Executive Summary for Conducting Public Hearing

FOR

"Thiru.K.Muthukumar Rough Stone Quarry over a total extent of 2.28.30 Ha"

At

S.F.No. 94 (Part-2) in Sithannavasal Village, Illuppur Taluk, Pudukottai District, Tamil Nadu State

Project Proponent:

Thiru. K. Muthukumar, S/o. Karuppaiah, No.94, North Street, Sithannavasal, Illuppur Taluk Pudukkottai District - 622 101

Project termed under schedule 1(a) Category B₁

Prepared By:

Ecotech Labs Pvt. Ltd.





NABET Accreditated EIA Consultant 48, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600100 **EXECUTIVE SUMMARY**

1. Project Background:

The New Rough Stone Quarry over an extent of 2.28.30 Ha, Government Poramboke land

S.F. No: 94 (Part-2) of Sithannavasal Village, Illuppur Taluk, Pudukkottai District. The

category of the project is B1 (cluster), the lease area exhibits plain terrain covered by massive

charnockite rough stone formation.

The quarry operation is proposed to carry out with conventional open cast mechanized

mining with 5.0meter vertical bench with a bench width of 5.0meter. The Quarry operation

involves shallow jack hammer drilling, slurry blasting, loading and transportation.

The quarry operation is proposed up to depth of 47.0m (Topsoil 2.0m & Rough stone

45.0m). The Total Geological reserve is about 132m³ of Topsoil and 6,15,790m³ of Rough

Stone. The Mineable Reserves are 98m³ of Topsoil and 1,23,532m³ of Rough stone.

Production schedule is proposed an average production of 98m³ of Topsoil and 1,23,532m³

of Rough stone for (Sixty months) Five years only.

The Mining Plan was approved by the Assistant Director, Geology & Mining, Pudukkottai

vide letter Rc.No.1061/2023 (G&M) dated 14.03.2024. There is no CRZ zone, Western

Ghats, notified Bird sanctuaries, wildlife sanctuaries as per Wildlife protection Act 1972,

within the radius of 15Km.

2. Nature & Size of the Project

The Rough Stone Quarry over an extent of 2.28.30 Hectares land is located Sithannavasal

Village, Illuppur Taluk, Pudukkottai District.

Mineral intends to quarry : Rough stone.

District : Pudukkottai

Taluk : Illuppur

: Sithannavasal Village

S. F. Nos. : 94 (Part-2)

Extent : 2.28.30 Hectares

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Table 1: Brief Description of the Project

S. No	Particulars	Details				
1	Latitude	10° 27' 45.6971" N to 10° 27' 39.8927" N				
2	Longitude	78° 44' 07.5483" E to 78° 43' 59.9821" E				
3	Site Elevation above MSL	135.0m above MSL.				
4	Topography	Plain terrain				
5	Land use of the site	Government Poramboke land				
6	Extent of lease area	2.28.30 Ha				
7	Nearest highway	NH 336 – Trichy to Pudukkottai Road – 4.95 Km - E				
,	ivearest nighway	SH 71 – Manapparai to Pudukkottai Road – 2.59 Km - SW				
8	Nearest railway station	Vellanur Railway Station – 6.84 km - E				
9	Nearest airport	Tiruchirapalli International Airport – 33.79 km - N				
10	Nearest town / city	Town - Pudukkottai – 10.12 km - SE				
		City - Pudukkottai – 10.12 km - SE				
		District - Pudukkottai – 10.12 km - SE				
11	Rivers / Canal	Vellar River – 9.92 Km - SW				
12	Lake/Pond	❖ Periya Kulam – 0.42 Km – W				
		❖ Sithannavasal boating pond − 1.92 Km − SW				
		❖ Temple Pond – 2.06 Km – SE				
		❖ Panangudi Periya kulam – 2.71 Km - SW				
		❖ Periya vellala kulam – 2.90 Km – E				
		❖ Alankulam – 3.45 Km – E				
		❖ Mel kulam – 3.60 Km - E				
		❖ Mela Kulam – 3.60 Km - S				
		❖ Pai Kulam – 3.66 Km – E				
		❖ Annavasal Periyakulam Lake − 3.73 Km − W				
		❖ Melur oorani – 4.02 Km – E				
		❖ Kalamuthi Kulam – 4.20 Km – E				
		❖ Kila Kulam – 4.50 Km – SE				
		❖ Perunjunai Lake – 4.82 Km - SE				
		❖ Thottiya kulam – 5.06 Km – E				
		❖ Kili Kulam – 5.32 Km – E				

