

**PROPOSAL TO OBTAIN ENVIRONMENT CLEARANCE FROM**

***DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (DEIAA),***

***MADURAI DISTRICT, TAMILNADU***

**FOR QUARRYING OF ACHANKULAM**  
**ROUGH STONE AND GRAVEL QUARRY**

**(TO SUBMISSION OF FORM -1, APPROVED MINING PLAN & PRE-FEASIBILITY REPORT)**

**(PROJECT CATEGORY-"B2" / PATTALAND)**

**(MINING PLAN PERIOD – FIVE YEARS)**

**IN**

**LOCATION OF THE QUARRY LEASE APPLIED AREA**

**Extent : 2.71.0Ha**  
**S.F.No : 12/2B1, 12/5, 12/ 6, 12/7,  
24/2 & 24/3**  
**Village : Achankulam**  
**Taluk : Thirumangalam**  
**District : Madurai**  
**State : Tamilnadu**

**APPLICANT**

**Tvl. Suganya Blue Metals,  
No.13/4A2, Achankulam Village,  
Nedunkulam- Kallanai Main Road,  
Melauppilikundu Post,  
Thirumangalam Taluk,  
Madurai District - 625 022**

**PREPARED BY**

**Dr. P. Thangaraju, M.Sc., Ph.D.,  
Qualified Person**

## *INDEX FILE*

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To consider the proposal for the grant of Environmental Clearance for Rough stone and Gravel quarry for over an extent of 2.71.0Ha in S.F.No. 12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3 at Achankulam Village,

**Thirumangalam Taluk, and Madurai District by Tvl.Suganya Blue Metals**

The salient features of the proposal are as follows:

S.No:	Details of the proposal	:	Data furnished	Page No:												
1.	Name of the owner/Firm	:	Tvl.Suganya Blue Metals, No.13/4A2, Achankulam Village, Nedunkulam- Kallanai Main Road, Melauppilikundu Post, Thirumangalam Taluk, Madurai District - 625 022 Mobile No : 98428 04566	19,79,181,												
2.	Type of quarrying (Savudu/Rough stone/ Sand/Granite)	:	It is a Rough stone and Gravel quarry	17,83,181,												
3.	S.F.No of the quarry site with area break up	:	12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3	17,83,181,												
4.	Village in which situated	:	Achankulam Village	17,83,181,												
5.	Taluk in which situated	:	Thirumangalam Taluk	17,83,181,												
6.	District in which situated	:	Madurai District	17,83,181,												
7.	Extent of quarry (in ha)	:	2.71.0Ha	17,83,181,												
8.	Period of quarrying proposed	:	Five years	79												
9.	Production (Quantity in m <sup>3</sup> )	:	The proposed quantity of reserves is <b>441075m<sup>3</sup></b> of Rough stone and <b>62832m<sup>3</sup></b> of Gravel for a period of five years	17,89,91,9 5,197,199, 203,												
10.	Latitude and Longitude of all corners of the quarry site	:	09°45'56.15"N to 09°46'03.07"N 78°02'17.91"E to 78°02'24.23"E	85,157,187												
11.	Topo sheet No	:	58 - K/01	85,157,187												
12.	Precise area communication approved by the District Collector with date	:	The precise area Communication letter was received from the District Collector, Madurai vide <b>R.c.No.1680/2017 -Mines Dated 30.08.2018</b>	133,												
13.	Mining plan approved by the Assistant Director of the District with date	:	The Mining Plan was got approval by the Deputy Director, Department of Geology and Mining, Madurai vide <b>Roc.No.1680/2018 -Mines Dated 03.10.2018</b>	55,												
14.	Water Requirement: 1. Drinking & Domestic purpose (in KLD) 2. Dust suppression & Green Belt (in KLD)	:	<table border="1"> <thead> <tr> <th>Purpose</th> <th>Quantity KLD</th> <th>Source</th> </tr> </thead> <tbody> <tr> <td>Drinking</td> <td>2.0 KLD</td> <td>Water vendors</td> </tr> <tr> <td>Domestic purpose</td> <td>2.0 KLD</td> <td>Existing borewell on nearby quarry area</td> </tr> <tr> <td>Dust suppression and Afforestation</td> <td>1.0 KLD</td> <td>Existing borewell on nearby quarry area</td> </tr> </tbody> </table>	Purpose	Quantity KLD	Source	Drinking	2.0 KLD	Water vendors	Domestic purpose	2.0 KLD	Existing borewell on nearby quarry area	Dust suppression and Afforestation	1.0 KLD	Existing borewell on nearby quarry area	33,207
Purpose	Quantity KLD	Source														
Drinking	2.0 KLD	Water vendors														
Domestic purpose	2.0 KLD	Existing borewell on nearby quarry area														
Dust suppression and Afforestation	1.0 KLD	Existing borewell on nearby quarry area														
15.	Depth of quarrying	:	The quarry operation is Proposed up to depth <b>48m</b> below the ground level for a lease period.	95												
16.	Project cost (Excluding EMP cost)	:	The total Project cost (A+B) and including CSR cost is about Rs. <b>56,29,935/-</b> (Rupees Fifty six lakhs and twenty nine thousand and nine hundred and thirty five only)	123,125, 231												
17.	EMP cost	:	The total EMP cost is <b>Rs. 3, 80,000 /-</b> (Rupees Three lakh eighty thousand only)	125,231												

