conditions.

5. State Environmental Impact Assessment Authority Kerala hereby grant environmental clearance to the proposed quarry project by Sri. Shaji. S, Thekkuvilamelathil, Kudavattoor (P.O), Kottarakkara (Taluk), Kollam Sy. No. 328/2-1, 2-2, 3,6, 326/1-2,1-1,2, 325/2,4,5, 301/34,37 at Chadayamangalam village, Kottarakkara (Taluk), Kollam district, Kerala for an area of 3.43.10 ha subject to the specific conditions given in para 3 above and the general conditions in the appendix.

6. The clearance issued will also be subject to full and effective implementation of all the undertakings given in the application form, mitigation measures in the Environment Management Plan in Chapter 2 of the Pre-Feasibility Report and the mining features including progressive mine closure plan as submitted with the application and relied on for grant of this clearance. The above undertakings and the conditions and undertakings in Chapter 4 (Mining), Chapter 5 (Blasting) Chapter 6 (Mine Drainage), Chapter 7 (other permanent structures), Chapter 9 (Environment Management plan), Chapter 10 (Progressive Mine Closure Plan) of the Mining Plan as submitted will be deemed to be part of this proceedings as conditions as undertaken by the proponent, as if incorporated herein.

As regards the recommendation for violation proceedings, it is a working quarry with lease/permit, the decision of the Hon. Supreme Court in S.L.P.No. 30103/ 15 (to maintain status quo) will apply, E.C was made applicable to mining of minerals in areas less than 5 ha, only in pursuance of the order dated 27.2.2012 of the Hon. Supreme Court case in Deepak Kumar VS state of Haryana. The extent in this being less than 5 ha violation proceedings based on working with out EC can be initiated.

7. Validity of the environmental clearance will be five years from the date of this clearance, subject to earlier review in the event of genuine complaint from anybody from the safety area or violation or non- compliance of any of the conditions stipulated herein.

8. Compliance of the conditions herein will be monitored by the Authority or its agencies and also by the regional office of the Ministry of Environment & Forests, Govt. of India, Bangalore.

i) Necessary assistance for entry and inspection should be provided by the project proponent and those who are engaged or entrusted by him to the staff for inspection or monitoring.

- ii) Instances of violation if any shall be reported to the District Collector, Kollam to take legal action under the Environment (Protection) Act, 1986.
- iii) The given address for correspondence with the authorized signatory of the project Sri. Shaji. S. Thekkuvilamelathil, Kudavattoor (P.O), Kottarakkara (Taluk), Kollam

P. Mara Pandiyan, I.A.S
Member Secretary (SEIAA)
&

Additional Chief Secretary to Government
Environment & Forest Department
Government of Kerala.



To ✓
Sri. Shaji. S. Thekkuvilamelathil,
Kudavattoor (P.O), Kottarakkara (Taluk),
Kollam

Copy to,

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala.
3. Director, Mining & Geology, Thiruvananthapuram -4.
4. District Collector, Kollam
5. Secretary, Chadayamangalom Grama Panchayath Kottarakkara P.O., Kollam
6. Chairman, SEIAA.
7. Website.
8. S/f
9. O/c



Forwarded/ By Order

Administrator,

SEIAA

ANNEXURE NO:

24B



**Proceedings of the State Environment Impact Assessment Authority
Kerala**

Sub: SEIAA - Environmental Clearance - Correction in the Environmental Clearance -
Orders issued

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY

No. 752/SEIAA/KL/301/2015

Dated. 21/12/2016

- Read: 1) E.C. No. 83/Q/2016 dated 01/06/2016 issued vide proceedings No. 752/SEIAA/KL/301/2015 dated 01/06/2016.
2) Minutes of 59th meeting of SEIAA held on 27.09.2016
3) Minutes of 61st meeting of SEIAA held on 30.11.2016.

ORDER

Environmental Clearance was issued to Sri. Shaji.S, Thekkuvilamelathil, Kudavattoor (P.O), Kottarakkara (Taluk), Kollam in Survey No in Sy. No. 328/2-1, 2-2, 3, 6, 326/1-2, 1-1, 2, 325/2,4,5, 301/34, 37 at Chadayamangalam village, Kottarakkara (Taluk), Kollam district for an area of 3.4310.ha. vide reference read above. Now the proponent has informed that the Survey No. stated by him in his application was incorrect and requested to issue a revised E.C with Survey numbers 328/3, 328/2-1 (P), 328/2-2 (P), 326/1-1, 326/1-2, 326/2 (P), 325/2, 325/4 and 325/5, as in the revised mining plan. On the basis of the request, the Authority, in its 59th meeting held on 27/09/2016 (item No. 59.20) agreed to amend the Environmental Clearance read above on submission of revised Forms 1 by the proponent with the Survey Nos as included in the approved mining plan as per KMMC Rules 2015 as appraised by State Experts Appraisal Committee for issue of the Environmental Clearance.

But due to some genuine doubts SEIAA has not issued the erratum and decided to consider in the next meeting after detailed examination. On examination it is confirmed that SEAC has appraised the proposal as per the revised mining plan (Survey numbers 328/3, 328/2-1 (P), 328/2-2 (P), 326/1-1, 326/1-2, 326/2 (P), 325/2, 325/4 and 325/5 for an area of 3. 43. 10 ha.). The E.C certificate was also issued for an area of 3. 43. 10 ha. But the Sy.



Nos. mentioned in the E.C certificate was not correct. Rectification of Sy.Nos in the E.C certificate will not result any changes in the approved mining area (3.43.10 ha).

The Authority decided to issue erratum regarding survey numbers.

Therefore it is hereby ordered that the Environmental Clearance read above is amended with Survey No. cited as 328/3, 328/2-1 (P), 328/2-2 (P), 326/1-1, 326/1-2, 326/2 (P), 325/2, 325/4 and 325/5.

The Environmental Clearance read above is modified to the above extent.

Sd/-

V. S. Senthil L.A.S
Member Secretary, SEIAA

To

✓
Sri. Shaji.S,
Thekkuvilamelathil,
Kudavattoor (P.O),
Kottarakkara (Taluk),
Kollam

Copy to:

1. District Collector, Kollam
2. Additional Tahasildar, Kottarakkara
3. DoECC, Thiruvananthapuram
4. Director, Mining & Geology, Thiruvananthapuram
5. Secretary, Chadayamangalam GP, Chadayamangalam
6. Chairman, SEIAA
7. Website
8. S/F.
9. O/C



Forwarded/By Order

Rajesh Kumar

Administrator, SEIAA

ANNEXURE NO: 2C



**PROCEEDINGS OF THE
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY – KERALA, THIRUVANANTHAPURAM**

*(Present : Dr.H.Nagesh Prabhu IFS (Retd), Chairman,
Shri.K.Krishna Panicker, Member, Dr.V.Venu IAS, Member Secretary)*

Sub:- SEIAA –Environmental Clearance for the Quarry project in Survey No. 328/2-1, 2-2, 3,6, 326/1-2,1-1,2, 325/2,4,5, 301/34,37 at Chadayamangalam Village, Kottarakara Taluk, Kollam District to Sri. Shaji. S – Revalidation - Granted – Orders issued.

State Level Environment Impact Assessment Authority, Kerala

File No. 752/SEIAA/KL/301/2015

dated :16.07.2022

- Ref: 1. Environmental Clearance Order No. 752/SEIAA/KL/301/2015 dated 01.06.2016
2. Judgment of the Hon'ble High Court dated 02.11.2020 in WP(C) No.11106 of 2020 (K)
3. Minutes of the 127th meeting of SEAC held on 28th to 30th April 2022
4. Minutes of the 114th meeting of SEIAA held on 25th, 26th May & 01st June 2022
5. G.O(Rt.) No.29/2019/Envvt dt.12.04.2019

ORDER

Vide paper read 1st above, Environmental Clearance for a period of 5 years was issued to the Quarry Project of Sri. Shaji. S in Survey No. 328/2-1, 2-2, 3.6, 326/1-2,1-1,2, 325/2.4.5, 301/34.37 Chadayamangalam Village, Kottarakara Taluk, Kollam District, Kerala.

2. Vide Judgment read paper 2nd above, the Hon'ble High Court disposed off the Writ Petition by directing the regulatory bodies concerned to call for additional recommendations from the appraisal committees after estimating the life of the project of the





petitioner in respect of which EC had been issued, and there upon re-validated to the petitioner.

3. In the 127th meeting of SEAC held on 28th & 30th April 2022, based on detailed verification of FIR, documents and deliberations, the Committee recommended revalidation of EC with a project life of 12 Years from the date of issuance of first EC (01.06.2016) with certain Specific Conditions in addition to the General Conditions:

4. The 114th SEIAA meeting held on 25th, 26th May & 01st June 2022, the Authority decided to revalidate the EC initially for a period of 5 years and extend the EC period to cover Project Life of 12 years, from the date of issuance of original EC (01.06.2016) subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has caused any damage to the Environment in the Project Region by violating any EC conditions.

The revalidation of EC is subject to Terms and Conditions in the original EC in addition to the General Conditions and the following Additional Specific Conditions.

1. *The green belt development in the buffer should be done in the first year itself and should be nurtured and maintained in subsequent years*
2. *The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to avoid obstruction to overland drainage.*
3. *Measures incorporated in the CER should be implemented in total as proposed.*
4. *The proponent should carry out OB dump grading (slope reduction) and terracing with stabilization by planting vetivers. A protection gabion wall should also be provided as required at the lower portion.*
5. *The site for dump 3 is sharing a boundary with the natural canal. A proper protection wall should be made to dump 3 to prevent OB and soil from reaching the stream.*
6. *The proponent should provide proper embankment protection for the stream from the beginning of dump 3 on north east side of the project site till the end of the project boundary.*
7. *The OB dumpsite as pointed out by SEAC should be shifted to the lower elevation.*
8. *The proponent should provide protective fencing to the quarry pit.*

5. In this circumstance, Environmental Clearance issued vide paper 1st above is hereby revalidated initially for a period of 5 years for the quantity mentioned in the approved Mining



Plan to be extended to cover project life of 12 years, from the date of issuance of original EC i.e 01.06.2016., subject to the review by SEAC at the end of every five years to verify whether the Project Proponent has caused any damage to the Environment in the project region by violating any EC conditions. The revalidation of Environmental Clearance is accorded subject to the Terms and Conditions mentioned in the original EC in addition to the General Conditions and the additional Specific Conditions mentioned in Para 4 above. The Project Proponent shall ensure that no violation of EC conditions takes place during the revalidation period of EC.

6. The Half Yearly Compliance Report (HYCRs) with its contents, covering letter, compliance report and environmental monitoring data have to be uploaded in the PARIVESH portal and the website of the proponent. The compliance report with the name of the project, EC No. and date, period of submission should be sent to the Regional Office of MoEF & CC by e-mail only at email ID rosz.bng-mefcc@gov.in. Hardcopy of HYCRs shall not be acceptable.

Administrator, SEIAA
For Member Secretary, SEIAA

To,

Sri. Shaji S
Managing Partner
Thekkuvila Melathil
Kadavattoor P.O
Kottarakara, Kollam
Kerala 691512



Copy to

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: rosz.bng-mefcc@gov.in)
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala
3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.

4. The District Collector, Kollam
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board
7. The District Geologist, Kollam
8. The Tahsildhar, Kottarakara Taluk, Kollam District
9. The Secretary, Chadayamangalam Grama Panchayath, Kollam
10. The Chairman, SEIAA.
11. Website.
12. S/f
13. O/c



FILE NO:

2D



**PROCEEDINGS OF THE
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY – KERALA, THIRUVANANTHAPURAM**

*(Present :Dr.H.NageshPrabhu IFS (Retd), Chairman, Shri.K.KrishnaPanicker,
Member, Dr.V.Venu IAS, Member Secretary)*

**Sub-SEIAA –Environmental Clearance for the Quarry Project in Survey No.
328/2-1(P), 328/2-2(P), 328/3, 326/1-1, 326/1-2, 326/2(P), 325/2, 325/4
and 325/5 at Chadayamangalam Village, KottarakaraTaluk, Kollam
District to Sri. Shaji. S– Revalidation Granted – Orders issued.**

State Level Environment Impact Assessment Authority, Kerala

File No. 752/SEIAA/KL/301/2015 dated, Thiruvananthapuram: 04.08.2022

- Ref: 1. EC No.752/SEIAA/KL/301/2015 dated 01.06.2016 and its amendment on 21.12.2016
2. Order No. 752/SEIAA KL/301/2015 dated 16.07.2022
3. Request dated 25.07.2022 from Sri. Shaji. S

ORDER

Environmental Clearance was issued to Sri. Shaji S, Managing Partner, 1066KSVR Melanil, Kadavayal P.O. Kottarakara Taluk, Kollam, Kerala 691512 for the Granite Building Stone Quarry in Survey Numbers 328/3, 328/2-1(p), 328/2-2(p), 326/1-1, 326/1-2, 326/2(p), 325/2, 325/4, 325/5 Chadayamangalam Village, Kottarakara Taluk, Kollam District, Kerala as per orders read 1st above. Vide paper 2nd cited the revalidation of the EC was issued for an area comprised in sy No. 328/2-1, 2-2, 3-6, 326/1-2, 1-1, 2, 325/2, 4,5, 301/34,37.

2. The proponent, in his representation read paper 3rd above requested to correct the errors regarding the survey numbers mentioned in the revalidation order as per



original EC issued on 01.06.2016 and its amendment dated 21.12.2016 ie 328/2-2(P), 328/3, 326/1-1, 326/1-2, 326/2(P), 325/2, 325/4 and 325/5.

3. The request was examined in detail and found that the survey numbers mentioned as per original EC issued on 01.06.2016 are 328/3, 328/2-1(P), 328/2-2(P), 326/1-1, 326/1-2, 326/2(P), 325/2, 325/4 and 325/5. In the above circumstances the survey numbers in the order read 2nd above is corrected as 328/3, 328/2-1(p), 328/2-2(p), 326/1-1, 326/1-2, 326/2(p), 325/2, 325/4 & 325/5 as in the original EC issued vide paper 1st above. The order read 2nd above is modified to the above extent only.


Administrator, SEIAA
For Member Secretary, SEIAA

To.

Sri. Shaji S
Managing Partner
Thekkuvila Melathil
Kadavattoor P.O
Kottarakara, Kollam
Kerala 691512



Copy to

1. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: ros.z.bng-mefce@gov.in)
2. The Additional Chief Secretary to Government, Environment Department, Government of Kerala
3. The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695001.
4. The District Collector, Kollam
5. The Director, Mining & Geology, Thiruvananthapuram -4.
6. The Member Secretary, Kerala State Pollution Control Board
7. The District Geologist, Kollam
8. The Tahsildhar, Kottarakara Taluk, Kollam District
9. The Secretary, Chadayamangalam Grama Panchayath, Kollam
10. The Chairman, SEIAA.
11. Website.
12. S/f
13. O/c



ANNEXURE NO: 3a

കേരള സർക്കാർ
ലാൻഡ് റവന്യൂ വകുപ്പ്
രസീത്



ജില്ല: കൊല്ലം
താലൂക്ക്: കൊട്ടാരക്കര

തണ്ടപ്പേർ നമ്പർ 7488 അനുസരിച്ച് കരം ഒടുക്കിയതിന് രസീത്

ഇനം	ഉപ ഇനം	ഇക	കാലയളവ്	വിശദാംശങ്ങൾ
1) അടിസ്ഥാന ഭൂനികുതി	തൻവർഷം	₹400	2023-2024	ബ്ലോക്ക്: 41, തണ്ടപ്പേർ നം: 7488 1) എം റഷീദ്... മീരാൻകുഞ്ഞ് മകൻ, . ഷഫീക് മൻസിൽ പള്ളിമൺ, .. 2) ഷാജി... സോമനാഥൻ മകൻ, . തേക്കവിള മേലേതിൽ വീട് ഓടനാവട്ടം.. 3) നിസാറുദീൻ, .. മുസ്സഫ് മകൻ, , തൗഫീഖ് മൻസിൽ കിഴക്കനേല. നീസർവ്വേ നം, വിസ്തീർണ്ണം, തരം 1) 326/23 ആർ .1 സ്വ.മി., പുരയിടം 2) 326/1, 4 ആർ .5 സ്വ.മി., പുരയിടം 3) 326/2, 20 ആർ .88 സ്വ.മി., പുരയിടം ആകെ വിസ്തീർണ്ണം: 47 ആർ .94 സ്വ.മി.
2) കർഷകത്തൊഴിലാളി ക്ഷേമനിധി	തൻവർഷം	₹48	2023-2024	
		ആകെ ഇക	₹448	

മേൽ വിവരിച്ച പ്രകാരം ₹448 (നാണൂറ്റി നാൽപ്പത്തിയെട്ട് രൂപ) 2023 ജൂലൈ മാസം 11 തീയതിയായ ഇന്നെ ദിവസം സ്വീകരിച്ച് വില്ലേജ് കണക്കിൽ മുതൽ വച്ചിരിക്കുന്നു.

ഒടുക്കുന്നയാൾ : എം റഷീദ്... ഷഫീക് മൻസിൽ പള്ളിമൺ, .. മുതൽ പേർ

സ്ഥലം: ചടയമംഗലം
തീയതി: 11/07/2023



SHAJU B
വില്ലേജ് ഫീൽഡ് അസിസ്റ്റന്റ്

ഈ രസീത് റവന്യൂ വകുപ്പിന്റെ ഇ-പേജ് വെബ്സൈറ്റ് സാമ്പിഡാനം മുഖേന രജിസ്ട്രേഷൻ ലഭ്യമാക്കുന്നതിനാൽ വില്ലേജ് ഓഫീസറുടെ ഒപ്പോ ഓഫീസ് സീലോ ആവശ്യമില്ല. രസീതിന്റെ ആധികാരികത റവന്യൂ വകുപ്പിന്റെ www.revenue.kerala.gov.in എന്ന പേജിലൂടെ പരിശോധിക്കാവുന്നതാണ്.

QR കോഡ് സ്കാൻ ചെയ്ത് രസീതിന്റെ ആധികാരികത ഉറപ്പ് വരുത്താവുന്നതാണ്.