		❖ Kundu Pallam Lake – 5.63 Km - S
		❖ Vellanur Local Pond – 5.85 Km – E
		❖ Thiruvengainathar Lake – 6.43 Km – SE
		❖ Kavinadu Kanmai – 9.88 Km – SE
		❖ Ponnappan Urani – 11.30 Km - SE
		❖ Adappan kulam – 11.44 Km - SE
		❖ Keerankudi Kanmai – 11.66 Km – SSW
		❖ Akkachiyar Kulam – 12.03 Km - SE
		❖ Old Keerankudi Kanmai – 12.80 Km – SSW
		❖ Melathemuthupatti Pond – 13.50 Km – SE
		❖ Kotti Kanmai – 14.30 Km – S
13	Dams	❖ Senthamangalam Dam – 11.02 Km – S
		❖ Holdsworth Anaicut – 18.43 Km - SE
14	Hills / valleys	❖ Ancient Jain Cave Hills – 1.46 Km - SW
		❖ Ural Hills – 2.70 Km – NE
15	Archaeologically places	❖ Rock cut Jain Temple – 1.23 Km – SW
		❖ Natural Cavern with stone beds – Eladipattam – 1.76 Km – SW
		❖ Jain Image, Annavasal – 4.20 Km – W
		❖ Siva Temple, Ariyur – 4.38 Km - S
		❖ Kailasanatha temple, Agastisvara temple – Vellanur – 6.35 Km
		E
		❖ Devar Malai Rock cut cave Temple – 11.70 Km - S
16	National parks / Wildlife Sanctuaries	❖ Vettangudi Birds Sanctuary – 45.76 Km - SW
17	Reserved / Protected Forests	❖ Narthamalai RF – 4.42 Km – NE
		❖ Kudumiyanmalai RF – 6.17 Km – SW
		❖ Permabur RF – 7.24 Km - SW
		❖ Perungudipatti RF – 7.42 Km - NE
		❖ Aladukkadu RF – 8.98 Km – NE
		❖ Chinna valakkad RF – 10.50 Km – SE
		❖ Vellar RF – 12.14 Km – S
18	Seismicity	 ❖ Vellar RF – 12.14 Km – S Proposed Lease area come under Seismic zone-II (Moderate risk

3. Need for the Project

- ❖ The mining activities as proposed are the backbone of all construction and infrastructure projects as the raw material for construction is available only from such mining. The Rough stone extracted will be transported to be Stone crusher of district Pudukkottai.
- ❖ The raw Rough stone as well as the crushed material of stone is in high demand in real estate, construction projects as well as in building construction projects.
- * Rough stone is quarried for producing crusher aggregates to the nearby building contractors, road contractors and nearby villagers.
- After quarrying the entire reserves mined out, the area will be used as water reservoir to have an artificial recharge to the nearby wells.
- No damage to the land is caused, no reclamation or backfilling is required.