Checklist for Mining of Minor Mineral 0 - 4.99 Ha for B2 Category mines & Cluster of  
Mines within 25 Ha fallen within 500m radius

S. No:	Details of the proposal	:	Data furnished	Page No:
1.	Name of the owner/Firm	:	Tvl.Suganya Blue Metals,	19,79,181,
2.	Correspondence Address with Pin Code	:	No.13/4A2, Achankulam Village, Nedunkulam- Kallanai Main Road, Melauppilikundu Post, Thirumangalam Taluk, Madurai District - 625 022	
3.	Mobile Number	:	98428 04566	19,
4.	Email	:	infogeoexploration@gmail.com	19,
5.	Type of quarrying (Earth/ Rough stone and Gravel/Sand/Granite)	:	It is a Rough stone and Gravel Quarry project in Achankulam Village.	17,83,181,
6.	S.F. No of the Quarry site	:	S.F.No: 12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3 at Achankulam Village, Thirumangalam Taluk, Madurai District	17,83,181,
7.	Village , Town Panchayat/ Municipality in which the village is situated	:	Village : Achankulam Panchayat Union : Thirumangalam	17,83,181,
8.	Taluk in which situated	:	Thirumangalam Taluk	17,83,181,
9.	District in which situated	:	Madurai District	17,83,181,
10.	Extent of quarry (in Ha)	:	2.71.0Ha	17,83,181,
11.	New or existing quarry	:	It is a New proposal Rough stone and Gravel quarry in Achankulam Village.	17,83,181,
12.	If in case of existing Rough stone and Gravel/ Blue Metal/ Granite Quarry, the length, width and depth to which quarrying has already been done (below the ground level/ above the ground level)	:	It is a New proposal Rough stone and Gravel quarry in Achankulam Village.	17,83,181,
13.	If quarrying had been done below the ground level/above the Ground level, the height of quarrying	:	It is a New proposal Rough stone and Gravel quarry in Achankulam Village.	17,83,181,
14.	Name of the owner who had earlier undertaken the quarrying & a copy of mining lease issued with date	:	It is a New proposal Rough stone and Gravel quarry in Achankulam Village.	17,83,181,