**കേരള സർക്കാർ
ലാൻഡ് റവന്യൂ വകുപ്പ്
രസീത്**

AN/LAURE NO: 36



KL02042507010/2023
വില്ലേജ് : ചടയമംഗലം

ജില്ല : കൊല്ലം
താലൂക്ക് : കൊട്ടാരക്കര

തണ്ടപ്പേർ നമ്പർ 7971 അനുസരിച്ച് കരം ഒടുക്കിയതിന് രസീത്

ഇനം	ഉപ ഇനം	തുക	കാലയളവ്	വിശദാംശങ്ങൾ
1) അടിസ്ഥാന ഭൂനികുതി	തൽവർഷം	₹568	2023-2024	ബ്ലോക്ക്:41, തണ്ടപ്പേർ നം :7971 1) എം റഫീദ്, മീരാൻകണ്ടു മകൻ, ഷെഫീഖ് മൻസിൽ നെടുമ്പന 2) ഷാജി, സോമനാഥൻ മകൻ, തെക്കുവള മേലേതിൽ വീട് കടവുർ 3) നിസാറുദീൻ, മുഹമ്മദ് മുസ്തഫാ മകൻ, തൗഫീഖ് മൻസിൽ കല്ലുവായക്കൽ റിസർവ്വെ നം. വിസ്തീർണ്ണം, തരം 1) 325/2, 47 ആർ, പുരയിടം 2) 325/4, 23 ആർ, 30 സ്ക്വ.മീ., പുരയിടം ആകെ വിസ്തീർണ്ണം: 70 ആർ, 30 സ്ക്വ.മീ.
2) കർഷകത്തൊഴിലാളി ഷെഖമനിയ	തൽവർഷം	₹71	2023-2024	
	ആകെ തുക	₹639		

മേൽ വിവരിച്ച പ്രകാരം ₹639 (അറുനൂറ്റി മുപ്പത്തിയൊമ്പത് രൂപ) 2023 ജൂലൈ മാസം 11 തീയതിയായ ഇന്നെ ദിവസം സ്വീകരിച്ച് വില്ലേജ് കണക്കിൽ മുതൽ വച്ചിരിക്കുന്നു.

ഒടുക്കുന്നയാൾ : എം റഫീദ്, ഷെഫീഖ് മൻസിൽ നെടുമ്പന മുതൽ പേർ

സ്ഥലം; ചടയമംഗലം
തീയതി: 11/07/2023



SHAJU B

വില്ലേജ് ഫീൽഡ് അസിസ്റ്റന്റ്

ഈ രസീത് റവന്യൂ വകുപ്പിന്റെ ഇ-പേയ്മെന്റ് സംവിധാനം മുഖേന തയ്യാറാക്കി ലഭ്യമാക്കുന്നതിനാൽ വില്ലേജ് ഓഫീസറുടെ ഒപ്പോ ഓഫീസ് സിലോ ആവശ്യമില്ല. രസീതിന്റെ ആധികാരികത റവന്യൂ വകുപ്പിന്റെ www.revenue.kerala.gov.in എന്ന പോർട്ടലിൽ പരിശോധിക്കാവുന്നതാണ്.

QR കോഡ് സ്കാൻ ചെയ്ത് രസീതിന്റെ ആധികാരികത ഉറപ്പ് വരുത്താവുന്നതാണ്.



ANNEXURE NO: 3C

കേരള സർക്കാർ
ലാൻഡ് റവന്യൂ വകുപ്പ്
രസീത്



KL02042507013/2023
വില്ലേജ് : ചടയമംഗലം

ജില്ല : കൊല്ലം
താലൂക്ക് : കൊട്ടാരക്കര

തണ്ടപ്പേർ നമ്പർ 7495 അനുസരിച്ച് കരം ഒടുക്കിയതിന് രസീത്

ഇനം	ഉപ ഇനം	തുക	കാലയളവ്	വിശദാംശങ്ങൾ
1) അടിസ്ഥാന ഭൂനികുതി	അൻവർഷം	₹160	2023-2024	ബ്ലോക്ക്:41, തണ്ടപ്പേർ നം :7495 1) നിസാറുദീൻ, മുഹമ്മദ് മുസ്ലിം മകൻ, താഫീഖ് മൻസിൽ കല്ലുവാതുക്കൽ 2) ഷാജി, സാമനാഥൻ മകൻ, തേക്കവിള മേലേതിൽ വിട് കടവുർ 3) എം റഷീദ്, മിരാൻകണ്ണ മകൻ, ഷൈഖ് മൻസിൽ നെടുമ്പന റീസർവ്വെ നം. വിസ്തീർണ്ണം, തരം 1)325/5, 19 ആർ.90 സ്ക്വ.മീ., പുരയിടം ആകെ വിസ്തീർണ്ണം:19 ആർ.90 സ്ക്വ.മീ.
ആകെ തുക		₹160		

മേൽ വിവരിച്ച പ്രകാരം ₹160(നൂറ്റി അറുപത് രൂപ) 2023 ജൂലൈ മാസം 11 തീയതിയായ ഇന്നെ ദിവസം സ്വീകരിച്ച് വില്ലേജ് കണപ്പിൽ മുതൽ വച്ചിരിക്കുന്നു.

ഒടുക്കുന്നയാൾ : നിസാറുദീൻ, താഫീഖ് മൻസിൽ കല്ലുവാതുക്കൽ മുതൽ പേർ

സ്ഥലം: ചടയമംഗലം
തീയതി: 11/07/2023



SHAJU B
വില്ലേജ് ഫീൽഡ് അസിസ്റ്റന്റ്

ഈ രസീത് റവന്യൂ വകുപ്പിന്റെ ഇപ്പേയ്മെന്റ് സംവിധാനം മുഖേന തയ്യാറാക്കി ലഭ്യമാക്കുന്നതിനാൽ വില്ലേജ് ഓഫീസറുടെ ഒപ്പോ ഓഫീസ് സീലോ ആവശ്യമില്ല. രസീതിന്റെ ആധികാരികത റവന്യൂ വകുപ്പിന്റെ www.revenue.kerala.gov.in എന്ന പേജിൽ പരിശോധിക്കാവുന്നതാണ്.

QR കോഡ് സ്കാൻ ചെയ്ത് രസീതിന്റെ ആധികാരികത ഉറപ്പുവരുത്താവുന്നതാണ്.



RE NO: 3D

കേരള സർക്കാർ
ലാൻഡ് റവന്യൂ വകുപ്പ്
രസീത്

ജില്ല : കൊല്ലം
താലൂക്ക് : കൊട്ടാരക്കര

KL02042507011/2023
വില്ലേജ് : ചടയമംഗലം

തണ്ടപ്പേർ നമ്പർ 7396 അനുസരിച്ച് കരം ഒടുക്കിയതിന് രസീത്

ഇനം	ഉപ ഇനം	തുക	കാലയളവ്	വിശദാംശങ്ങൾ
1) അടിസ്ഥാന ഭൂനികുതി	തൻവർഷം	₹936	2023-2024	ബ്ലോക്ക്: 41, തണ്ടപ്പേർ നം: 7396 1) നിസാറുദീൻ, മുഹമ്മദ് മുസ്ലിം മകൻ, തൗഫീഖ് മൻസിൽ കല്ലുവായക്കൽ 2) എം റഷീദ്, മീരാൻകുഞ്ഞു മകൻ, ഷൈഖ് മൻസിൽ നെടുമ്പന 3) ഷാജി, സോമനാഥൻ മകൻ, തേക്കവിള മേലേതിൽ വീട് കടവൂർ റീസർവ്വെ നം, വിസ്തീർണ്ണം, തരം 1) 328/2, 75 ആർ, 53 സ്ക്വ.മീ., പുരയിടം 2) 328/2-2, 40 ആർ, 47 സ്ക്വ.മീ., പുരയിടം ആകെ വിസ്തീർണ്ണം: 1 ഹെ., 16 ആർ
2) കർഷകത്തൊഴിലാളി വേക്കുമനിയ	തൻവർഷം	₹116	2023-2024	
		ആകെ തുക		₹1052



മേൽ വിവരിച്ച പ്രകാരം ₹1052 (ആയിരത്തി അൻപത്തിരണ്ട് രൂപ) 2023 ജൂലൈ മാസം 11 തിയതിയോടെ തണ്ടപ്പേർ വില്ലേജ് ഓഫീസിലെ വില്ലേജ് കണക്കിൽ മുതൽ വച്ചിരിക്കുന്നു.

ഒടുക്കുന്നയാൾ : നിസാറുദീൻ, തൗഫീഖ് മൻസിൽ കല്ലുവായക്കൽ മുതൽ പേർ

സ്ഥലം: ചടയമംഗലം
തീയതി: 11/07/2023



SHAJU B
വില്ലേജ് ഫീൽഡ് അസിസ്റ്റന്റ്

ഈ രസീത് റവന്യൂ വകുപ്പിന്റെ ഇ-പേജ് വെബ്സൈറ്റ് സംവിധാനം മുഖേന രജിസ്ട്രാറാക്കി ലഭ്യമാക്കുന്നതിനാൽ വില്ലേജ് ഓഫീസിലെ ഓപ്പോ ഓഫീസ് സീലോ ആവശ്യമില്ല. സെിതിന്റെ ആധികാരികത റവന്യൂ വകുപ്പിന്റെ www.revenue.kerala.gov.in എന്ന പൊതുവെലിൽ പരിശോധിക്കാവുന്നതാണ്.
QR കോഡ് സ്കാൻ ചെയ്ത് രസീതിന്റെ ആധികാരികത ഉറപ്പ് വരുത്താവുന്നതാണ്.

N 376/23

മിഷൻ
 ജെ.ജി.ജി.
 1/9/2023

നിയമനം

ജെ.ജി.ജി. വിഭാഗം ഏരിയ A1-ൽ സർവ്വേ 328/2-1
 എന്നത് നിയമം കമ്പ്യൂട്ടർ ഓരുകൾ 26/10 328/2
 എന്ന സർവ്വേ നമ്പർ നൽകിയിട്ടുള്ളതും സർവ്വേ 326
 എന്നത് സർവ്വേയിൽ ഉൾപ്പെടുത്തിയ FIELD രേഖകൾ
 ലിംഗ്വിസ്റ്റ് രേഖകൾ ഉൾപ്പെടെ സർവ്വേ-സർവ്വേയിൽ
 നമ്പരുകൾ രേഖ 326/1-2, 326/1-1 എന്ന
 രേഖകളിൽ കമ്പ്യൂട്ടർ ഓരുകൾ ഉൾപ്പെടെ നിലവിലുള്ള
 സർവ്വേ നമ്പരുകൾ 326, 326/1 എന്ന
 കിരണ വിഭാഗം സർവ്വേയ്ക്കുമാണ്.

ഈ നിയമം നിലനിൽക്കുന്നതിനായി, ഓരുകൾ രേഖകൾ
 ഉൾപ്പെടെ നൽകിയിട്ടുണ്ട്.



(Handwritten Signature)
 ജെ.ജി.ജി.
 ജെ.ജി.ജി.



നം : 362/2023

വില്ലേജ് ഓഫീസ് : ചടയമംഗലം

തീയതി : 10.08.2023

കൈവശാവകാശ സർട്ടിഫിക്കറ്റ്

താഴെപ്പറയുന്ന വസ്തു വകകൾ സോമനാഥൻ മകൻ ശ്രീ. ഷാജി, മുഹമ്മദ് മുസ്തഫ മകൻ നിസാരൂദ്ദീൻ, മീരാൻ കുഞ്ഞു മകൻ റഷീദ് എന്നിവരുടെ പേരിൽ കൂട്ടായ കരമൊടുക്കിലും തണ്ടപ്പേരിലും കൈവശത്തിലും ഉള്ളതാകുന്നു.

റീസർവ്വെ ബ്ലോക്ക് നമ്പർ	തണ്ടപ്പേര്	താലൂക്ക്	വില്ലേജ്	റീ സർവ്വെ നം.	ആകെ വിസ്തീ.	ഇനം	പേര് അഡ്രസ്സ്
41	7488	കൊട്ടാരക്കര	ചടയമംഗലം	326/2	0.2088	പുരയിടം	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേലതിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാരൂദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ., പാതിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞു മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
41	7488	കൊട്ടാരക്കര	ചടയമംഗലം	326	0.2301	പുരയിടം	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേലതിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാരൂദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ., പാതിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞു മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
41	7971	കൊട്ടാരക്കര	ചടയമംഗലം	325/4	0.2330	പുരയിടം	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേലതിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാരൂദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ., പാതിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞു മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം



ANNEXURE NO: 1

Continued.....

സബ് രജി. നമ്പർ	ഡോക്കുമെന്റ് നമ്പർ	താലൂക്ക്	വില്ലേജ്	സർവ്വേ നമ്പർ	ആകെ വിസ്തീ. വിസ്തീ.	ലീസ് ഏരിയ	പേര് അഡ്വക്കേറ്റ്
ചടയമംഗലം	128/2013	കൊട്ടാരക്കര	ചടയമംഗലം	325/2	0.4700	0.4700	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂട്ടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫാ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൻ, കിഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൻ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	881/2011	കൊട്ടാരക്കര	ചടയമംഗലം	328/2	0.7553	0.3806	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂട്ടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫാ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൻ, കിഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൻ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	2586/2011	കൊട്ടാരക്കര	ചടയമംഗലം	325/5	0.1990	0.1990	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂട്ടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫാ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൻ, കിഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൻ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	881/2011	കൊട്ടാരക്കര	ചടയമംഗലം	328/2-2	0.4047	0.4047	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂട്ടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫാ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൻ, കിഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൻ, പള്ളിമൺ പി.ഒ., കൊല്ലം



സബ് രജി. നമ്പർ	ഡോക്യ. നം	താലൂക്ക്	വില്ലേജ്	റീ സർവ്വേ നം.	ആകെ വിസ്തീ.	ലീസ് ഏരിയ	പേര് അഡ്രസ്സ്
ചടയമംഗലം	1259/2011	കൊട്ടാരക്കര	ചടയമംഗലം	326/1	0.0406	0.0405	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂട്ടെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, താഹിക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഫീക് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
		ആകെ			2.5414 ഹെ.	2.1667 ഹെ.	

(ഈ സാക്ഷ്യപത്രം മൈനിംഗ് & ജിയോളജി കൊല്ലം ജില്ലാ ഓഫീസിൽ ഹാജരാക്കുവാൻ നൽകിയിരിക്കുന്നു)



Counters Signed

[Handwritten signature]
16/9/23

TAFSILDAR
KOTTARAKKARA



[Handwritten signature]

ജില്ലാ ഓഫീസർ
കൊല്ലം



നം: പ്: 361/2023

വില്ലേജ് ഓഫീസ് : ചടയമംഗലം
തീയതി : 10.08.23

നോൺ അസെസ്മെന്റ് സർട്ടിഫിക്കറ്റ്

സോമനാഥൻ മകൻ ശ്രീ. ഷാജി, മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, മീരാൻ കൃണ്ണൻ മകൻ റഷീദ് എന്നിവർ ഷാ കാറി എന്ന സ്ഥാപനത്തിന്റെ പാർട്നേഴ്സ് ആണ്. ചടയമംഗലം സബ് രജിസ്ട്രാർ ഓഫീസിൽ ചുവടെ ചേർക്കുന്ന നമ്പരുകളിൽ രജിസ്ട്രേഷൻ ചെയ്ത ആധാരപ്രകാരം കൊട്ടാരക്കര താലൂക്കിൽ ചടയമംഗലം വില്ലേജിൽ റീസർവ്വേ സ്റ്റേഷൻ നമ്പർ 41-ൽ 2.5414 ഹെക്ടർ സ്ഥലത്ത് കാറിംഗ് ലീസിനായി അപേക്ഷിക്കാൻ ഉദ്ദേശിക്കുന്ന 2.1667 ഹെക്ടർ ഭൂമി റവന്യൂ വകുപ്പ് മറ്റു പ്രത്യേക ആവശ്യങ്ങൾക്ക് പതിച്ചുകൊടുത്തതല്ലെന്നും റീസർവ്വ് വനത്തിൽ ഉൾപ്പെടുന്നതല്ലെന്നും ടി വകകളിന്മേൽ കോടതി/ബാങ്ക് അറ്റാച്ച്മെന്റ് ഇല്ലായെന്നും ടി ഭൂമി ആദിവാസി വിഭാഗങ്ങൾക്ക് അവകാശപ്പെടുത്തുന്നതല്ലെന്നും ടി ഭൂമിയുടെ 200 മീറ്റർ ചുറ്റളവിൽ ആദിവാസി സെറ്റിൽമെന്റുകൾ ഇല്ലായെന്നും സാക്ഷ്യപ്പെടുത്തുന്നു.

സബ് രജി. ഓഫീസ്	ഡോക്യ. നം	താലൂക്ക്	വില്ലേജ്	റീ സർവ്വേ നം.	ആകെ വിസ്തീ.	ലീസ് ഏരിയ	പേർ അഡ്രസ്സ്
ചടയമംഗലം	1259/2011	കൊട്ടാരക്കര	ചടയമംഗലം	326/2	0.2088	0.2088	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കീഴക്കനേല പി.ഒ, പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകൃണ്ണൻ മകൻ റഷീദ് ഷെഹീക് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	1259/2011	കൊട്ടാരക്കര	ചടയമംഗലം	326	0.2301	0.2301	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കീഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകൃണ്ണൻ മകൻ റഷീദ് ഷെഹീക് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	128/2013	കൊട്ടാരക്കര	ചടയമംഗലം	325/4	0.2330	0.2330	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൽവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഫീക്ക് മൻസിൽ, കീഴക്കനേല പി.ഒ., പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകൃണ്ണൻ മകൻ റഷീദ് ഷെഹീക് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം



ANNEXURE NO: 7

Continued.....

സബ് രജി. ആഫീസ്	ഡോക്കു. നം	താലൂക്ക്	വില്ലേജ്	റീ സർവ്വേ നം.	ആകെ വിസ്തീ.	ലീസ് ഏരിയ	പേര് അഡ്രസ്സ്
ചടയമംഗലം	128/2013	കൊട്ടാരക്കര	ചടയമംഗലം	325/2	0.4700	0.4700	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൻവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഹീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ, പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	881/2011	കൊട്ടാരക്കര	ചടയമംഗലം	328/2	0.7553	0.3806	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൻവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഹീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ, പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	2566/2011	കൊട്ടാരക്കര	ചടയമംഗലം	325/5	0.1990	0.1990	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൻവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഹീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ, പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
ചടയമംഗലം	881/2011	കൊട്ടാരക്കര	ചടയമംഗലം	328/2-2	0.4047	0.4047	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിൻവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മുഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഹീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ, പാരിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം



സബ് രജി. ആഫീസ്	ഡോക്യ. നം	താലൂക്ക്	വില്ലേജ്	റീസർവ്വെ നം.	ആകെ വിസ്തീ.	ലീസ് ഏരിയ	പേര് അഡ്രസ്സ്
ചടയമംഗലം	1259/2011	കൊട്ടാരക്കര	ചടയമംഗലം	326/1	0.0405	0.0405	സോമനാഥൻ മകൻ ഷാജി, തേക്കുവിള മേല തിരുവീട്, കൂടവെട്ടൂർ പി.ഒ, കൊട്ടാരക്കര 2. മൂഹമ്മദ് മുസ്തഫ മകൻ നിസാറുദ്ദീൻ, തൗഹീക്ക് മൻസിൽ, കിഴക്കനേല പി.ഒ., പാതിപ്പള്ളി, കൊല്ലം. 3. മീരാൻകുഞ്ഞ് മകൻ റഷീദ് ഷെഹീദ് മൻസിൽ, പള്ളിമൺ പി.ഒ., കൊല്ലം
		ആകെ			2.5414 ഹെ.	2.1667 ഹെ.	