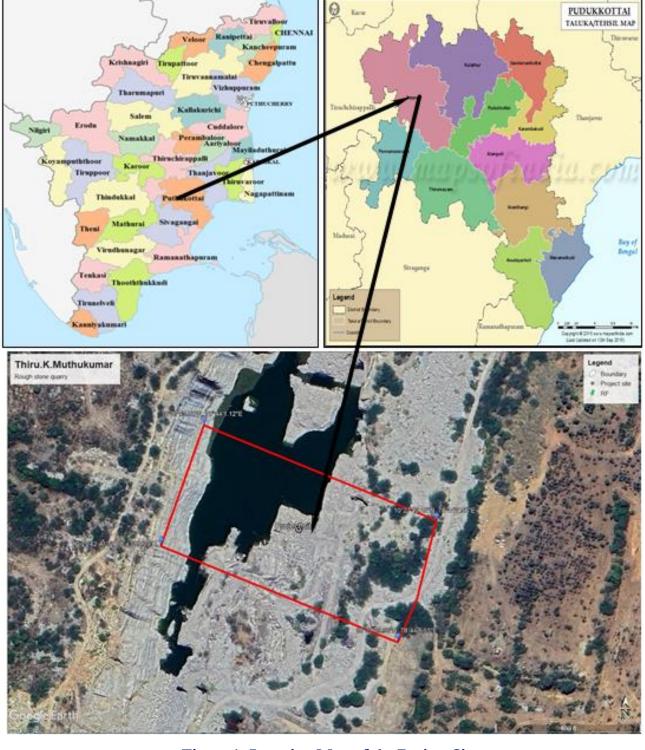


Figure 1: Location Map of the Project Site



Figure 2: Google Image of the Project Site

4. Charnockite

Generally, the Charnockite is grey to greenish colored, coarse to medium grained, greasy nature with or without garnet. Because of the limited outcrops, the quarry sections are studied to infer the various interrelationships between the litho units. Charnockite is interbanded nature with crystalline carbonate rocks are observed in most of the quarry in the areas of Kunnandavarkoil, Thirumayam, Kulathur, Weathering of the Charnockite on the surface gives a deceptive look of gneiss and in the quarry sections at depth the fresh charnockite is exposed, which are well exemplified in almost all the Charnockite quarry sections.

5. Geological Resources

Top Soil:

The Thickness of Topsoil in this area is 2.0m and the total volume of Topsoil will be 132m³.

Rough Stone:

The Available Geological Reserve is estimated as 615790m³ respectively at the rate of 100% recovery upto the permissible depth. Topsoil is calculated up to a depth of 2m and Rough Stone at a depth of 45m. **Total Depth - 47m.**

Table 2. Geological resources

Cartian	D1-	I (m)	W (m)	D	Volume	Geological	Topsoil
Section	Bench	L (m)	W (m)	(m)	in (Cu.m.)	Reserve in Cu.m (100%)	in Cu.m.
	I	7	1	2			14
	II	18	1	5	90	90	
	III	18	1	5	90	90	
	IV	18	1	5	90	90	
XY-AB	V	18	1	5	90	90	
XI-AD	VI	18	1	5	90	90	
	VII	18	1	5	90	90	
	VIII	18	107	5	9630	9630	
	IX	91	107	5	48685	48685	
	X	91	107	5	48685	48685	
	7	Total=			107540	107540	14
	I	59	1	2			118
	II	90	107	5	48150	48150	
	III	90	107	5	48150	48150	
	IV	90	107	5	48150	48150	
XY-CD	V	90	107	5	48150	48150	
XI-CD	VI	90	107	5	48150	48150	
	VII	125	107	5	66875	66875	
	VIII	125	107	5	66875	66875	
	IX	125	107	5	66875	66875	
	X	125	107	5	66875	66875	
	7	Total=			508250	508250	118
	Gra	nd Total	l=		615790	615790	132

Table 2.1 Mineable Resources

MINEABLE RESERVES								
Section	Bench	L (m)	W (m)	D (m)	Volume	Mineable Reserve in	Topsoil in	
Section	Dench	L (III)			in (Cu.m.)	Cu.m (100%)	Cu.m.	
XY-AB	VIII	63	67	2	8442	8442		
711 711	IX	53	57	5	15105	15105		

Grand Total					123532	123532	98
Total			89880	89880	98		
	VII	88	17	5	7480	7480	
	VI	58	27	5	7830	7830	
	V	63	37	5	11655	11655	
XY-CD	IV	68	47	5	15980	15980	
	III	73	57	5	20805	20805	
	II	78	67	5	26130	26130	
	I	49	1	2			98
		Total			33652	33652	
	X	43	47	5	10105	10105	