15.	Proof of land ownership. If owned patta copy. If not own patta land agreement/ lease copy entered with the owner (to be enclosed)	:	It is a Patta land, Registered the Name of Applicant (Malaiyarasan), Ramakrishnan, Thillai Natarajan, Rakku and Subhashini (Tvl.Suganya Blue metals) vide Patta Nos.313, 300 & 249. The applicant has been consent from Pattadhar. The (Refer the Patta copy as Annexure No.IV & Consent copy as Annexure No.X).	85,139												
16.	Period of quarrying	:	Five years	79,												
17.	Production (quantity in m <sup>3</sup> )	:	The proposed quantity of reserves is <b>441075m<sup>3</sup></b> (or) <b>73513</b> Lorry Loads of Rough stone up to a depth of <b>48m</b> below the ground level for a period of Five years only.  <table border="1" data-bbox="662 617 1318 869"> <thead> <tr> <th>Description</th> <th>Rough stone in m<sup>3</sup></th> <th>Gravel Formation in m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>Geological Resources</td> <td>1191960</td> <td>79464</td> </tr> <tr> <td>Available Mineable reserves</td> <td>441075</td> <td>62832</td> </tr> <tr> <td>Five years plan period As in the approved mining plan</td> <td>441075</td> <td>62832</td> </tr> </tbody> </table>	Description	Rough stone in m <sup>3</sup>	Gravel Formation in m <sup>3</sup>	Geological Resources	1191960	79464	Available Mineable reserves	441075	62832	Five years plan period As in the approved mining plan	441075	62832	17,89,91,95, 197,199, 203,
Description	Rough stone in m <sup>3</sup>	Gravel Formation in m <sup>3</sup>														
Geological Resources	1191960	79464														
Available Mineable reserves	441075	62832														
Five years plan period As in the approved mining plan	441075	62832														
18.	Method of Mining	:	The quarrying operation will be carried out by Mechanized Opencast Method mining with 5.0 meter vertical bench with a bench width is not less than the bench height. The quarry operation involves shallow jack hammer drilling, slurry explosives in blasting, excavation, Loading and transportation of Roughstone to the needy crusher.	93,201												
19.	Top soil/ Overburden in case of Rough stone and Gravel/ Blue Metal	:	The overburden is the form of Gravel is about <b>62832m<sup>3</sup></b> up to depth <b>3m</b> for during this period.	93,												
20.	Quantity of rejects in m <sup>3</sup> in case of Granite Mining.	:	There is no rejects	93,												
21.	Length, Width, Depth & Proposed Quarry in meters.	:	<table border="1" data-bbox="662 1310 1318 1457"> <thead> <tr> <th>Length (Max) (m)</th> <th>Width (Max) (m)</th> <th>Depth (Max) (m)</th> </tr> </thead> <tbody> <tr> <td>157m</td> <td>139m</td> <td>48m from below ground level</td> </tr> </tbody> </table>	Length (Max) (m)	Width (Max) (m)	Depth (Max) (m)	157m	139m	48m from below ground level	99						
Length (Max) (m)	Width (Max) (m)	Depth (Max) (m)														
157m	139m	48m from below ground level														
22.	Land use pattern for a radius of 1Km around the quarry site such as Agriculture, Habitation etc.,	:	<b>Land use pattern</b> Quarry Pits – 08% Trees – 05% Seasonal Agri Land – 47% Barren land – 14% Odai / Tank / River – 12% Roads – 05% Habitations – 06% Crusher – 03%	161												
23.	Details of other quarries for a radius of 1Km, around the quarry site.	:	The village Topo sketch map showing the quarry of existing and proposed site. There are few quarry is situated within 500m radius from	255												

			the quarry site.	
24.	Aerial distance from periphery of the site to the nearest habitation	:	The Nearest habitation is Nedunkulam village in 1.0km on Northwestern side of the area.	49,117,223
25.	Aerial distance to the interstate borders, in case of Rough stone and Gravel/ Blue Metal/ Granite quarry to be obtained from IRS, Anna University.	:	There is no Interstate boundary within the radius of 10km.	49,221,
26.	In case of Rough stone and Gravel/ Blue Metal/ Granite quarry no objection certificate from the concerned district Forest Officer/ Wild Life Sanctuaries/ National Parks/ HACA/ Western Ghats region if the quarry site is within 10 Kms of these areas.	:	There is no NOC is enclosed	-
27.	Aerial distance to the nearest eco-sensitive areas, CRZ, Forests, Monuments etc., within 10Kms of these areas.	:	There is no eco-sensitive areas, CRZ, within the radius of 10km	49,221,
28.	Latitude and Longitude of all corners of the quarry site.	:	09°45'56.15"N to 09°46'03.07"N 78°02'17.91"E to 78°02'24.23"E	85,157,187
29.	Topo Sheet No	:	58 - K/01	85,157,187
30.	Copy of explosives license and a consent letter/ agreement of competent recognized person who has agreed to handle explosive for the blasting, in case of Rough stone and Gravel/ Blue Metal/ Granite quarry.	:	A copy of agreement is enclosed.	259,261,
31.	Brief details of APC measures proposed to be implemented.	:	The Air quality will be affected during the quarrying period due to blasting and jackhammer drilling, which will be within prescribed limits. Air quality will be monitored periodically as per norms and Mitigation measures will be carried out to prevent dust and air propagation in to air. <b>Mist water spraying will be carried out to suppress dust</b>	117