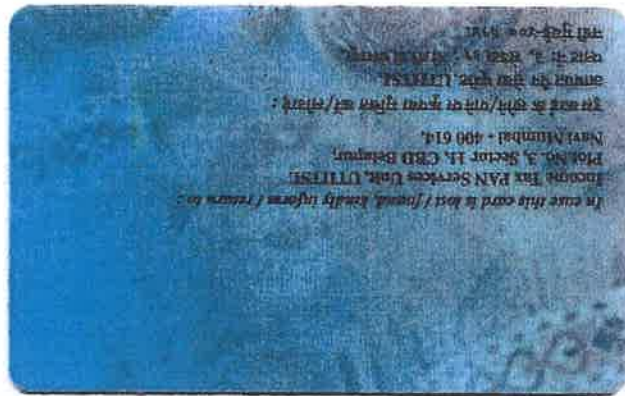
(ഈ സാക്ഷ്യപത്രം മൈനിംഗ് & ജിയോളജി കൊല്ലം ജില്ലാ ഓഫീസിൽ ഹാജരാക്കുവാൻ നൽകിയിരിക്കുന്നു)



[Handwritten Signature]
ജി.എസ്. ജി.എ.ഓ.
ചടയമംഗലം



ANNEXURE NO: 8





നമ്പർ: 236/2022-2023/C1/4144/22

തീയതി: 28-01-2023

ചടയമംഗലം ഗ്രാമപഞ്ചായത്ത്

ചടയമംഗലം പി.ഒ., കൊല്ലം (ജില്ല)

പിൻ: 691534, ഫോൺ: 4742475428, ഇ-മെയിൽ : cdimgpt@gmail.com

വ്യവസായം, വാണിജ്യം, സംരഭകത്വം, മറ്റ് സേവനങ്ങൾക്കുള്ള ലൈസൻസ്

(കെ.പി.ആർ ആക്ട് സെക്ഷൻ 232, FTE & OS ലൈസൻസ് ചട്ടങ്ങൾ 1996)

ലൈസൻസിയുടെപേര്	ശ്രീ. ഷാജി . എസ്		
ലൈസൻസിയുടെ മേൽവിലാസം	തെക്കുവീള മേലതിൽ വീട് ,കൂടവെട്ടൂർ.പി.ഒ		
സ്ഥാപനത്തിന്റെ പേരും, സ്ഥലനാമവും	ഷാ ക്വാറി ,കടന്നൂർ		
ലൈസൻസ് നൽകിയിട്ടുള്ള പ്രവർത്തനങ്ങൾ	പാറ പൊട്ടിച്ച് വില്പന നടത്തുന്നതിന്(ക്വാറി നടത്തുന്നതിന്)		
വാർഡ് നമ്പർ/കെട്ടിട നമ്പർ	VIII/325/2,352/4,325/5,326/1-1,326/1-2,326/2pt,328/3,328/2-1,328/2-2		
ലൈസൻസ് കാലാവധി	28-01-2023	മുതൽ	31-03-2026 വരെ
ലൈസൻസ് ഫീസ്	തുക	രസീത് നമ്പർ	തീയതി
	60000 /- രൂപ	1220103955	28-01-2023
	മോട്ടോർ ഫീസ്		
തൊഴിൽ നികുതി	2500 /- രൂപ	1220103955	28-01-2023



ലൈസൻസ് അനുവദിക്കുന്നതിന് ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിശദാംശങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാര സ്ഥാപനം)

- 1) SEIAA Certificate No.752/SEIAA/KL/301/2015 Valid upto 10/06/2028
- 2) PCB Certificate No. PCB/KO/CTO/R4/62/2022 Dated 05/11/2022 Valid Upto 31/05/2026
- 3) Explosive License No. E/SC/KL22/1599(E67232) Dated 29/01/2019 Valid upto 31/03/2024
- 4) Lease Agreement No. 477/2016-17/7980/M3/2015 Dated 03/11/2016 Valid upto 06/11/2024
- 5) District Collectors NOC No.L12-61441/14 Dated 07/11/2014 Possession Certificate No.66967632 Dated 06/08/2022

ഓഫീസ്



ഒപ്പ്
 ചടയമംഗലം ഗ്രാമപഞ്ചായത്ത്
 Chadayamangalam Gramapanchayat
 Ph: 94960 4931, 94714 275428



കേരളം കേരള KERALA

CP 849362

അഫീഡവറ്റ്



രണ്ടായിരത്തി ഇരുപത്തിമൂന്നാമാണ്ട് ഡിസംബർമാസം നാലാം തീയതി (04.12.2023) തീയതി മൈനിംഗ് & ജിയോളജി ഡയറക്ടർ മുമ്പാകെ ഷാ ക്വറി മാനേജിംഗ് പാർട്ണർ കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ കൂടവട്ടൂർ പി.ഒയിൽ തേക്കുവിള മേലതിൽ വീട്ടിൽ സോമനാഥൻ മകൻ ഷാജി ഷാ ക്വറിയിൽ ക്വെറിയേണ്ടി ബോധിപ്പിക്കുന്ന സത്യവാങ്മൂലം.

കൊല്ലം ജില്ലയിൽ, കൊട്ടാരക്കര താലൂക്കിൽ, ചടയമംഗലം വില്ലേജിൽ റീസർവ്വെ ബ്ലോക്ക് നമ്പർ 41-ൽ റീ സർവ്വെ നമ്പർ 326/2-ൽ 0.2088 ഹെക്ടർ, 326/3-ൽ 0.2301 ഹെ, 325/4-ൽ 0.2330 ഹെ, 325/2-ൽ 0.4700 ഹെ, 328/2-ൽ 0.3806 ഹെക്ടർ, 325/5-ൽ 0.1990 ഹെ, 328/2-2-ൽ 0.4047 ഹെ, 326/1-ൽ 0.0405 ഹെക്ടർ സ്ഥലത്ത് നിന്ന് കരിങ്കല്ല് ഖനനം ചെയ്യുന്നതിന് അനുമതി നൽകുന്ന പക്ഷം താഴെ പറയുന്ന കാര്യങ്ങൾ നിർവ്വഹിക്കാമെന്ന് ഞാൻ സമ്മതിക്കുകയും ഉറപ്പ് നൽകുകയും ചെയ്യുന്നു.



A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K1109150

M/s ഷാ ക്വറി
ഷാജി എസ്
മാനേജിംഗ് പാർട്ണർ
തേക്കുവിള മേലതിൽവീട്
കൂടവട്ടൂർ പി.ഒ, കൊട്ടാരക്കര

SHAH QUARRY

Ward No.VIII
Building No-413
CHANDHUSOCKANAN PILLAI
Reg. No. 1099/2012 (LICENCE)

8/12/23



കേരളം കേരള KERALA

CP 849363

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1. അംഗീകരിച്ച മൈനിങ് പ്ലാൻ പ്രകാരം ഖനനം നടത്തുന്നതാണ്.
2. ഖനന പ്രവർത്തനം മൂലം പരിസര മലിനീകരണവും പാരിസ്ഥിതിക പ്രശ്നങ്ങളും ഉണ്ടാകാതിരിക്കാൻ വേണ്ട ക്രമീകരണങ്ങൾ നടത്തുന്നതാണ് ഇക്കാര്യത്തിൽ ബന്ധപ്പെട്ട അധികാരികളുടെ നിർദ്ദേശങ്ങൾ പാലിക്കുന്നതാണ്.
3. സ്ഫോടക വസ്തുക്കളുടെ അമിതമായ ഉപയോഗംമൂലം പരിസര വാസികൾക്ക് എന്റെ സ്ഥാപനത്തിൽ നിന്ന് ബുദ്ധിമുട്ട് ഉണ്ടാകാത്ത തരത്തിൽ എന്റെ സ്ഥാപനത്തിന്റെപേരിലുള്ള എക്സ്പോസിവിം ലൈസൻസ് പ്രകാരം വാങ്ങിക്കുന്ന സ്ഫോടക വസ്തുക്കൾ ഉപയോഗിച്ച് മാത്രമേ ഞാൻ ഖനനം നടത്തുകയുള്ളൂ.
4. സമീപ വാസികളിൽ നിന്നും പരാതിയ്ക്ക് ഇടവരാത്ത വിധത്തിൽ മാത്രമേ ഖനന പ്രവർത്തനം നടത്തുകയുള്ളൂ.
5. ക്വാറിയിൽ ജോലി ചെയ്യുന്ന തൊഴിലാളികൾക്കും ക്വാറിയുമായി ബന്ധപ്പെട്ട പ്രവർത്തിക്കുന്നവർക്കും പൊതുജനങ്ങൾക്കും ക്വാറിംഗ് പ്രവർത്തനം മൂലം അപകടങ്ങൾ സംഭവിക്കാതിരിക്കുന്നതിന് വേണ്ടിയുള്ള സുരക്ഷാ ക്രമീകരണങ്ങൾ ക്വാറിയിലും പരിസരത്തും നടത്തുന്നതാണ്. ക്വാറിക്ക് ചുറ്റും ഫെൻസിങ് നടത്തുന്നതാണ്.



M/s ഷാ ക്വാറി
 ഷാജി എസ്
 മാനേജിംഗ് പാർട്ണർ
 തേക്കുവിള മേലതിൽവീട്
 കൂടവട്ടൂർ പി.ഒ, കൊട്ടാരക്കര

A.R. AYY
 ADVOCATE
 KOLLAM



SHAH QUARRY
 Ward No. VIII
 Building No : 413
 MADHUSOODANAN PILLAI
 Angalam,
 TENDOR/SPECIAL LICENCE: 09/2017

Handwritten signatures and dates: 4.12.22, 22.12.22, 21.12.22



കേരളം കേരल KERALA

CP 849364

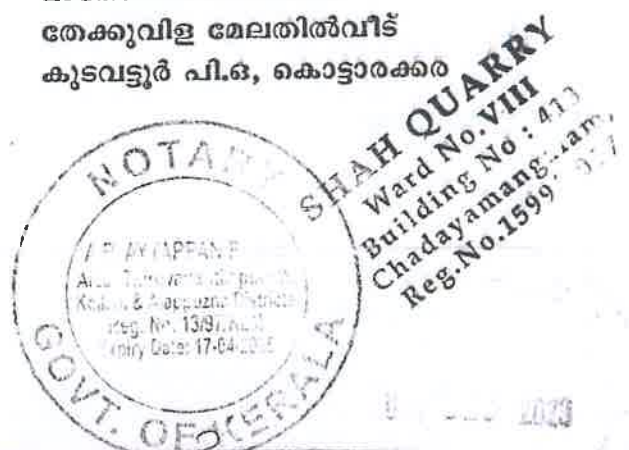
-3-

അപേക്ഷയോടൊപ്പം ഹാജരാക്കിയിരിക്കുന്ന രേഖകളിൽ ഒന്നും തന്നെ തെറ്റായ വിവരങ്ങളോ വ്യാജ രേഖകളോ ഇല്ലാത്തതാണ് അപേക്ഷയോടൊപ്പം ഹാജരാക്കിയ സമ്മതപത്രങ്ങൾക്കും നിയമസാധുതയുള്ളതാണെന്ന് ഞാൻ ഉറപ്പ് നൽകുന്നു. ഈ രേഖകളിൽ ഒപ്പിട്ടിരിക്കുന്നത് ഇതുമായി ബന്ധപ്പെട്ട വ്യക്തികൾ മാത്രമാണ്. സമ്മതപത്രം നൽകിയ വ്യക്തികൾക്ക് ഇപ്പോഴും ഇന്ത്യൻ പൗരത്വമുള്ളതാണ്. പാർണർഷിപ്പ് ഫോം സംബന്ധിച്ച് ഞാൻ ഹാജരാക്കിയ എല്ലാ രേഖകളും നിയമാനുസൃതമായതും നിലവിൽ സാധുതയുള്ളതുമാണ്. ക്വാറിയിൽ



M/s ഷാ ക്വാറി
 ഷാജി എസ്
 മാനേജിംഗ് പാർട്ണർ
 തേക്കുവിള മേലതിൽവീട്
 കൂടവട്ടൂർ പി.ഒ, കൊട്ടാരക്കര

(Handwritten signature)
 A.R. ADVOCATE
 M. FILLAL
 NOTARY



C.MADHUSOODANAN PILLAI
 TENDOR(SPECIAL LICENSE)

(Handwritten signatures and dates)
 98025
 A.12.23



കേരളം കേരल KERALA

CP 849365

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ചേർന്ന് കിടക്കുന്ന റവന്യൂ പുറമ്പോക്കിൽ നിന്നും ഞാൻ അനധികൃത
 വനനം നടത്തുന്നതല്ല. അപ്രകാരം വനനം നടത്തുന്ന പക്ഷം ആയതിന്
 ഉത്തരവാദി ഞാൻ തന്നെയാണെന്ന് എനിക്ക് ബോധ്യപ്പെട്ടിട്ടുണ്ട്. അപ്രകാരം
 വനനം നടത്തുന്ന പക്ഷം എനിക്കെതിരെ ഉണ്ടായേക്കാവുന്ന ഏതൊരു
 നടപടിക്കും ഞാൻ തടസ്സം നിൽക്കുന്നതല്ല. അപേക്ഷയോടൊപ്പം
 ഹാജരാക്കിയിരിക്കുന്ന രേഖകളിൽ തെറ്റായ വിവരങ്ങൾ ഉണ്ടെന്നോ
 ഏതെങ്കിലും രേഖകൾ വ്യാജമാമെന്നോ തെളിയുന്ന പക്ഷം ആയതിന്റെ
 പൂർണ്ണ ഉത്തരവാദിത്വം എനിക്കുതന്നെയാണെന്ന് എനിക്ക്
 ബോധ്യപ്പെട്ടിട്ടുണ്ട്. അപ്രകാരമുള്ള എന്തേതായ പ്രവൃത്തിക്കെതിരെ ഏത്
 നിയമ നടപടിയും സ്വീകരിക്കുന്നതിന് തടസ്സമില്ലാത്തും തെറ്റായ വിവരങ്ങൾ
 നൽകിയോ വ്യാജ രേഖകൾ നൽകിയോ ആണ് ഞാൻ അനുമതി
 സമ്പാദിച്ചതെന്ന് തെളിയുന്ന പക്ഷം സ്ഥാപനത്തിന് അനുവദിച്ച അനുമതി
 കൾ റദ്ദുചെയ്യുന്നതിനും എനിക്ക് പൂർണ്ണസമ്മതമാണ്. അപേക്ഷയിലും അപേ
 ക്ഷയോടൊപ്പം ബന്ധപ്പെട്ട വ്യക്തികൾ ഹാജരാക്കിയ രേഖകളിലും



I.R. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM
 K/109/80

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MADHUSOODANAN QUARRY
 No. VIII
 Gudingur, Kollam
 Chadayamangalam,
 Kollam, 12/09/2015
 Reg. No. 12/09/2015

M/s ഷാ കാറി
 ഷാജി എസ്
 മാനേജിംഗ് പാർട്ണർ
 തേക്കുവിള മേലതിൽവീട്
 കൂടവട്ടൂർ പി.ഒ, കൊട്ടാരക്കര



NOTARY

17-04-2025

OF KER

[Handwritten signatures and dates]
 A.12.23

G. MADHUSOODANAN PILLAI
 TENDOR (SPECIAL LICENCE)



കേരളം കേരल KERALA

CP 849358

സത്യവാങ്മൂലം

രണ്ടായിരത്തി ഇരുപത്തിമൂന്നാമാണ്ട് ഡിസംബർ മാസം 4-ാം തീയതി (04.12.2023) മൈനിംഗ് & ജിയോളജി ഡയറക്ടർ മുമ്പാകെ. കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ ഷാ ക്വാറി മാനേജിംഗ് പാർട്ണർ കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ കൂടവട്ടൂർ പി.ഒ യിൽ തേക്കുവിള മേലതിൽ വീട്ടിൽ സോമനാഥൻ മകൻ ഷാജി ബോധിപ്പിക്കുന്ന സത്യവാങ്മൂലം.

SHAH QUARRY
 Ward No.VIII
 Building No : 413
 Chadayamangalam,
 Reg.No.1599/2017

M/s ഷാ ക്വാറി
 ഷാജി എസ്
 മാനേജിംഗ് പാർട്ണർ
 തേക്കുവിള മേലതിൽവീട്
 കൂടവട്ടൂർ പി.ഒ
 കൊട്ടാരക്കര



(Signature)
A.R. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM
 K/109/50

(Signature)
C.MADHUSOODANAN PILLAI
 TENDON(SPECIAL LICENCE)
 KOLLAM

11 JUL 2023



(Handwritten notes and signatures)
 7.12.23
 ...
 ...



കേരളം കേരള KERALA

CP 849359

-2-

കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ ചടയമംഗലം വില്ലേജിൽ റീസർവ്വെ ബ്ലോക്ക് നമ്പർ 41 ൽ റീ.സർവ്വേ നം. 326/2 ൽ 0.2088 ഹെക്ടർ , 326 ൽ 0.2301 ഹെ, 325/4 ൽ 0.2330 ഹെ, 325/2 ൽ 0.4700 ഹെ, 328/2ൽ 0.3806 ഹെക്ടർ, 325/5 ൽ 0.1990 ഹെ, 328/2-2 ൽ, 0.4047 ഹെ, 326/1 ൽ 0.0405 ഹെക്ടർ സ്ഥലത്ത് ക്വാറിയിൽ ലിസ് അനുമതിക്കായി അപേക്ഷ സമർപ്പിച്ചിട്ടുണ്ട്.