Table 3. Year wise Production Plan

	YEARWISE DEVELOPMENT AND PRODUCTION									
							Recoverable Reserve	Topsoil		
1 cai	Section	Dench	L (m)	(m)	(m)	in (m³)	in m ³ (100%)	in m ³		
I Year	XY-CD	I	49	1	2			98		
1 Tear	AT-CD	II	78	67	5	26130	26130			
		TOTAL			•	26130	26130	98		
II Year	XY-CD	III	73	57	5	20805	20805			
		TOTAL				20805	20805			
III Year	XY-CD	IV	68	47	5	15980	15980			
		TOTAL				15980	15980			
	XY-CD	V	63	37	5	11655	11655			
IV Year		VI	58	27	5	7830	7830			
		VII	88	17	5	7480	7480			
		TOTAL			•	26965	26965			
		VIII	63	67	2	8442	8442			
V Year	XY-AB	IX	53	57	5	15105	15105			
		X	43	47	5	10105	10105			
		TOTAL			•	33652	33652			
	GR	AND TOT	AL			123532	123532	98		

6. Mining

Opencast Mining

The quarry operation is proposed to be carried out with conventional open cast mechanized mining with 5.0meter vertical bench with a bench width of 5.0 meter. The Quarry operation involves shallow jack hammer drilling, slurry blasting, loading and transportation.

Process Description

- > The reserves and resources have arrived based upon the Geological investigation.
- Removal of Topsoil by Excavators and directly Loaded into Tippers.
- ➤ Removal of Rough Stone by Excavators by Drilling and Blasting.
- > Shallow Drilling With Jackhammer of 25.5mm Dia.
- > Minimum Blasting With Class 3 Explosives.
- ➤ Loading of Rough Stone By Excavators Into Tippers.

7. Water Requirement

Total water requirement for the mining project is 1.675 KLD. Domestic water will be sourced from nearby Sithannavasal Village and other water will be source from nearby road tankers supply.

Table 4. Water Balance

Purpose	Quantity	Source				
Drinking Water	0.675 KLD	Packaged Drinking water vendors available in Sithannavasal village which is about 1.01 km W from the project site.				
Green belt	0.5 KLD	Other domestic activities through road tankers supply.				
Dust suppression	0.5 KLD	From road tankers supply.				
Total	1.675 KLD					

8. Manpower

Total manpower required for the project is approximately 15 persons. The workers will be from nearby villages.

Table 5. Man Power

		Operators	2 Nos	
1.	Skilled	Mechanic	1 No	
		Blaster/Mat	1 No	
2.	Semi – skilled	Drivers	2 Nos	
		Musdoor/Labours	4 Nos	
3.	Unskilled	Cleaners	2 Nos	
		Office Boy	1 No	
4.	4. Management & Supervisory staff			
	15 Nos			

No child less than 18 years will be entertained during quarrying operations.

9. Solid Waste Management

Table 6 Solid Waste Management

S. No	Type	Quantity	Disposal Method			
1	Organic	4.05 kg/day	Municipal bin including			
			food waste			
2	Inorganic	2.70 kg/day	TNPCB authorized			
			recyclers			

As per CPCB guidelines: MSW per capita/day =0.45 kg/day

Table 7 500m Radius Cluster Mine

1) E	1) Existing other quarries:							
S.	Name of the lessee / Permit	Village & Taluk	S. F. No.	Extent	Lease Period			
No.	Holder	,gc	0020100		Louise I ellou			
1.	Tmt.D.Adaikalamary W/o. Durai Diviyanathan,	Kulathur Irumbali	80/1 76/2	1.38.0	01.2015 to 31.02.2035			