SHAH QUARRY
Ward No.VIII
Building No : 413
Chadayamangalam,
Reg.No 1594/2017

M/s ഷാ ക്വാറി
ഷാജി എസ്
മാനേജിംഗ് പാർട്ണർ
തേക്കുവിള മേലതിൽവിട്
കൂടവട്ടൂർ പി.ഒ
കൊട്ടാരക്കര



A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K/108/80



G.MADHUSOODANAN PILLAI
TENDUR (SPECIAL LICENCE)
KOLLAM

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കേരളം കേരള KERALA

CP 849360

-3-

ഖനനത്തിനായുള്ള ദുരപരിധി സംബന്ധിച്ച ബഹുമാനപ്പെട്ട ദേശീയ ഹരിത ട്രൈബ്യൂണലിന്റെ ഉത്തരവിനെപ്പറ്റിയും ബഹുമാനപ്പെട്ട സുപ്രീം കോടതിയുടെ 25-10-2021 ലെ 12122-12123/2018 നമ്പരായുള്ള സിവിൽ അപ്പീലുകളിൽ പുറപ്പെടുവിച്ച ഉത്തരവിനെപ്പറ്റിയും എനിക്കറിവുള്ളതാണ്. എന്റെ അപേക്ഷയിൽ ലഭിക്കുന്ന

SHAH QUARRY
Ward No.VIII
Building No : 413
Chadaramangalam,
Reg. No. 13/9/2018

M/s ഷാ ക്വാറി
ഷാജി എസ്
മാനേജിംഗ് പാർട്ണർ
തേക്കുവിള മേലതിൽവീട്
കുടവട്ടൂർ പി.ഒ
കൊട്ടാരക്കര



(Signature)
A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K/109/80



(Signature)
A. 19.23
മാ. പാർട്ടണർ
ഷാജി
ഷാക്വാറി

(Signature)
S. MADHUSOODANAN PILLAI
ENDORSE(SPECIAL LICENCE)
KOLLAM




കേരളം കേരള KERALA

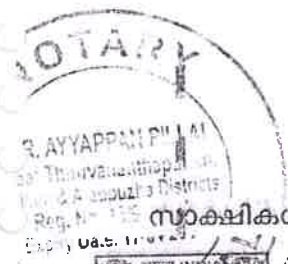
CP 849361

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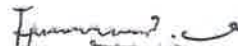
ഒന്നനാനുമതിയിൽ ഭാവിയിൽ ബഹുമാനപ്പെട്ട ദേശീയ ഹരിത ട്രൈബ്യൂണൽ/ ബഹുമാനപ്പെട്ട സുപ്രീംകോടതി/ ബഹുമാനപ്പെട്ട ഹൈക്കോടതി/സർക്കാർ എന്നിവ പുറപ്പെടുവിക്കുന്ന ഏതൊരു ഉത്തരവും പാലിച്ചുകൊള്ളാമെന്ന് ഞാൻ ഇതിനാൽ സത്യം ചെയ്തുകൊള്ളുന്നു.

SHAH QUARRY
 Ward No.VIII
 Building No : 413
 Chadayamangalam,
 Reg.No.1599/2017

M/s ഷാ ക്വാറി 
 ഷാജി എസ്
 മാനേജിംഗ് പാർട്ണർ
 തേക്കുവിള മേലതിൽവീട്
 കൂടവട്ടൂർ പി.ഒ
 കൊട്ടാരക്കര




സാക്ഷികൾ

നബ്ദുൽ അസീസ്, ഫാത്തിമ നിവാസ്, കിഴക്കനേല പി.ഒ 
 ഝകുമാർ, കേശവ വിലാസം, വേളമാനൂർ പി.ഒ 

4.12.23




 S. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM
 K140000
 C/MADHUSOODANAN PILLAI
 ATTORNEY/SPECIAL LICENCE
 KOLLAM





കേരളം KERALA

CP 849370

AFFIDAVIT

I Shaji S, Thekkuvila Melathil Veedu, Kudavattoor P.O, Kollam District, Managing Partner, Shah Quarry, Reg.No.1599/2017, Reg.Office at Ward No.VIII, Building No.413, Chadayamangalam, Kollam do here by solemnly affirm and state as follows :-

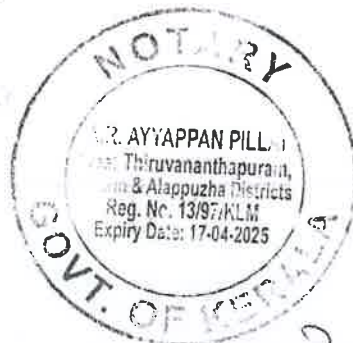
- (1) I am the Managing Partner of the Shah Quarry, Reg.No.1599/2017, Reg.Office at Ward No.VIII, Building No.413, Chadayamangalam, Kollam, and I am empowered to swear this on behalf of the firm .

SHAH QUARRY
Ward No.VIII
Building No : 413
Chadayamangalam,
Reg.No.1599/2017

Shaji S
Managing Partner
Shah Quarry,
Reg.No.1599/2017,
Reg.Office at Ward No.VIII,
Building No.413,
Chadayamangalam, Kollam



A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K/1599/2017



C/MADHUSOODANAN PILLAI
VENDOR (SPECIAL AGENCE)
KOLLAM

4.12.23

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കേരളം കേരल KERALA

CP 849371

-2-

- (2) The firm have filed the upto date Income tax returns.
- (3) The firm paid the Income Tax assessed thereon.



SHAH QUARRY
 Ward No.VIII
 Building No : 413
 Chadayamangalam,
 Reg.No.1599/2017

Shaji S
 Managing Partner
 Shah Quarry,
 Reg.No.1599/2017 ,
 Reg. Office at Ward No.VIII,
 Building No.413,
 Chadayamangalam, Kollam



A.R. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM
 K/100000



G.MADHUSOODANAN PILLAI
 VENDOR(SPECIAL LICENCE)
 KOLLAM

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കേരളം കേരल KERALA

CP 849372

-3-

(4) The firm paid the Income Tax on the basis of self assessment as per the provisions contained in the Income Tax Act 1961.

SHAH QUARRY
Ward No. VIII
Building No : 413
Chadayamangalam,
Reg.No.1599/2017

Shaji S
Managing Partner
Shah Quarry,
Reg.No.1599/2017,
Reg.Office at Ward No.VIII,
Building No.413,
Chadayamangalam, Kollam



A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K/109/80



98083
H. 12 23

C. MADHUSOODANAN PILLAI
VENDOR (SPECIAL LICENCE)
KOLLAM



കേരളം കേരल KERALA

CP 849373

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(5) What is stated above are true to the best of my knowledge and belief.
Dated this the 4th day of December 2023.



SHAH QUARRY
Ward No.VIII
Building No : 413
Chadayamangalam,
Reg.No.1599/2017

Shaji S
Managing Partner
Shah Quarry,
Reg.No.1599/2017,
Reg.Office at Ward No.VIII,
Building No.413,
Chadayamangalam, Kollam



A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM

Witness

1. Abdul Asees, Fathima Nivas. Kizhakkanelap.O, Parippally.
2. Jayakumar, Kesava Vilasom P.O, Parippally.

Handwritten signatures and dates: 4.12.23, 2023, and other illegible marks.

CHANDHUSOODANAN PILLAI,
VENDOR(SPECIAL LICENCE)
KOLLAM

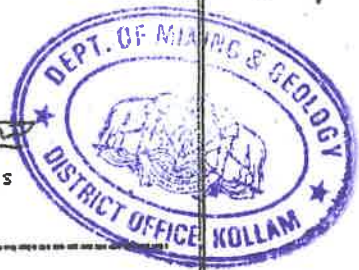
Department of Registration
Government of Kerala

ACKNOWLEDGMENT OF REGISTRATION OF FIRMS

The Registrar of Firms, Kerala, hereby acknowledges the receipt of the statements prescribed by Section 200 of the Indian Partnership Act, 1932. The statements have been filed and the name of the firm **SHAH QUARRY** has been entered in the register of firms as No. **1599/2017**

Thiruvananthapuram
Dated the **28** day of **March 2017**

[Signature]
Registrar of Firms



Filed by **NISARUDEEN.S**
THOUFEEK MANZIL, KIZHAKKENELA P.O, PARIPALLY, KOLLAM-6915

For Online Access. Username is - **1599/2017**
For first time, login password is same as username



[Signature]
V.T. ALEXANDER
Advocate, K. 201/84
Notary KLM 31/97
East of Civil Station, Kollam
Mob: 9447394622



കേരളം കേരल KERALA



PARTNERSHIP DEED

THIS DEED OF PARTNERSHIP is made on this 14th day of November 2014 between the following persons:

- 1) Shri Shaji S, son of Shri Somanathan, aged about 48 years and resident of Thekkuvila Melathil Veedu, Kudavattoor P.O, Veliyam, Kollam - 691512 of the "FIRST PART";
- 2) Shri Nisarudeen .S, son of Shri Musthafa, aged about 48 years and resident of Thoufeek Manzil, Kizhakkenela P.O., Paripally, Kollam 691574 of the "SECOND PART" and
- 3) Shri Rasheed M, son of Shri Meerankunju, aged about 59 years and resident of Shafeek Manzil, Pallimon PO, Kollam - 691576 of the "THIRD PART" witnessenth as follows:-

1

2

3



V.T. ALEXANDER
/Advocate, K.201/B4
Notary KLM 31/97
East of Civil Station, Kollam
Mob: 9447594622



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Whereas the above named parties are desirous to start a Quarry unit business engaged in the manufacturing, trading of metals, rubble and related products, selling, under the name and style of "SHAH QAURRY" at Kadanoor, Chadayamangalam and they are desirous of making out the terms and conditions governing the partnership in writing.

NOW the parties heretofore hereby execute this Deed of Partnership out of their own free will on the terms and condition noted hereunder:-

1. That the name of the partnership business shall be carried on under the name and style of "SHAH QUARRY".
2. The Head Office of the partnership business shall be at Shah Quarry Office, ward No. VIII, Building No. 413 Chadayamangalam, Kollam. The Parties hereto may change place as they deem fit from time to time
3. That the parties hereto shall work jointly in Partnership for carrying on the business of Shah Quarry Unit engaged in manufacturing, trading of metals, Rubble and related products and also dealing in selling, processing of metals at Kadanoor, Chadayamangalam. The firm may also take up business of any other nature by mutual agreement among the partners and it shall carry on its business at Chadayamangalam or other place or places as the partners may from time to time agree upon.



1.

2.

3.



V.T. ALEXANDER
Advocate, K. 201/84
Notary KLM 3197
East of Civil Station, Kollam
Mob: 9447094522

Contd/-

17. Any dispute arising out of this deed of partnership shall be settled by arbitration in accordance with the provisions of the Indian Arbitration Act.

18. The provisions of the Indian Partnership Act, 1932, shall apply as regards the matters which are not expressly provided for herein above.

In witness whereof the parties hereto have set their hands in presence of the witnesses:



PARTY OF THE FIRST PART





PARTY OF THE SECOND PART


PARTY OF THE THIRD PART

WITNESSES:-

1. **SHEMUEL R** 
Shameel Manzil
Pallimor PO, Kollam
2. **Sajeer S**
Syamalavilalam
Kudavattood P.O
Kollam



(True Copy)

V.T. ALEXANDER
Advocate, K.201/64
Notary KLM 31/97
East of Civil Station, Kollam
Mob: 9447894622



കേരളം കേരള KERALA



സമ്മതപത്രം

രണ്ടായിരത്തി ഇരുപത്തിമൂന്നാമാണ്ട് ഡിസംബർ മാസം 4-ാം തീയതി (04-12-2023) മൈനിംഗ് & ജിയോളജി ഡയറക്ടർ മുമ്പാകെ. കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ കൂടവെട്ടൂർ പി.ഒയിൽ തേക്കുവിള മേലതിൽ വീട്ടിൽ ശ്യാമനാഥൻ മകൻ ഷാജിയും 2. കൊല്ലം ജില്ലയിൽ കൊല്ലം താലൂക്കിൽ പള്ളിമൺ പി.ഒയിൽ ഷെഫീക് മൻസിലിൽ മീരാൻകുഞ്ഞ് മകൻ റഷീദും 3. കൊല്ലം ജില്ലയിൽ കൊല്ലം താലൂക്കിൽ കിഴക്കനേല പി.ഒയിൽ തൗഫീക് മൻസിൽ മുഹമ്മദ് മുസ്തഫ മകൻ നിസ്സറുദ്ദീൻ എന്നിവരുടെ പേരിൽ ചടയമംഗലം രജിസ്ട്രാ ഫീസിലെ 1259/2011-ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 326/2ൽ 0.2088

[Signature]

ഷാജി എസ്.
തേക്കുവിള മേലതിൽ വീട്
കൂടവെട്ടൂർ പി.ഒ.,
കൊട്ടാരക്കര

[Signature]

റഷീദ് എം.
ഷെഫീക് മൻസിൽ
പള്ളിമൺ പി.ഒ.,
കൊല്ലം

[Signature]

നിസാറുദ്ദീൻ
തൗഫീക് മൻസിൽ
കിഴക്കനേല പി.ഒ
പാരിപ്പള്ളി, കൊല്ലം

[Signature]
A.R. AYYAPPAN PILLAI
ADVOCATE & NOTARY
KOLLAM
K-199/00



9805
A.12.23
[Signature]

[Signature]
S.MADHUSODANAN PILLAI
VENDOR(SPECIAL AGENCE)
KOLLAM






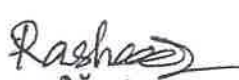
കേരളം കേരള KERALA





-2-

ഹെക്ടർ സ്ഥലവും 1259/2011 -ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 326ൽ 0.2301 ഹെക്ടറും 128/2013-ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 325/4ൽ 0.2330 ഹെക്ടർ സ്ഥലവും 128/2013-ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 325/2ൽ 0.4700 ഹെക്ടർ സ്ഥലവും 881/2011-ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ പ്രകാരം 328/2ൽ 0.7553 ഹെക്ടർ സ്ഥലവും 2566/2011-ാം നമ്പർ ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 325/5-ൽ 0.1990 ഹെക്ടർ സ്ഥലവും 881/2011-ാം നമ്പർ ആധാര പ്രകാരം റീസർവ്വെ നമ്പർ 328/2-ൽ 0.4047 ഹെക്ടർ സ്ഥലവും, 1259/2011-ാം നമ്പർ


 ഷാജി എസ്.
 തേക്കുവിള മേലതിൽ വീട്
 കൂടവെട്ടൂർ പി.ഒ.,
 കൊട്ടാരക്കര



 റഷീദ് എം.
 ഷെഹീദ് മൻസിൽ
 പള്ളിമൺ പി.ഒ.,
 കൊല്ലം


 നിഷ്കർഷ്ഠിൻ
 തൗഫീക് മൻസിൽ
 കിഴക്കനേല പി.ഒ
 പാരിപ്പള്ളി, കൊല്ലം


 A.R. AYYAPPAN PILLAI
 ADVOCATE
 KOLLAM
 K/109266



17-04-2023

98066-
 A-12-


MADHUSOODANAN PILLAI
 MENDOR(SPECIAL LICENCE)
 KOLLAM

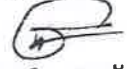


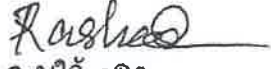
കേരളം കേരള KERALA





-3-

ആധാരപ്രകാരം റീസർവ്വെ നമ്പർ 326/1ൽ 0.0405 ഹെക്ടർ സ്ഥലവും ഉൾപ്പെടെ 2.5414 ഹെക്ടർ സ്ഥലം ഞങ്ങളുടെ കൂട്ടായ കൈവശത്തിലും കരം ഒടുക്കിയിലും ഉള്ളതാണ്. ഞങ്ങൾ കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ ചടയമംഗലം വില്ലേജിൽ ഷാകോറി എന്ന സ്ഥാപനത്തിന്റെ പാർട്ണേഴാണ്. താഴെ പറയുന്ന വസ്തുവകകൾ കൊട്ടാരക്കര താലൂക്കിൽ ചടയമംഗലം വില്ലേജിൽ ഷാകോറിക്ക് എഴുതിക്കൊടുക്കുന്ന സമ്മതപത്രം.


 ഷാജി എസ്.
 തേക്കുവിള മേലതിൽ വീട്
 കൂടവെട്ടൂർ പി.ഒ.,
 കൊട്ടാരക്കര

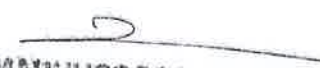

 റഷീദ് എം.
 ഷെഫീക് മൻസിൽ
 പള്ളിമൺ പി.ഒ.,
 കൊല്ലം


 നിസാറുദ്ദീൻ
 തൗഫീക് മൻസിൽ
 കിഴക്കനേല പി.ഒ
 പാരിപ്പള്ളി, കൊല്ലം


 A.R. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM



28067
 4-12-21



 G. MADHUSOODHANAN PILLAI
 TENDUR (SPECIAL AGENT)
 KOLLAM

01/12/2021

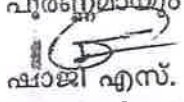


കേരളം കേരള KERALA

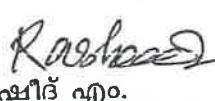
-4-

CP 849357

കൊല്ലം ജില്ലയിൽ കൊട്ടാരക്കര താലൂക്കിൽ ചടയമംഗലം വില്ലേജിൽ റീസർവ്വെ ബ്ലോക്ക് നമ്പർ 41-ൽ റീസർവ്വെ നമ്പർ 326/2-ൽ 0.2088 ഹെക്ടർ, 326ൽ 0.2301 ഹെ, 325/4-ൽ 0.2330 ഹെ, 325/2-ൽ 0.4700 ഹെ, 328/2ൽ 0.3806 ഹെക്ടർ, 325/5-ൽ 0.1990 ഹെ, 328/2-2-ൽ 0.4047 ഹെ, 326/1ൽ 0.0405 ഹെക്ടർ സ്ഥലം ഉൾപ്പെടെ 2.1667 ഹെക്ടർ സ്ഥലത്ത് നിന്ന് പാറ ഖനനം ചെയ്ത് വിൽപ്പന നടത്തുന്നതിന് മൈനിംഗ് & ജിയോളജി വകുപ്പിൽ നിന്ന് ക്വാറിയിംഗ് ലീസ് അനുവദിച്ചു എക്സിക്യൂട്ട് ചെയ്യുന്ന തീയതി മുതൽ 5 വർഷത്തേക്ക് താഴെ പേര് എഴുതി ഒപ്പിട്ടിരിക്കുന്ന രണ്ട് സാക്ഷികൾ മുമ്പാകെ സ്ഥാനസ്ഥാലെ ഞങ്ങൾ പരിണമായും സമ്മതിച്ചിരിക്കുന്നു.


 ഷാജി എസ്.

ന്റേക്കുവിള മേലതിൽ വീട്
 കൂടവെട്ടൂർ പി.ഒ.,
 കൊട്ടാരക്കര


 രാജീവ് എം.

ഷെഫീക് മൻസിൽ
 പള്ളിമൺ പി.ഒ.,
 കൊല്ലം


 നിഷ്കർഷിൻ

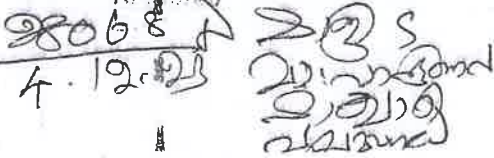
തൗഫീക് മൻസിൽ
 കിഴക്കനേല പി.ഒ
 പാരിപ്പള്ളി, കൊല്ലം

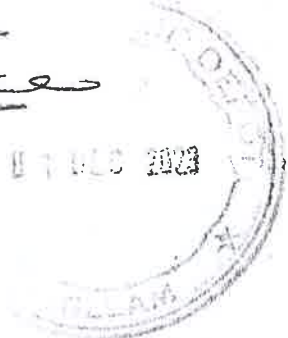
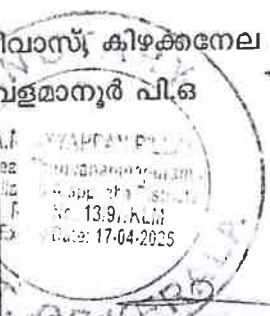
04/12/2023

സാക്ഷികൾ

1. അബ്ദുൽ അസീസ്, ഫാത്തിമ നിവാസ്, കിഴക്കനേല പി.ഒ.
2. ജയകുമാർ, കേശവ വിലാസർ, വേളമാനൂർ പി.ഒ.

A.R. AYYAPPAN PILLAI
 ADVOCATE & NOTARY
 KOLLAM
 K/1169/100

8068
 4.12.23






ANNEXURE NO:

76

KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/KO/CTO/G/712/2011

Date of issue :03/11/2022

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : PCB/KO/CTO/R4/62/2022



Ref : 1) Consent no:PCB/KO/CTO/R4/62/2021 dated 21.04.2021.

2) Affidavit dated 29.08.2022

3) Environmental Clearance Certificate order no:752/SEIAA/KL/301/2015 dated 16.07.2022

The 'Integrated Consent to Operate' issued as per reference above to M/s SHA QUARRY, SURVEY NO :328/2-1, 328/2-2, 328/3,326/1-1, 1-2, 2, 325/2,4,5, CHADAYAMANGALAM, KOLLAM is hereby renewed up to 31/05/2026 and issued to M/s SHA QUARRY, SURVEY NO :328/2-1, 328/2-2, 328/3,326/1-1, 1-2, 2, 325/2,4,5, CHADAYAMANGALAM, KOLLAM The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

S.No.	Items	Description
1	Annual fee	Rs.22000/-
2	Fee remitted	121000/-
3	Activity	Rubble @ 200 Metric tonnes/day
4	Validity	31.05.2026
5	Survey number	328/2-1, 328/2-2, 328/3,326/1-1, 1-2, 2, 325/2,4,5

II. Stack Details

Stack No.	Source of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level(In Meters)	Roof Level(In Meters)	

III. CONDITIONS



भारत सरकार
GOVERNMENT OF INDIA



നിസാറുദീൻ എസ്
Nisarudeen S
ജനന: വർഷം/യു.ബി. 1966
പുരുഷൻ Male



4937 2567 9478

- സാധാരണക്കാരന്റെ അവകാശം



आधार प्रमाण पत्र
UNIVERSAL IDENTIFICATION AUTHORITY OF INDIA

വിലാസം:
താഴ്വീട് മൻസിൽ,
അമ്പൂരി, കിഴക്കനേല
പി ഒ പാരിപ്പള്ളി
കിഴക്കനേല, കൊല്ലം
കേരളം, 691574

Address:
THOUFEEK MANZIL
AMBOORI KIZHAKKANELA
P O Parippally,
Kizhakkanela, Kollam
Kerala 691574

Aadhaar - Aam Aadmi ka Adhikar





Government of India

ഭാരതീയ സാമ്പത്തിക തിരിച്ചറിയൽ അതോറിറ്റി

ഭാരത സർക്കാർ
Unique Identification Authority of India
Government of India

പോസ്റ്റലുകൾ നമ്പർ / Enrollment No. : 2007/34512/54386

To
Rasheed M
റഷീദ് എം
S/O Meerankunju
SHAFEEK MANZIL
PALLIMAN
PALLIMAN P O
Pallimom
Kollam
Kerala - 691576

16/01/2013



KL 11433284DF
11143328



നിങ്ങളുടെ ആധാർ നമ്പർ / Your Aadhaar No. :
5915 0430 3586

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം



റഷീദ് എം
Rasheed M
അച്ഛൻ പേര്: MEERANKUNJU
Father : MEERANKUNJU
ജനന വർഷം/Year of Birth: 1954
ലിംഗം: Male

5915 0430 3586

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം

വിവരങ്ങൾ

- ആധാർ തിരിച്ചറിയലിനുള്ള മേഖലയാണ്, പരമതത്വത്തിനുള്ളതല്ല.
- തിരിച്ചറിയലിനുള്ള തെളിവ് ലഭിക്കാതെ ബാധിക്കാതെ വെളിപ്പെടുത്തുക.

INFORMATION

- Aadhaar is proof of identity, not of citizenship.
- To establish identity, authenticate online.

- ആധാർ രാജ്യത്തുടനീളം അംഗീകാരമുള്ളതാണ്.
- ഭാവിയിൽ സർക്കാർ, സർക്കാരിതര സേവനങ്ങൾ പ്രയോജനപ്പെടുത്തുന്നതിന് ആധാർ സഹായകമാകും.
- Aadhaar is valid throughout the country.
- Aadhaar will be helpful in availing Government and Non-Government services in future.



മേൽപ്പറഞ്ഞവർ: S/O Meerankunju,
ഷഫീക് മനസിൽ, ഷദ്ദീർഗോല, ഷദ്ദീർഗോല പി.ഒ.,
പല്ലിമൺ, പല്ലിമൺ, കോല്ലം, കേരളം,
691576

ഭാരതീയ സാമ്പത്തിക തിരിച്ചറിയൽ അതോറിറ്റി
GOVERNMENT OF INDIA

Address: S/O Meerankunju,
SHAFEEK MANZIL,
PALLIMAN, PALLIMAN P O,
Pallimom, Pallimom, Kollam,
Kerala-691576

1800 180 1847
Helpdesk@uidai.gov.in
www.uidai.gov.in
P.O. Box No:1847
Bangalore-560001

ANNEXURE NO: 176





ഭാരത സർക്കാർ
GOVERNMENT OF INDIA

ANNEXURE NO: 18



ഷാജി എസ്
Shaji S
അച്ഛൻ സോമനാഥൻ
Father : SOMANATHAN



ജനന വർഷം / Year of Birth: 1966
പുരുഷൻ / Male



4167 6886 4540

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം



ഭാരതീയ സവിശേഷ തിരിച്ചറിയൽ അതോറിറ്റി
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

മേൽവിലാസം, തെക്കുവിള മലയിൽ
ആശാൻ മുക്ക്, കുടവട്ടൂർ, ഓടനാവട്ടം
കുടവട്ടൂർ, കൊല്ലം, കേരളം, 691512

Address: THEKKUVILA
MELATHIL, ASHAN MUKKU,
KUDAVATTOOR,
Odanavattam, Kudavattur,
Kollam, Kerala, 691512

1800 180 1947

help@uidai.gov.in

www.uidai.gov.in

P.O. Box No.1947,
Bengaluru-560 001

ANNEXURE NO: 19



आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA

SHAJI S
SOMANATHAN
29/05/1966

Permanent Account Number
CZEPS8391B



*In case this card is lost / found, kindly inform / return to
Income Tax PAN Services Unit, UTITSL,
Plot No. 3, Sector 11, CBD Belapur,
Navi Mumbai - 400 614*

*इस कार्ड के खोने/पान पर कृपया सूचित करें/वापस करें :
आयकर पैन सेवा यूनिट, ए. टी. टी. एस. लि.,
प्लॉट नं. 3, सेक्टर 11, सी. बी. डी. बेलपुर,
नवी मुंबई - 400 614*

Handwritten signature and date: 28/05/2018



ANNEXURE NO:

26

GOVERNMENT OF KERALA

DEPARTMENT OF MINING AND GEOLOGY

Directorate of Mining and Geology, Pattom Palace PO,
Kesavadasapuram, Thiruvananthapuram-695004, Kerala
www.dmg.kerala.gov.in



FORM Q

**CERTIFICATE OF RECOGNITION AS QUALIFIED PERSON TO PREPARE
MINING PLANS FOR QUARRYING MINOR MINERALS IN KERALA**

(Issued under Rule 54 of the Kerala Minor Mineral Concession Rules, 2015)

**Shri. V.K. Roy, S/O Shri. G. Vamadevan, 'SaraI', T.C. 27/487(2),
Swaraj Lane, R.C Junction, Kunnukuzhy, Thiruvananthapuram –
695 035, Kerala,** having given satisfactory evidence of his qualification and
experience is hereby granted **RECOGNITION** under Rule 54 of the Kerala
Minor Mineral Concession Rules, 2015 as qualified person to prepare Mining
Plans for quarrying minor minerals in Kerala.

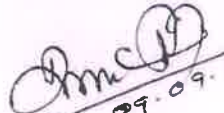
The registration number is DMG/KERALA/RQP/4/2016

This recognition is valid for a period of 10 years ending 08/09/2026


Photograph of RQP

Signature of RQP




09.09.2016
T. K. Ramakrishnan
DIRECTOR OF MINING AND GEOLOGY [I/C]

Place: Thiruvananthapuram
Date: 09-09-2016



PLATES

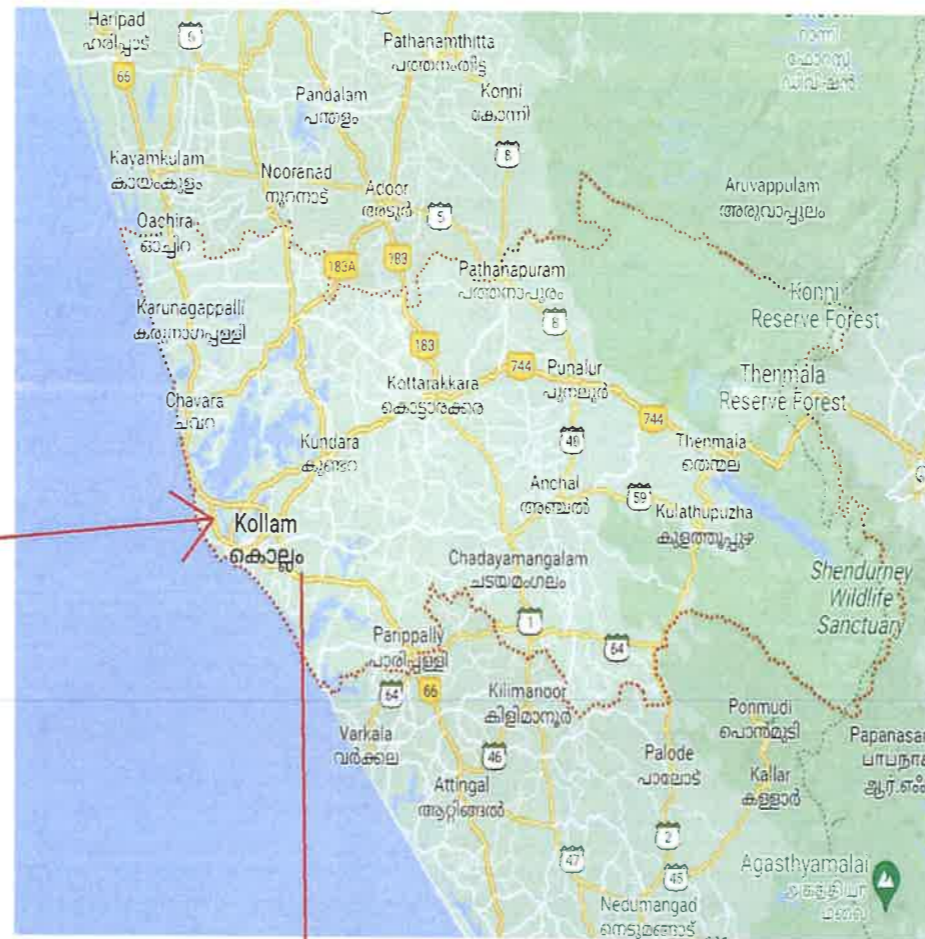
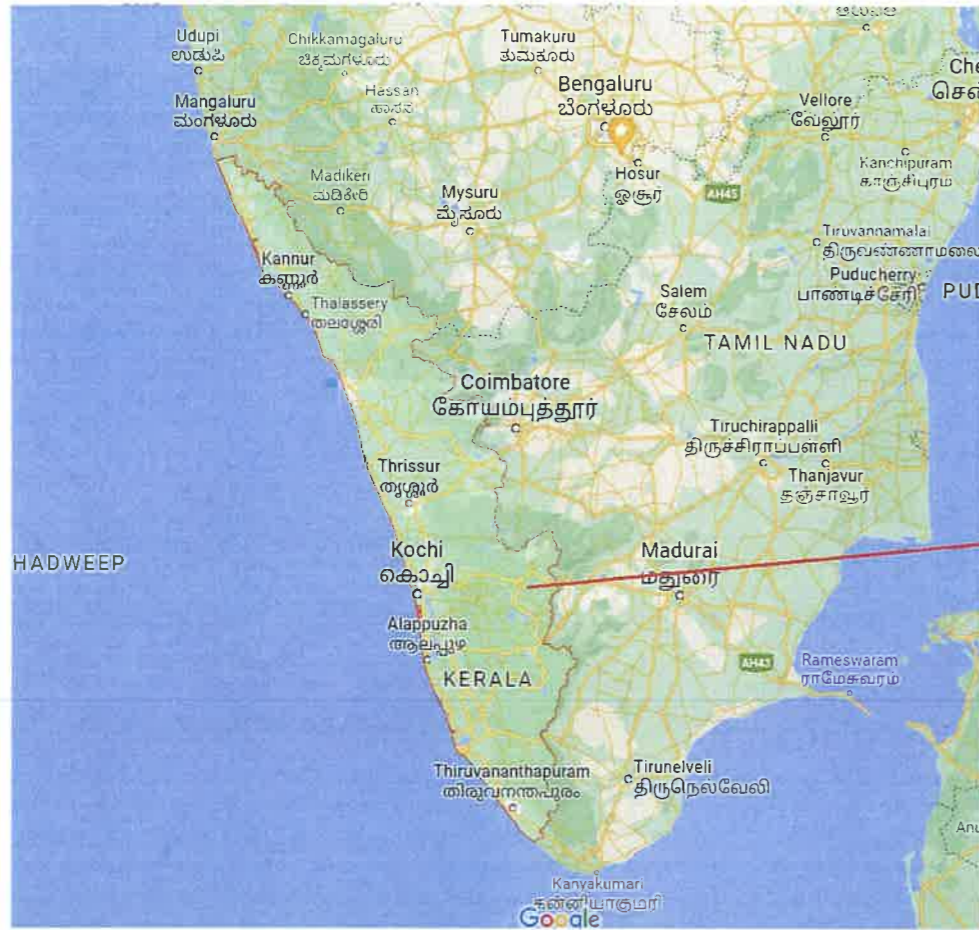
PLATE NO. 1

VILLAGE - CHADAYAMANGALAM
TALUK - KOTTARAKKARA
DISTRICT - KOLLAM
SURVEY NO. - 328/2,328/2-2, 325/2,325/4,
 325/5,326, 326/1 & 326/2
LEASE AREA - 2.1667 Ha.



KEY PLAN

APPLICANT
SHAH QUARRY
SHAJI S (MANAGING PARTNER)
THEKKUVILA MELATHIL VEEDU,
KUDAVATTOOR P.O,
KOTTARAKKARA, KOLLAM
KERALA- 691 512



APPLICANT

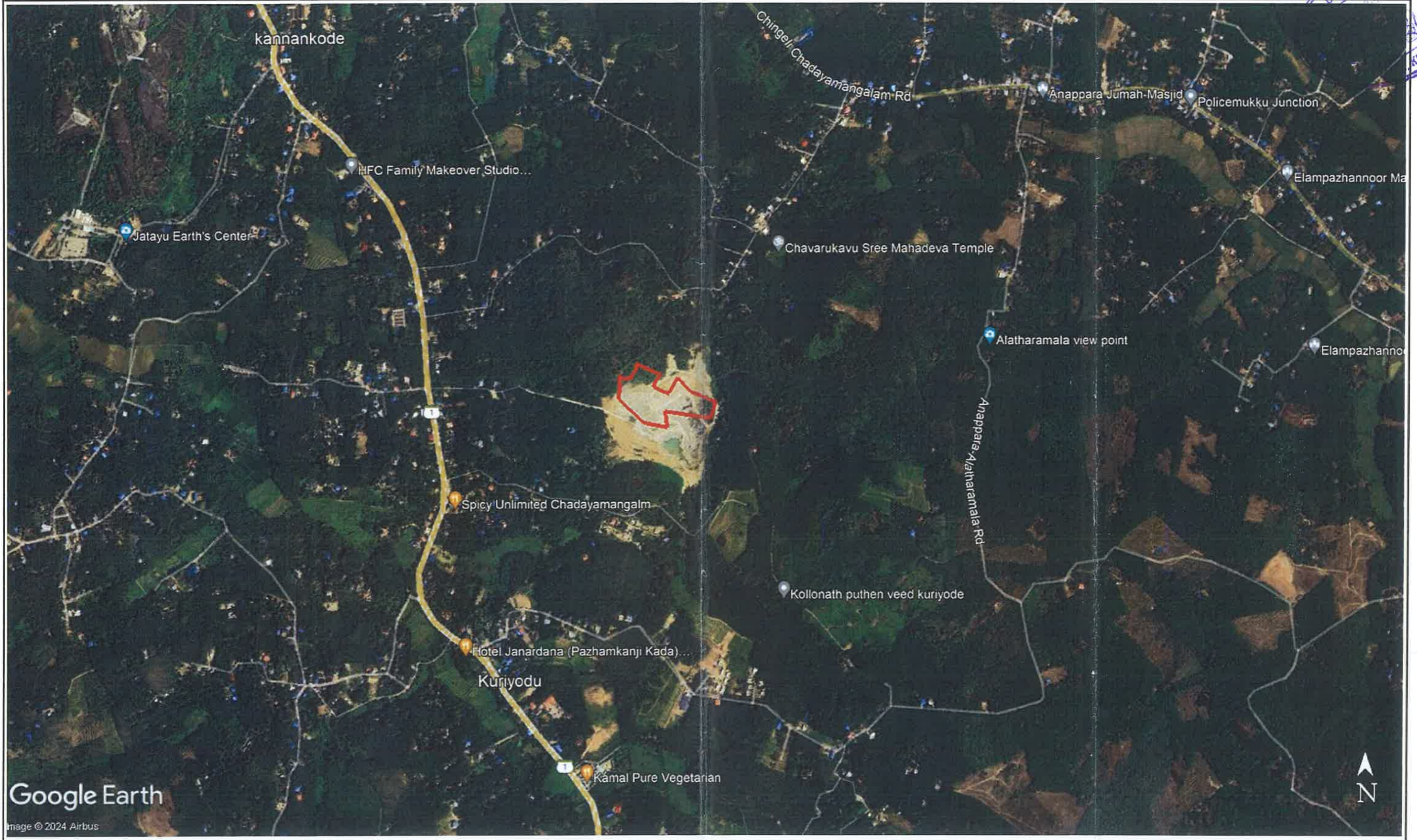
SHAH QUARRY
SHAJI S (MANAGING PARTNER)
THEKKUVILA MELATHIL VEEDU,
KUDAVATTOOR P.O,
KOTTARAKKARA, KOLLAM
KERALA- 691 512

PLATE NO. 2

LOCATION AND VICINITY MAP

 LEASE BOUNDARY

VILLAGE - CHADAYAMANGALAM
TALUK - KOTTARAKKARA
DISTRICT - KOLLAM
SURVEY NO. - 328/2,328/2-2, 325/2,325/4,
325/5,326, 326/1 & 326/2
LEASE AREA - 2.1667 Ha.