	205, Housing Unit,				
	Rajagopalapuram, Pudukkottai –				
	622003				
	Thiru.R.Sathiyamoorthy,				
2	S/o.Ramasamy,	Illuppur	95/22 &	0.04.5	31.07.2023 to
2.	Ellaiyapatti, Mathiyanallur village,	Sithannavasal	etc.,	0.94.5	30.07.2028
	Illuppur Taluk, Pudukkottai Dt				
	Total	<u> </u>		2.32.5	
2) P	Proposed Area:				
S.	Name of the applicant	Village & Taluk	S. F. 1	No.	Extent
No.	rame or the apprearie	v mage ee Turun	5,1,1		Lincont
	Thiru.C.Palanisamy,				
1.	S/o.Chinnakannu,	Illuppur	04 (Pa	ut 1)	2.80.33
1.	No.129, Edatheru, Sithannavasal,	Sithannavasal	Sithannavasal 94 (Part-1)		
	Illuppur Taluk, Pudukkottai Dt				
	Thiru.K.Muthukumar,		94 (Part-2)		
2.	S/o.Karuppaiah,	Illuppur			2.50.0
۷.	No.94, North street, Sithannavasal,	Sithannavasal	94 (F.a.	2.30.0	
	Illuppur Taluk, Pudukkottai Dt				
	Thiru.Bennet Antony Raj,				
	S/o.Durai Dhiviyanathan,		75 (2 (D) (1	02.5).0	
3	No.205, Housing Unit, Periyar	Irumbali, Kulathur 75/2 (P) (,	2.08.0
	Nagar, Rajagopalapuram,		75/4 (P) ((1.05.5)	
	Pudukkottai District.				
	Tmt.K.Indirani				
	W/o.Karuppaiah,	T11	05/10 05/1	C 05/10	
4	Door No.45, Thayinipatti,	Illuppur	95/12, 95/1		1.44.0
	Vilathupatti Post, Illuppur Tk,	Sithannvasal	95/20 (P) &	95/21 (P)	
	Pudukkottai Dt.				
	T	otal			8.82.33
3) Lea	ase Expired				<u> </u>
S.	Name of the lessee / Permit	Village & Taluk	S. F. No.	Extent	Lease Period
No.	Holder	, muge & Tutuk	5.1.110.	LAtent	Lease I clivu
					11 P a g e

	Thiru.C.Ponnusamy,					
1	S/o.Chinnaiya,	Illuppur	210/12B	2.50.0	28.06.2017 to	
1.	Sithannavasal post, Illuppur Taluk,	Sithannvasal	etc.,	2.50.0	27.06.2022	
	Pudukkottai Ditrict.					
	Thiru.Poosairaj,					
2.	S/o.Mariyappan	Illuppur	211	2.50.0	28.06.2017 to	
۷.	Sithannavasal post, Illuppur Taluk,	Sithannvasal	(Q.No.1)	2.30.0	27.06.2022	
	Pudukkottai District.					
	Thiru.R.Radha,					
3.	S/o.Ramesh,	Illuppur	211 (Part)	2.00.0	28.06.2017 to	
3.	Thayinipatti village, Illuppur	Sithannvasal	211 (Fait)	2.00.0	27.06.2022	
	Taluk, Pudukkottai District.					
	Thiru.K.R.N.Ramesh,					
4.	S/o.Rasu Nattar,	Illuppur	95/1 & etc	0.96.0	11.08.2017 to	
٦.	Thayinipatti, Vilathupatti post,	Sithannvasal			10.08.2022	
	Illuppur Taluk, Pudukkottai Dt					
	Thiru.G.Murugesan,					
5.	S/o.Ganesan,	Irumbali Kulathur	98/1,2	0.70.0	24.11.2017 to	
3.	Pudupatti, Mathiyanallur Taluk,				23.01.2022	
	Pudukkottai District.					
	L.Soosainathan,					
	S/o.Loordhusamy,	Illuppur	95/8 &		14.03.2010 to	
6.	448, Housing Unit,	Sithannvasal	97/32	0.93.5	13.03.2015	
	Rajagopalapuram, Pudukkottai	010110111111111111111111111111111111111	, , , , <u>, , , , , , , , , , , , , , , </u>		1010012010	
	District					
	Thiru.A.S.Pichai,					
	S/o.Subbiah,	Illuppur			29.05.2015 to	
7.	21/22, Old Perumalkoil street,	Mathiyanallur	241/3 (p)	1.21.5	28.05.2020	
	Annavasal, Illuppur Taluk,	J J				
	Pudukkottai District.					