Google Earth

Image © 2024 Airbus



APPLICANT





SHAH QUARRY
SHAJI S (MANAGING PARTNER)
THEKKUVILA MELATHIL VEEDU,
KUDAVATTOOR P.O,
KOTTARAKKARA, KOLLAM
KERALA- 691 512

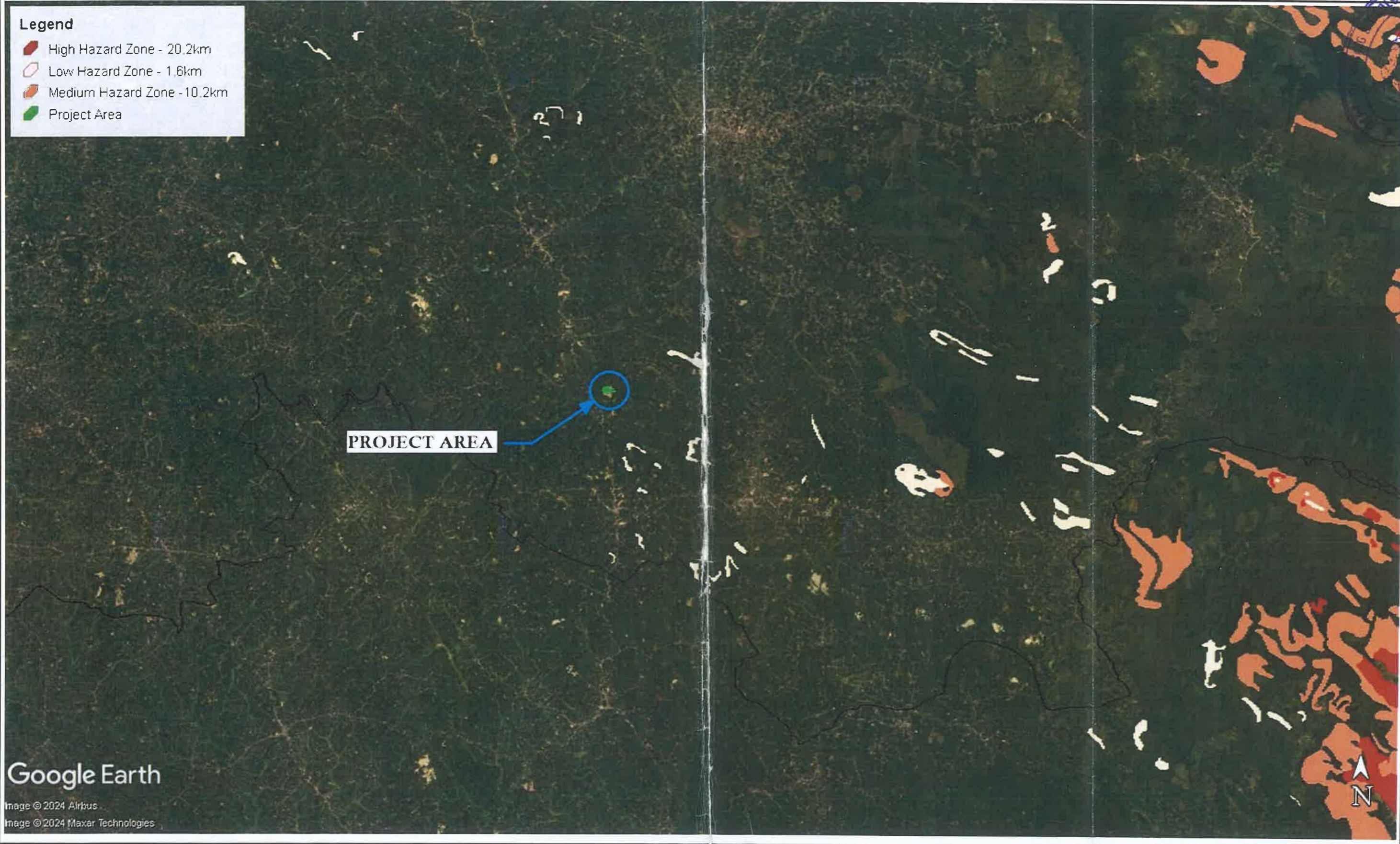
PLATE - 2A

HAZARD ZONATION MAP

VILLAGE - CHADAYAMANGALAM
TALUK - KOTTARAKKARA
DISTRICT - KOLLAM
SURVEY NO. - 328/2,328/2-2, 325/2,325/4,
325/5,326, 326/1 & 326/2
LEASE AREA - 2.1667 Ha.

Legend

-  High Hazard Zone - 20.2km
-  Low Hazard Zone - 1.6km
-  Medium Hazard Zone - 10.2km
-  Project Area



Google Earth

Image © 2024 Airbus
Image © 2024 Maxar Technologies



No: 291/2023 B5-5602/17

DISTRICT: KOLLAM

TALUK : KOTTARAKKARA

VILLAGE: CHADAYAMANGALAM

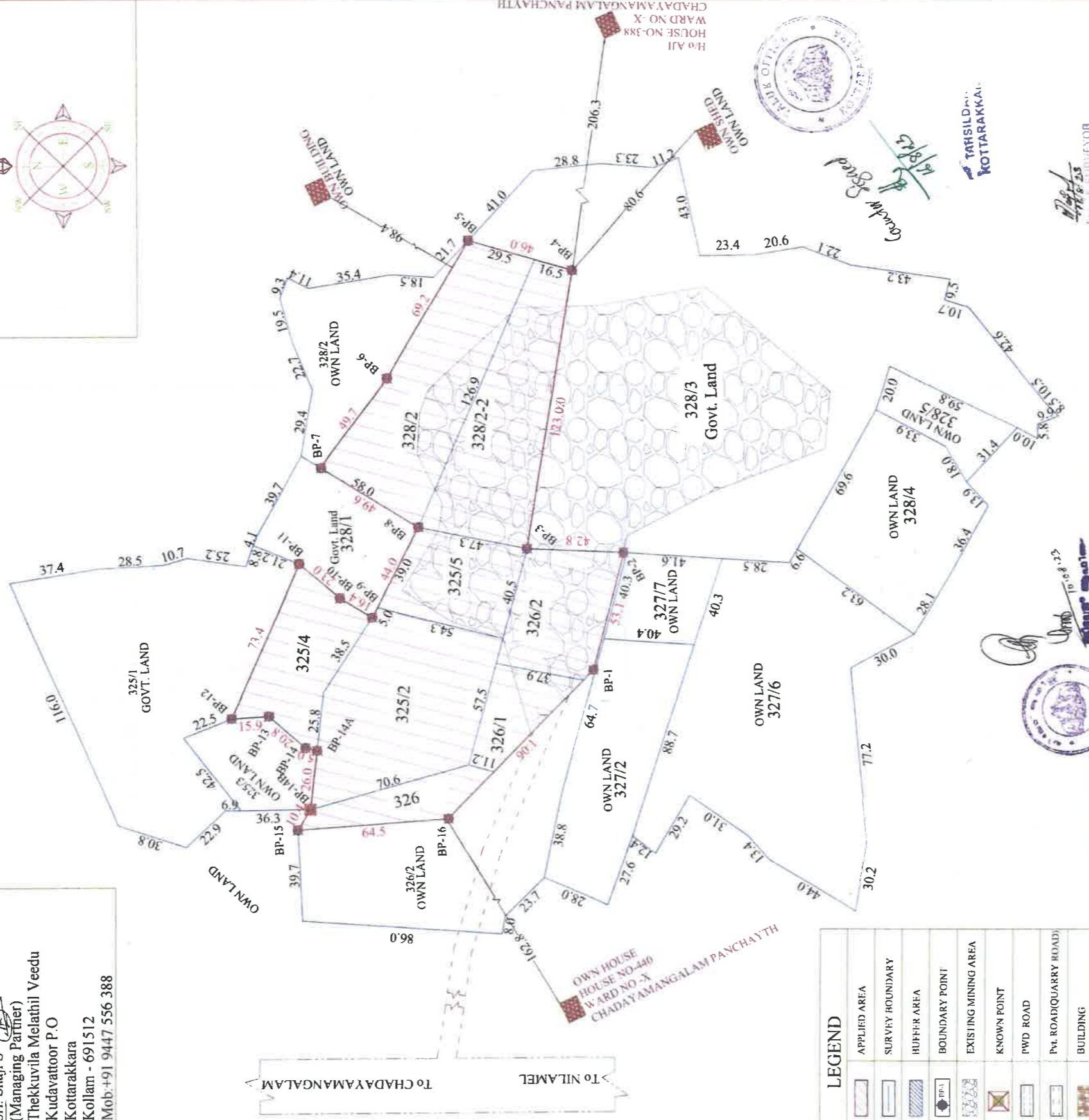
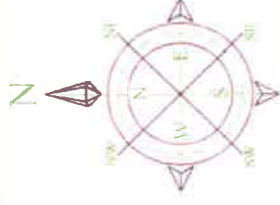
ADDRESS OF APPLICANT

M/s SHAH QUARRY
 Represented By:
 Sri. Shaji S
 (Managing Partner)
 Thekkuvila Melathil Veedu
 Kudavattoor P.O
 Kottarakkara
 Kollam - 691512
 Mob.+91 9447 556 388

BLOCK : 41

RE-SY.No. : 328/2,328/2-2,
 325/2,325/4,325/5,326,
 326/1 & 326/2

APPLIED AREA : 2.1667 Ha



LEGEND

[Symbol]	APPLIED AREA
[Symbol]	SURVEY BOUNDARY
[Symbol]	BUFFER AREA
[Symbol]	BOUNDARY POINT
[Symbol]	EXISTING MINING AREA
[Symbol]	KNOWN POINT
[Symbol]	PWD ROAD
[Symbol]	P.W. ROAD/QUARRY ROAD
[Symbol]	BUILDING

PROPERTY DETAILS

SL.NO	NAMES OF DOCUMENT OWNER	TP.NO	DOC.NO	SY.NO.	POSSESSION IN HECTARES	ENCUMBERED AREA IN HECTARES	APPLIED AREA IN HECTARES	AREA ALREADY UNDER QUARRING
1	SHAJI,RASHEED & NISARUDEEN	7495	2566/11	325/5	0.1990	0.0000	0.1990	0.1238 Ha / 18570.0 M ³
2	SHAJI,RASHEED & NISARUDEEN	7971	128/13	325/2	0.4700	0.0000	0.4700	NIL
3	SHAJI,RASHEED & NISARUDEEN	7971	128/13	325/4	0.2330	0.0000	0.2330	NIL
4	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326	0.2301	0.0000	0.2301	0.2129 Ha / 25548.0 M ³
5	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326/1	0.0405	0.0000	0.0405	NIL
6	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326/2	0.2088	0.0000	0.2088	NIL
7	SHAJI,RASHEED & NISARUDEEN	7396	881/11	328/2-2	0.4047	0.0000	0.4047	0.9357 Ha / 74856.0 M ³
8	SHAJI,RASHEED & NISARUDEEN	7396	881/11	328/2	0.7553	0.3747	0.3806	
TOTAL					2.5414 Ha	0.3747 Ha	2.1667 Ha	1.2724 Ha / 118974.0 M³

This sketch is prepared based on FMB
 ALL DIMENSIONS ARE IN METERS

SCALE - 1:1500(A2)

THIS PLAN IS ISSUED TO SUBMIT BEFORE MINING & GEOLOGY DEPARTMENT / DISTRICT LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY - KOLLAM

PLATE NO: 2B



APPLICANT

SHAH QUARRY
SHAJI S (MANAGING PARTNER)
THEKKUVILA MELATHIL VEEDU,
KUDAVATTOOR P.O.,
KOTTARAKKARA, KOLLAM
KERALA- 691 512

PLATE NO-3

GOOGLE IMAGE

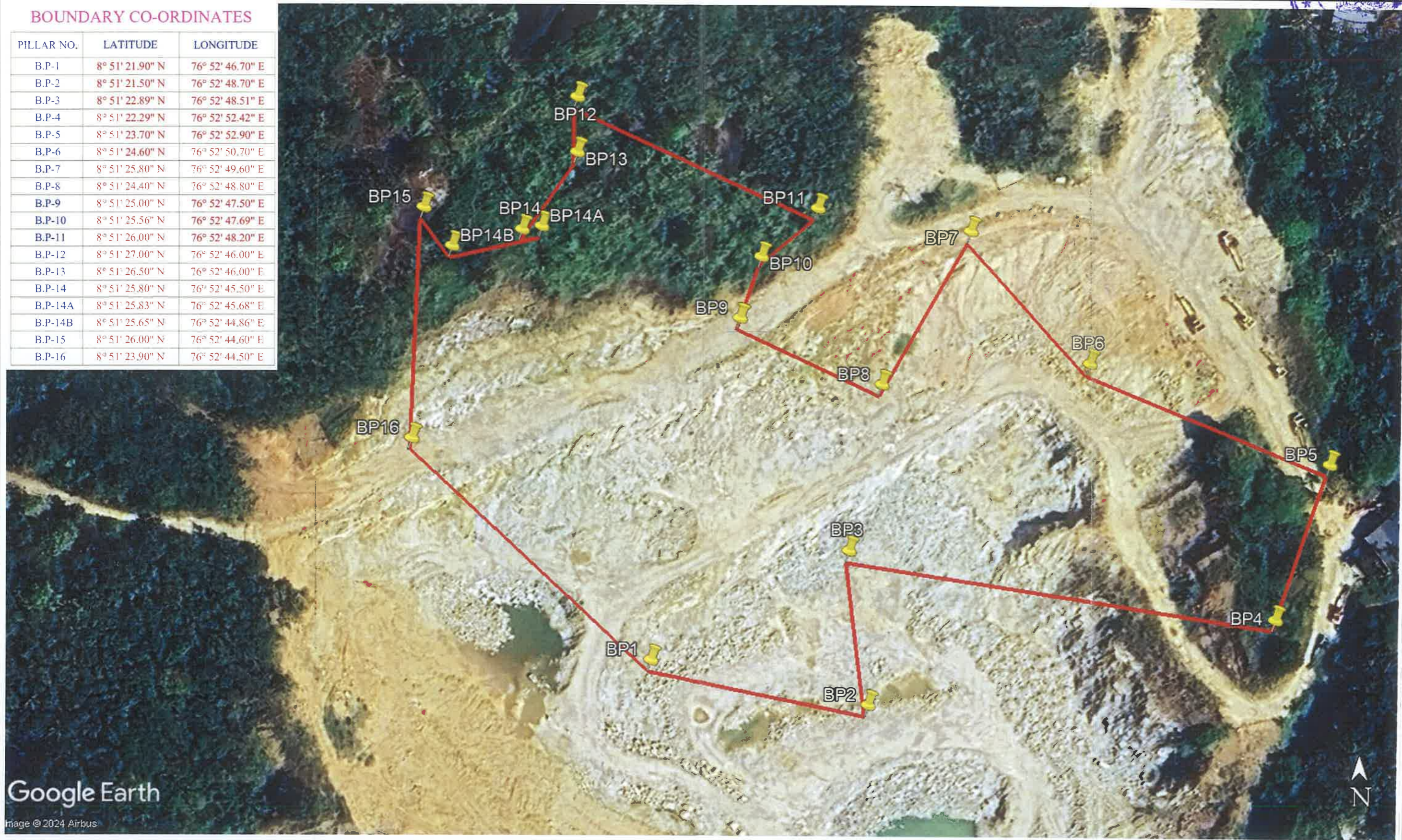
 LEASE BOUNDARY

VILLAGE - CHADAYAMANGALAM
TALUK - KOTTARAKKARA
DISTRICT - KOLLAM
SURVEY NO. - 328/2,328/2-2, 325/2, 325/2-2, 325/5,326, 326/1 & 326/2
LEASE AREA - 2.1667 Ha.



BOUNDARY CO-ORDINATES

PILLAR NO.	LATITUDE	LONGITUDE
B.P-1	8° 51' 21.90" N	76° 52' 46.70" E
B.P-2	8° 51' 21.50" N	76° 52' 48.70" E
B.P-3	8° 51' 22.89" N	76° 52' 48.51" E
B.P-4	8° 51' 22.29" N	76° 52' 52.42" E
B.P-5	8° 51' 23.70" N	76° 52' 52.90" E
B.P-6	8° 51' 24.60" N	76° 52' 50.70" E
B.P-7	8° 51' 25.80" N	76° 52' 49.60" E
B.P-8	8° 51' 24.40" N	76° 52' 48.80" E
B.P-9	8° 51' 25.00" N	76° 52' 47.50" E
B.P-10	8° 51' 25.56" N	76° 52' 47.69" E
B.P-11	8° 51' 26.00" N	76° 52' 48.20" E
B.P-12	8° 51' 27.00" N	76° 52' 46.00" E
B.P-13	8° 51' 26.50" N	76° 52' 46.00" E
B.P-14	8° 51' 25.80" N	76° 52' 45.50" E
B.P-14A	8° 51' 25.83" N	76° 52' 45.68" E
B.P-14B	8° 51' 25.65" N	76° 52' 44.86" E
B.P-15	8° 51' 26.00" N	76° 52' 44.60" E
B.P-16	8° 51' 23.90" N	76° 52' 44.50" E

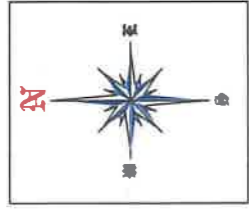


Google Earth

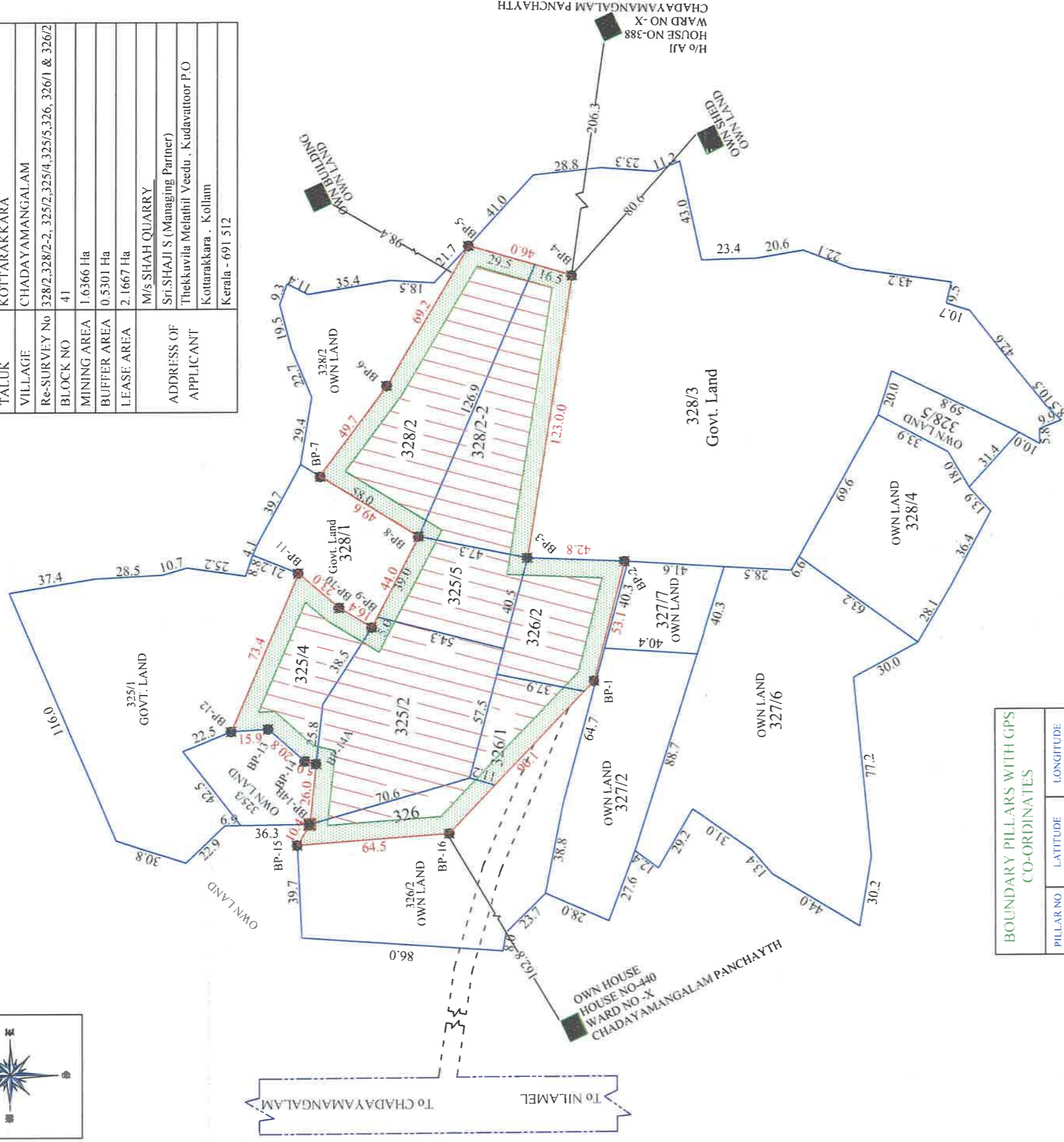
Image © 2024 Airbus

PLATE NO : 4

SURVEY MAP WITH GPS COORDINATES



LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
	M/s SHAH QUARRY
ADDRESS OF APPLICANT	Sri.SHAJI S (Managing Partner) Thekkuvila Melathil Veedu , Kudavattoor P.O Kottarakkara , Kollam Kerala - 691 512



BOUNDARY PILLARS WITH GPS CO-ORDINATES

PILLAR NO	LATITUDE	LONGITUDE
B P-1	8° 51' 21.90" N	76° 52' 46.70" E
B P-2	8° 51' 21.50" N	76° 52' 48.70" E
B P-3	8° 51' 22.80" N	76° 52' 48.51" E
B P-4	8° 51' 22.20" N	76° 52' 52.42" E
B P-5	8° 51' 23.70" N	76° 52' 52.90" E
B P-6	8° 51' 24.00" N	76° 52' 50.70" E
B P-7	8° 51' 25.80" N	76° 52' 49.60" E
B P-8	8° 51' 24.40" N	76° 52' 48.80" E
B P-9	8° 51' 25.00" N	76° 52' 47.50" E
B P-10	8° 51' 25.50" N	76° 52' 47.00" E
B P-11	8° 51' 26.00" N	76° 52' 48.20" E
B P-12	8° 51' 27.00" N	76° 52' 46.00" E
B P-13	8° 51' 26.50" N	76° 52' 46.00" E
B P-14	8° 51' 25.80" N	76° 52' 45.50" E
B P-14A	8° 51' 25.83" N	76° 52' 45.68" E
B P-14B	8° 51' 25.65" N	76° 52' 44.86" E
B P-15	8° 51' 26.00" N	76° 52' 44.00" E
B P-16	8° 51' 25.60" N	76° 52' 44.50" E



LEGEND	
[Red line]	LEASE BOUNDARY
[Blue line]	SURVEY BOUNDARY
[Green hatched]	BUFFER AREA
[Black dot]	BOUNDARY POINT
[Red hatched]	MINING AREA
[Yellow triangle]	KNOWN POINT
[Grey line]	PWD ROAD
[Blue line]	P.W. ROAD/QUARRY ROAD
[Green rectangle]	BUILDING

PROPERTY DETAILS

SL NO	NAMES OF DOCUMENT OWNER	TP NO	DOC NO	SY.NO.	POSSESSION IN HECTARES	THEFTICID AREA IN HECTARES	APPLICED AREA IN HECTARES	AREA AVAILABLE UNDER ALIENATION
1	SHAJI,RASHEED & NISARUDEEN	7495	2566/11	325/5	0.1990	0.0000	0.1990	0.1238 Ha / 185700 M ²
2	SHAJI,RASHEED & NISARUDEEN	7971	1287/3	325/2	0.4700	0.0000	0.4700	NIL
3	SHAJI,RASHEED & NISARUDEEN	7971	1287/3	325/4	0.2330	0.0000	0.2330	NIL
4	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326	0.2301	0.0000	0.2301	0.2129 Ha / 355400 M ²
5	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326/1	0.0405	0.0000	0.0405	NIL
6	SHAJI,RASHEED & NISARUDEEN	7488	1259/11	326/2	0.2088	0.0000	0.2088	NIL
7	SHAJI,RASHEED & NISARUDEEN	7396	881/11	328/2-2	0.4047	0.0000	0.4047	0.9357 Ha / 748000 M ²
8	SHAJI,RASHEED & NISARUDEEN	7396	881/11	328/2	0.7553	0.3747	0.3806	1.2724 Ha / 11897400 M ²
				TOTAL	2.5414 Ha	0.3747 Ha	2.1667 Ha	



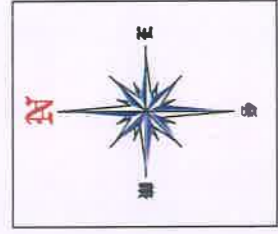
(Signature)
V.K. ROY
 GEOLOGIST & RQP
 DMG/KERALA/RQP/4/2016
 Fr. IBM RQP/BNG/150/2000A
 QUALITY COUNCIL OF INDIA
 LIFE MEMBER: LM/67432020-01-30/2020-30
 e-mail id: vkroysara@gmail.com
 Contact no: 9387805668 / 9961125000

V.K ROY
 RQP
 DMG/KERALA/RQP/4/2016

PLATE NO : 5

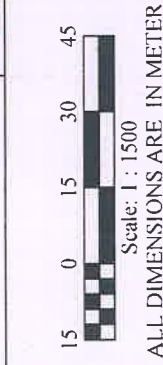
SURFACE GEOLOGICAL PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2, 328/2-2, 325/2, 325/4, 325/5, 326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
	M/s SHAH QUARRY
ADDRESS OF APPLICANT	Sri SHAJI S (Managing Partner) Thekkuvila Melathil Veedu, Kudavattoor P O Kottarakkara, Kollam Kerala - 691 512



LEGEND:-

LEASE BOUNDARY-	---	TOP SOIL	
BUFFER ZONE (7.5m wide)		MINED AREA	
BOUNDARY PILLAR	BP-2	BENCH CUTTING	
CONTOUR		BUILDING	
SURVEY NUMBER	326/2		
PRIVATE ROAD	---		
SPOT LEVEL	84.406		



DRAWN BY: ANEESH K



V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Fr. IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysaral@gmail.com
Contact no: 9387805668 / 9961125000

V.K ROY
RQP
DMG/KERALA/RQP/4/2016

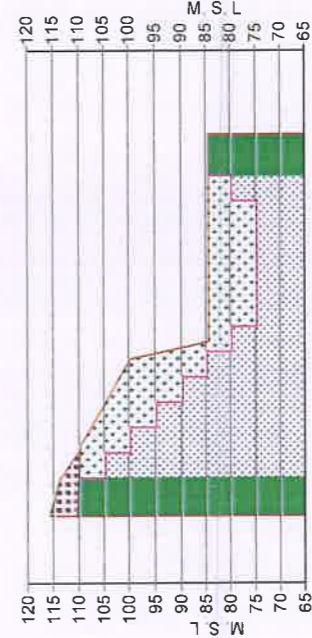
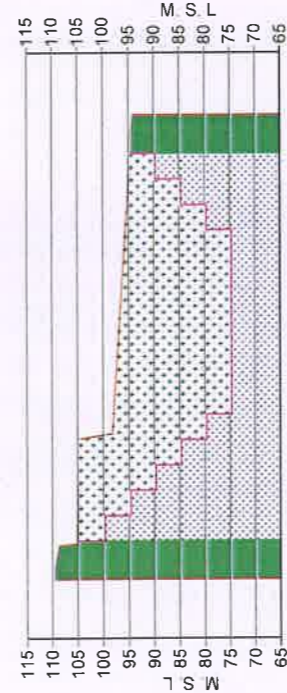
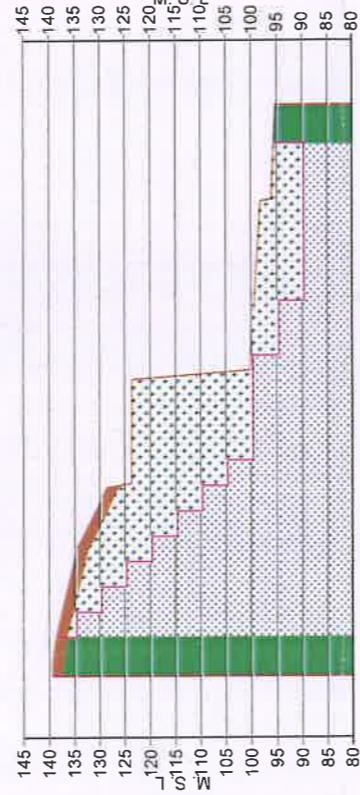
PLATE NO : 6

SURFACE GEOLOGICAL SECTIONS

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha

M/s SHAH QUARRY
Sri SHAJI S (Managing Partner)
Thekkuvila Melathil Veedu, Kudavattoor P.O
Kottarakkara, Kollam
Kerala - 691 512

ADDRESS OF APPLICANT



LEGEND:-

LEASE BOUNDARY-	
BUFFER ZONE (7.5m wide)	
MEAN SEA LEVEL	145 - 80
BLOCKED RESERVES	
BENCH	
TOP SOIL	
MINEABLE RESERVES	



DRAWN BY: ANEESH K

(Signature)

V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Pr: IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysaral@gmail.com
Contact no: 9387805668 / 9961125000

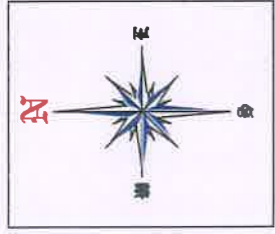


V.K ROY
RQP
DMG/KERALA/RQP/4/2016

PLATE NO : 7

YEAR WISE DEVELOPMENT & PRODUCTION PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2, 328/2-2, 325/2, 325/4, 325/5, 326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
	M/s SHAH QUARRY
	Sri. SHAJI S (Managing Partner)
ADDRESS OF APPLICANT	Thekkuvila Melathil Veedu, Kudavattoor P O Kottarakkara, Kollam Kerala - 691 512



LEGEND:-

LEASE BOUNDARY-		BENCH CUTTING	
BUFFER ZONE (7.5m wide)		MINED AREA	
BOUNDARY PILLAR	BP-2	BUILDING	
CONTOUR			
SURVEY NUMBER	326/2		
PRIVATE ROAD	---		
SPOT LEVEL	84.46		



DRAWN BY: ANEESH K



V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Fr: IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysara@gmail.com
Contact no: 9387805668 / 9961125800

1 st YEAR (75,000 MT)	
2 nd YEAR (75,000 MT)	
3 rd YEAR (75,000 MT)	
4 th YEAR (75,000 MT)	
5 th YEAR (75,000 MT)	

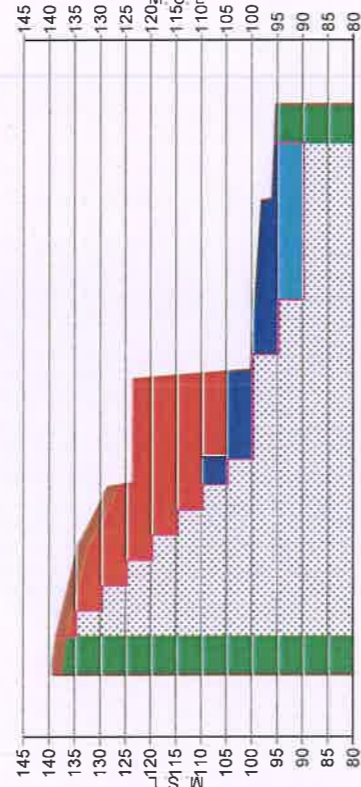
V.K ROY
RQP
DMG/KERALA/RQP/4/2016

PLATE NO : 8

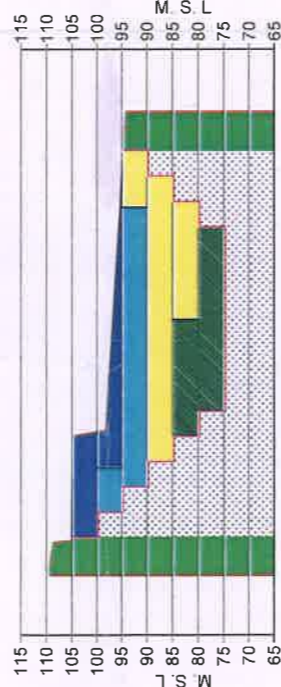
YEAR WISE DEVELOPMENT & PRODUCTION SECTIONS

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha

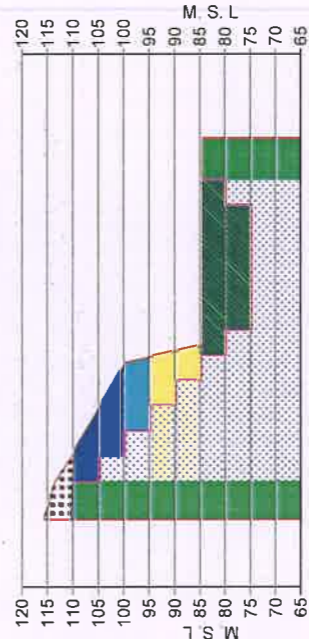
M/s SHAH QUARRY
Sri SHAJI S (Managing Partner)
Thekkuvila Melathil Veedu , Kudavattoor P O
Kottarakkara , Kollam
Kerala - 691 512
ADDRESS OF APPLICANT



SECTION A-A'



SECTION B-B'



SECTION C-C'

1 st YEAR (75,000 MT)
2 nd YEAR (75,000 MT)
3 rd YEAR (75,000 MT)
4 th YEAR (75,000 MT)
5 th YEAR (75,000 MT)

LEGEND:-

LEASE BOUNDARY-	
BUFFER ZONE (7.5m wide)	
MEAN SEA LEVEL	145 - 80
BLOCKED RESERVES	
BENCH	
TOP SOIL	



DRAWN BY: ANEESH K

V.K. ROY
GEOLOGIST & RQP
DMG/KERALA/RQP/4/2016
Fr. IBM RQP/BNG/150/2000A
QUALITY COUNCIL OF INDIA
LIFE MEMBER: LM/67432020-01-30/2020-30
e-mail id: vkroysaral@gmail.com
Contact no: 9387805668 / 9961125000

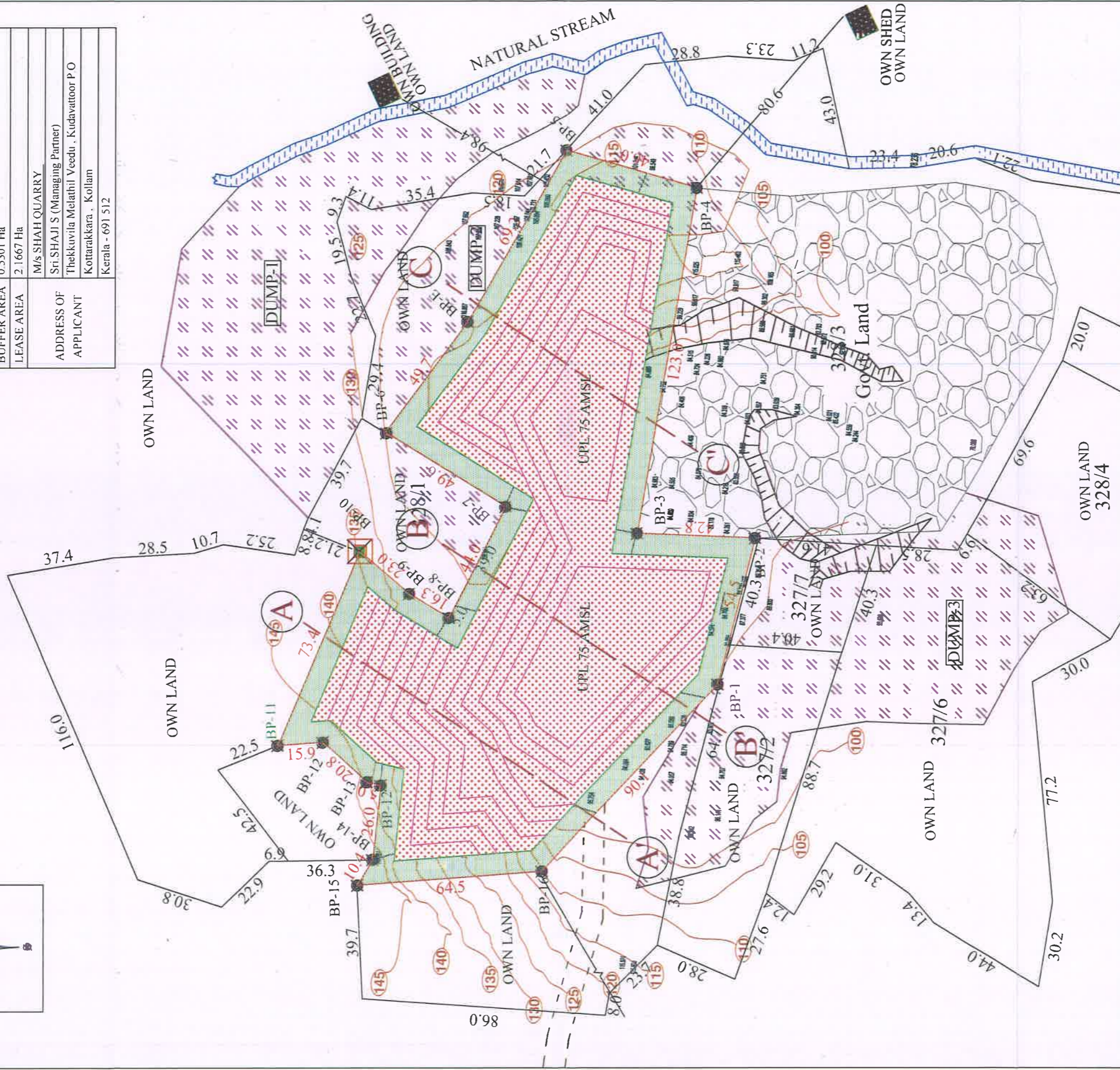
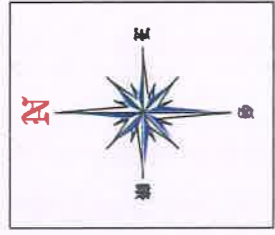