8.	Tmt.S.Sooriya, W/o.Sathiya-moorthy, Ellaiyapatti, Mathiyanallur (post), Illuppur Taluk, Pudukkottai District.	Mathiyanallur Illuppur	280 (part)	1.00.0	14.10.2016 to 13.10.2021
	Total			11.81.0	

The Total extent of the Existing / Lease expired / Proposed quarries is 11.14.83 Ha.

10. Land Requirement

The total extent area of the project is 2.28.30 Ha, Government Poramboke land in Sithannavasal Village of Illuppur Taluk, Pudukkottai District.

Table 8 Land Use Breakup

S. No.	Land Use	Present Area (Hect)	Area in use during the quarrying period (Hect)
1.	Area under quarrying	1.80.0	2.11.0
2.	Infrastructure	Nil	0.01.0
3.	Roads	0.01.0	0.01.0
4.	Green Belt & Dump	Nil	0.15.3
5.	Unutilized Area	0.47.3	Nil
	Total	2.28.30На	2.28.30На

11. Human Settlement

There are no habitations within a 500m radius. There are villages located in this area within a 5km radius of the quarry.

Table 9 Habitation

SL. NO.	DIRECTION	VILLAGE	DISTANCE	POPULATION
1	North	Meivazhi	3.0Kms	300
2	East	Irumbali	2.0Kms	180
3	South	Madiyanallur	2.0Kms	200
4	West	Annavasal	3.2Kms	1200

12. Power Requirement

The Rough Stone Quarry project does not require huge water and electricity for the project.

16 Litre diesel per hour for excavator for mining and loading for Rough stone needed.

13. Scope of the Baseline Study

This chapter contains information on existing environmental scenarios on the following parameters.

- 1. Micro Meteorology
- 2. Water Environment
- 3. Air Environment
- 4. Noise Environment
- 5. Soil / Land Environment
- 6. Biological Environment
- 7. Socio-economic Environment

13.1 Micro – Meteorology

Meteorology plays a vital role in affecting the dispersion of pollutants, once discharged into the atmosphere. Since meteorological factors show wide fluctuations with time, meaningful interpretation can be drawn only from long-term reliable data.

- i) Average Minimum Temperature: 3 3.7 °C
- ii) Average Maximum Temperature: 24 °C
- iii) Average Annual Rainfall of the area: 922.8 mm

13.2 Air Environment

Ambient air monitoring was carried out on a monthly basis in the surrounding areas of the Mine Lease area to assess the ambient air quality at the source. To know the ambient air quality at a larger distance i.e., in the study area of 5 km. radius, an air quality survey has been conducted at 5 locations. Major air pollutants like Particulate Matter (PM10), Sulphur Dioxide (SO2), Nitrogen Dioxide (NO2) were monitored, and the results are summarized below.

The baseline levels of PM_{10} (57 – 36 $\mu g/m^3$), $PM_{2.5}$ (26 - 10 $\mu g/m^3$), SO_2 (18 – 4 $\mu g/m^3$), NO_2 (30 - 10 $\mu g/m^3$), all the parameters are well within the standards prescribed by National Ambient Air Quality during the study period from February to April 2025

13.3 Noise Environment

Ambient noise levels were measured at 7 locations around the proposed project site. The maximum Day noise and Night noise were found to be 66 dB(A) and 53 dB(A) respectively in Vinayagar Temple, Sithuppatti. The minimum Day Noise and Night noise were 41 dB(A) and 35 dB(A) respectively, which was observed in Project Site and Government Higher Secondary School in Maruthanthalai.

13.4 Water Environment

- The average pH ranges from 7.77 8.22.
- TDS value varied from 410 mg/l to 1836 mg/l
- Hardness varied from 232 to 864 mg/1
- Chloride varied from 30.5 to 580 mg/1

13.5 Land Environment

The analysis results show that the majority of soil in the project and surrounding area is slightly alkaline in nature and pH value ranges from 7.12 to 8.51 with organic matter 0.48 % to 0.71 %. The concentration of Nitrogen, Phosphorus & Potassium has been found to be in good amount in the soil samples.