V.K ROY
RQP
DMG/KERALA/RQP/4/2016

PLATE NO : 9

CONCEPTUAL MINING PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
	M/s SHAH QUARRY
ADDRESS OF APPLICANT	Sri SHAJI S (Managing Partner) Thekkuvila Melathil Veedu , Kidavattoor P O Kottarakkara , Kollam Kerala - 691 512



LEGEND:-

LEASE BOUNDARY-		ULTIMATE PIT LEVEL	
BUFFER ZONE (7.5m wide)		MINED AREA	
BOUNDARY PILLAR	BP-2	BENCH CUTTING	
CONTOUR		BUILDING	

SURVEY NUMBER	326/2
PRIVATE ROAD	---
SPOT LEVEL	84.466

DRAWN BY: ANEESH K

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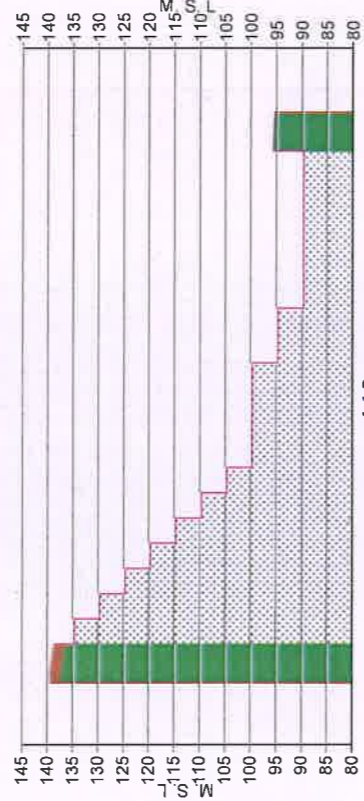
PLATE NO : 10

CONCEPTUAL MINING SECTIONS

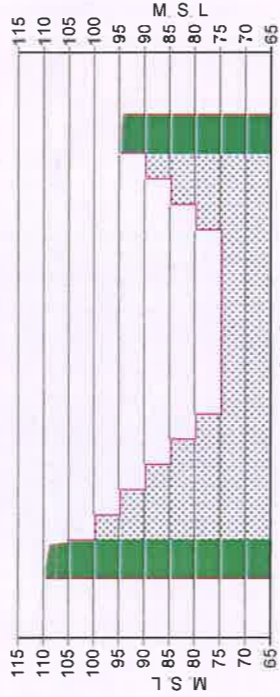
LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha

M/s SHAH QUARRY
Sri SHAJI S (Managing Partner)
Thekkuvila Melathil Veedu , Kudavattoor P.O
Kottarakkara . Kollam
Kerala - 691 512

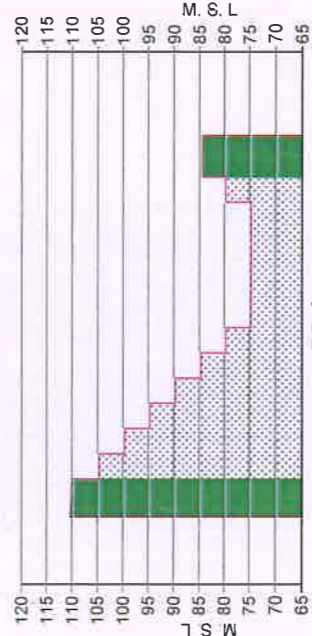
ADDRESS OF APPLICANT



113
SECTION A-A'



91.9
SECTION B-B'



75.6
SECTION C-C'

LEGEND:-

LEASE BOUNDARY-	
BUFFER ZONE (7.5m wide)	
MEAN SEA LEVEL	145 - 80
BLOCKED RESERVES	
BENCH	
TOP SOIL	



ALL DIMENSIONS ARE IN METER

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PLATE NO : 11

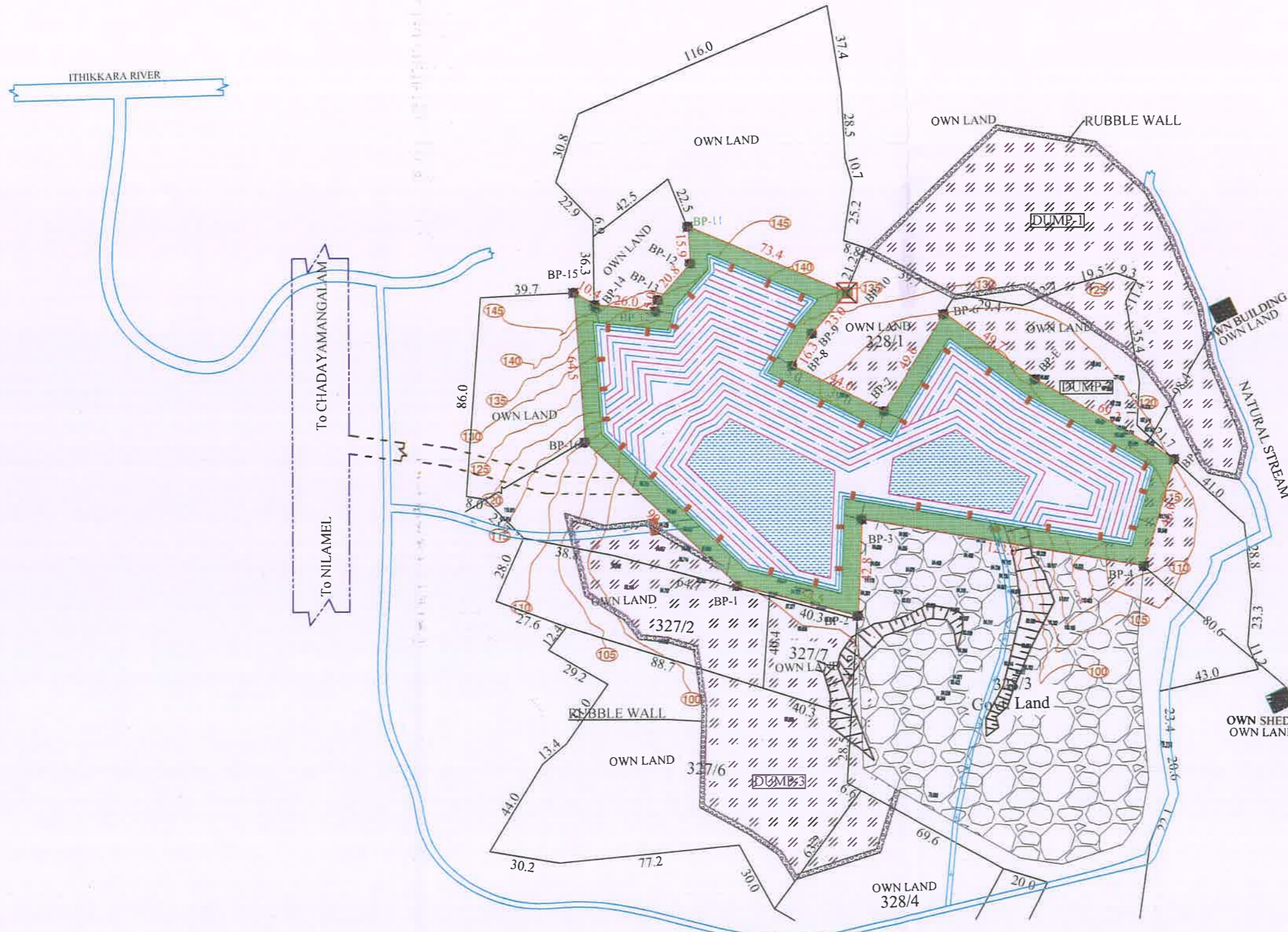
DRAINAGE & OB DUMP MANAGEMENT PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
ADDRESS OF APPLICANT	M/s SHAH QUARRY Sri.SHAJI S (Managing Partner) Thekkuvila Melathil Veedu , Kudavattoor P.O Kottarakkara , Kollam Kerala - 691 512



Scale: 1 : 2000
ALL DIMENSIONS ARE IN METER

LEGEND:-			
LEASE BOUNDARY-		SETTLING POND	
BUFFER ZONE (7.5m wide)		MINED AREA	
BOUNDARY PILLAR	BP-2	GARLAND CANAL	
CONTOUR		BUILDING	
SURVEY NUMBER	326/2	SILT TRAP	
PRIVATE ROAD		SPOT LEVEL	84.406



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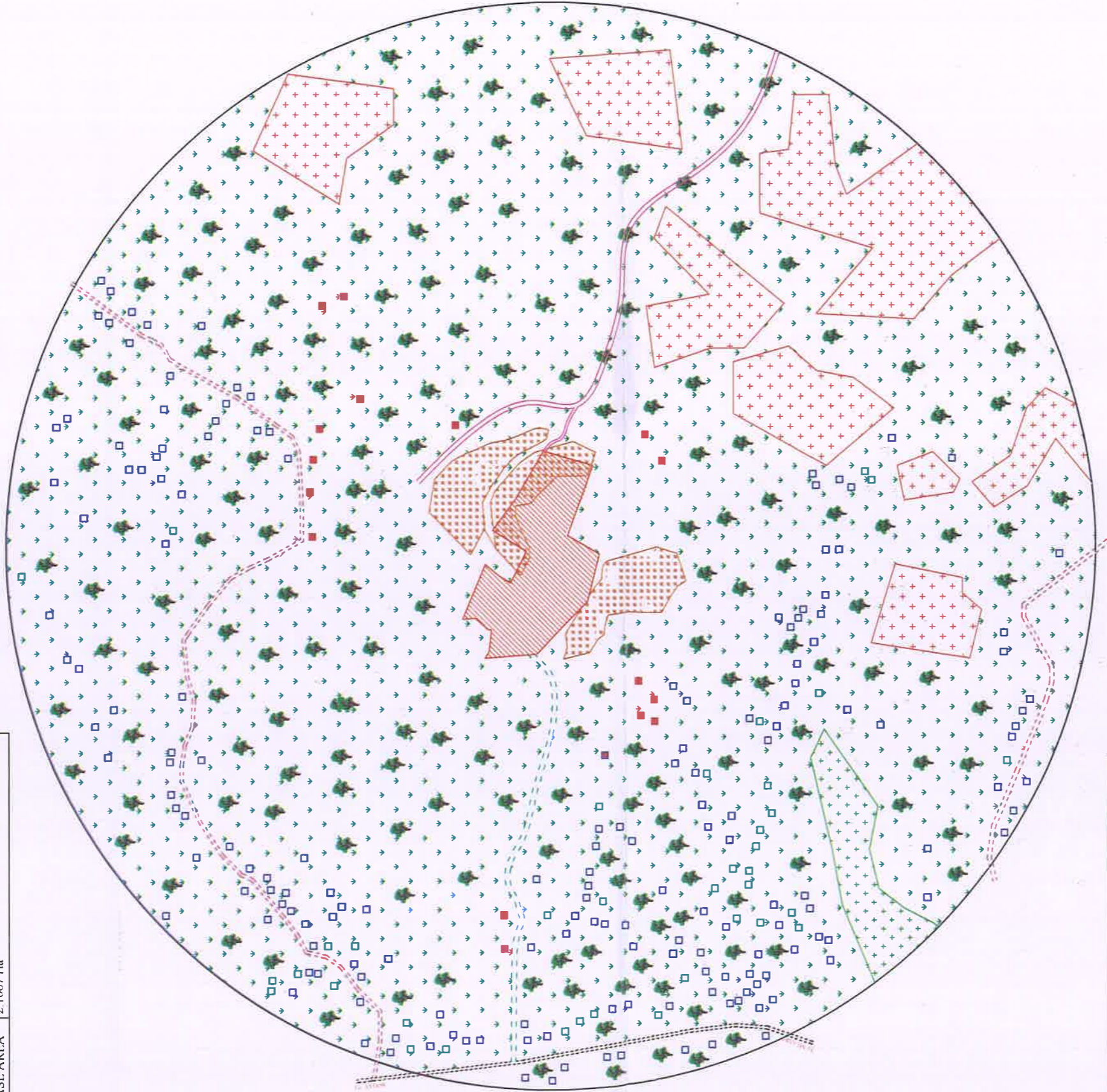
PLATE NO : 12

ENVIRONMENT MANAGEMENT PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha

M/s SHAH QUARRY
Sri SHAJI S (Managing Partner)
Thekkuvila Melathil Veedu , Kudavattoor P.O
Kottarakkara , Kollam
Kerala - 691 512

ADDRESS OF APPLICANT



LEGEND	
LEASE AREA	
BUILDING/SHED	
OWN BUILDING/SHED	
PRIVATE ROAD	
PANCHAYATH ROAD	
PWD ROAD	
DRAINAGE	
500m RADIUS TOP SOIL OVER BURDEN STORAGE AREA	
PLAIN SANDY AREA	
TREES	
RUBBER MIXED PLANTATION	



(Signature)

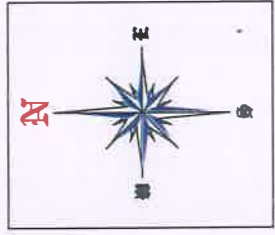
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PLATE NO : 13

PROGRESSIVE QUARRY CLOSURE PLAN

LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,326/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha
	M/s SHAH QUARRY
ADDRESS OF APPLICANT	Sri. SHAJI S (Managing Partner) Thekkuvila Melathil Veedu, Kudavattoor P O Kottarakkara, Kollam Kerala - 691 512



LEGEND:-

LEASE BOUNDARY-	---	RECLAMATION	[Red hatched pattern]
BUFFER ZONE (7.5m wide)	[Green hatched pattern]	MINED AREA	[White area]
BOUNDARY PILLAR	BP-2	PLANTATION	[Green star symbol]
CONTOUR	326/2	BLOCKED RESERVES	[Blue hatched pattern]
SURVEY NUMBER	---	RWH POND	[Blue wavy pattern]
PRIVATE ROAD	---		
SPOT LEVEL	84.46		



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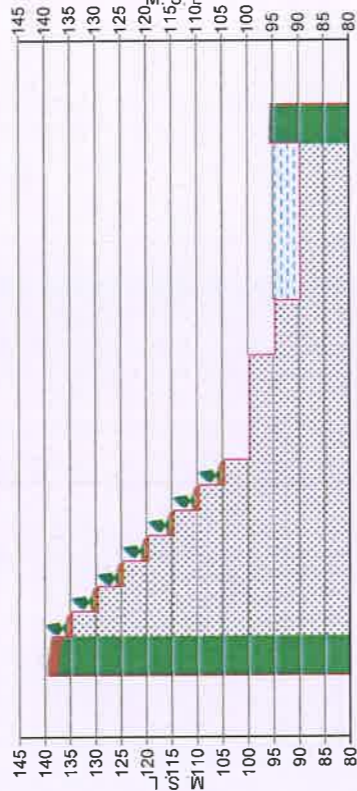
PLATE NO : 14

PROGRESSIVE QUARRY CLOSURE SECTIONS

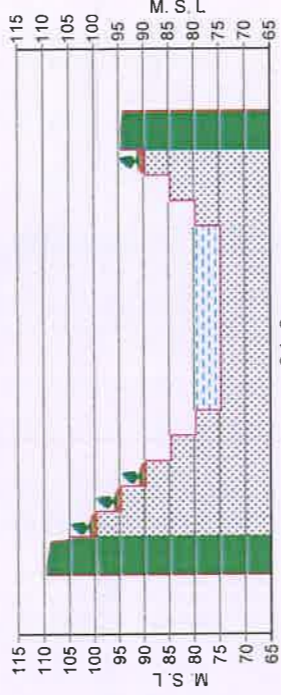
LAND DETAILS	
DISTRICT	KOLLAM
TALUK	KOTTARAKKARA
VILLAGE	CHADAYAMANGALAM
Re-SURVEY No	328/2,328/2-2, 325/2,325/4,325/5,326, 326/1 & 326/2
BLOCK NO	41
MINING AREA	1.6366 Ha
BUFFER AREA	0.5301 Ha
LEASE AREA	2.1667 Ha

M/s SHAH QUARRY
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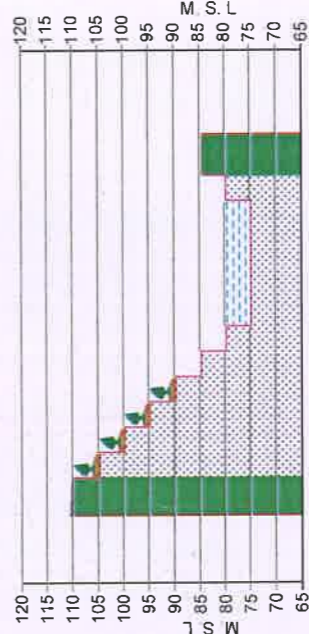
ADDRESS OF APPLICANT



SECTION A-A'



SECTION B-B'



SECTION C-C'

LEGEND:-

PLANTATION	↑ ↓
LEASE BOUNDARY-	—
BUFFER ZONE (7.5m wide)	
MEAN SEA LEVEL	145 - 80
BLOCKED RESERVES	
BENCH	
RECLAMATION	
RWH POND	



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