13.6 Biological Environment

The proposed Mining lease area is mostly dry barren ground with small shrubs and bushes. No specific endangered flora & fauna exist within the mining lease area.

14. Rehabilitation/Resettlement

- The overall land of the mine is government poramboke land. There is no displacement of the population within the project area and adjacent nearby area. Social development of nearby villages will be considered in this project.
- The mine area does not cover any habitation. Hence the mining activity does not involve any displacement of human settlement.

15. Greenbelt Development

- 1. The development of greenbelt in the peripheral buffer zone of the mine area.
- 2. Green belt has been recommended as one of the major components of Environmental

Management Plan, which will improve ecology, environment and quality of the surrounding area.

- 3. Local trees like, Neem, Pungam, Naval etc will be planted along the lease boundary and avenues as well as over non-active dumps with intervals of 5m.
- 4. The rate of survival expected to be 80% in this area

Table.10 Plantation/ Afforestation Program

Scientifical Name	Common Name	Planted trees
Albizia lebbeck	Vaagai	100
Pterocarpus marsupium	Vengai	110
Azadirachta indica	Neem	150
Syzygium cumini	Naaval	100
Lannea coromandelica	Odhiam	100
Thespesia populnea	Poovarasu	100
Madhuca longifolia	Iluppai	140
Albizia amara	Usil maram	100
Borassus flabellifer	Panai	100
TOTAL	1000	

16. Anticipated Environmental Impacts

16.1 Air Environment and Mitigation Measures

- 1. Water sprinkling will be done on the roads & unpaved roads.
- 2. Proper mitigation measures like water sprinkling will be adopted to control dust emissions.
- 3. Plantation will be carried out on approach roads, solid waste site & nearby mine premises.
- 4. To control the emissions regular preventive maintenance of equipments will be carried out.

16.2 Noise Environment and Mitigation Measures

1. Periodical monitoring of ambient noise will be done as per CPCB guidelines.

- 2. No other equipment except the transportation vehicles and excavator for loading will be allowed.
- 3. Noise generated by these equipments shall be intermittent and does not cause much adverse impact

17. Responsibilities for Environmental Management Cell (EMC)

The responsibilities of the EMC include the following:

- i. Environmental Monitoring of the surrounding area
- ii. Developing the green belt/Plantation
- iii. Ensuring minimal use of water
- iv. Proper implementation of pollution control measures

18. Environmental Monitoring Program

A monitoring schedule with respect to Ambient Air Quality, Water & Wastewater Quality, Noise Quality as per Tamil Nadu State Pollution Control Board (TNPCB), shall be maintained.

19. Project Cost

The total project cost is **Rs. 1,13,25,000/-** for deployment of machinery and creation of infrastructural facilities like approach road, Mine office / Workers Shed, First Aid Room etc., including electrifications and water supply.

Table.11 Project Cost details

S. No.	Description	Cost	
1	Investment cost	73,25,000/-	
2	Operational Cost	40,00,000/-	
	Total	1,13,25,000/-	

Environmental Management Plan Cost – 1,57,11,923/-

20. Corporate Environmental Responsibility

The Corporate Environment Responsibility (CER) fund will be provided to the below activity.

Table 12 CER Cost

S.No.	CER Activity	CER Cost (Rs.)
	Panchayat Union Middle School in Sithannavasal,	
	Illuppur (Taluk), Pudukkottai District.	
	Providing facilities are:	
	➤ Individual room for The Headmaster and	
1.	> Basic amenities such as Environmental	5,00,000/-
	awareness books (Tamil) in Library for students,	
	Green Belt development, RO water purifiers,	
	Hygienic Toilet and maintenance of toilet upto	
	lease period.	
	Total	5,00,000/-

21. Benefits of the Project

- There is a positive impact on socio-economics of people living in the villages. Mining operations in the subject area has a positive impact by providing direct and indirect jobs opportunities.
- The project is environmentally compatible, financially viable and would be in the interest of the construction industry thereby indirectly benefiting the masses.

Quarrying in this area is not going to have any negative impact on the social or cultural life of the villagers in the near vicinity.