			<b>and also wet drilling practiced.</b>									
32.	Mine Closure Plan to be furnished in Mining plan.	:	There is no proposal for back filling, reclamation and rehabilitation. The quarry pit will be fenced by barbed wire to prevent inherent entry of public and cattle. The quarried out pit will be allowed to collect rain and seepage water which will act as a reservoir for storage. This water storage will enhance the static level and ground water recharge on nearby wells.	127								
33.	Mining plan prepared by (Xerox copy of certificate to be attached)	:	RQP certificate with validity is enclosed as Annexure No: IX.	155,								
34.	Precise area communication approved by the District Collector	:	The precise area Communication letter was received from the District Collector, Madurai vide <b>R.c.No.1680/2017 - Mines Dated 30.08.2018</b>	133,								
35.	Mining plan approved by the Deputy/ Assistant Director of the District.	:	The Mining Plan was got approval by the Deputy Director, Department of Geology and Mining, Madurai vide <b>Roc.No.1680/2018 -Mines Dated 03.10.2018</b>	55,								
36.	Water requirement : a) Drinking & domestic purposes in KLD. b) Dust suppression (in KLD) c) Green belt (in KLD)	:	Drinking Water – 2.0KLD & Domestic purpose Dust Suppression – 2.0KLD Green belt – 1.0KLD <b>Total – 5.0KLD</b>	33,207								
37.	Source of water	:	<table border="1"> <thead> <tr> <th>Purpose</th> <th>Sources</th> </tr> </thead> <tbody> <tr> <td>Drinking &amp; Domestic Purpose</td> <td>Water purchase from approved water vendors available</td> </tr> <tr> <td>Dust suppression</td> <td>Existing borewell on nearby quarry area</td> </tr> <tr> <td>Green belt development</td> <td>Existing borewell on nearby quarry area</td> </tr> </tbody> </table>	Purpose	Sources	Drinking & Domestic Purpose	Water purchase from approved water vendors available	Dust suppression	Existing borewell on nearby quarry area	Green belt development	Existing borewell on nearby quarry area	33,207
Purpose	Sources											
Drinking & Domestic Purpose	Water purchase from approved water vendors available											
Dust suppression	Existing borewell on nearby quarry area											
Green belt development	Existing borewell on nearby quarry area											
38.	Ground water table	:	The Ground water is about <b>65mt</b> depth from ground level.	85,103,								
39.	Project Cost (excluding EMP Cost)	:	<p><b>The Project cost:</b></p> <p>A. Project Cost = Rs. 51,12,435/-  B. EMP cost = Rs. 3,80,000/-  Total Project Cost (A+B) = Rs. 54,92,435/-  CSR Cost (2.5%) = Rs. 1,37,500/-  <b>Total cost = Rs. 56,29,935/-</b></p> <p>The Total project cost (A+B) and including CSR cost is about <b>Rs.56,29,935</b> /- (Rupees Fifty six lakhs and twenty nine thousand and nine hundred and thirty five only)</p>	123,125, 231								

40.	EMP Cost	:	The total EMP cost is <b>Rs 3,80,000/-</b> (Rupees Three lakhs and Eighty thousand only)	125,231
41.	Disclosure RQP	:	Dr. P. Thangaraju, M.Sc., Ph.D., Qualified Person	155
42.	Soft copy of the Form-1, Pre –feasibility report and Mining plan in CD.	:	There is enclosed Soft copy for form –1, Pre – feasibility report and mining plan in CD.	263
43.	Key map showing the approach roads to the site to be attested by the Deputy/ Assistant Director of Geology and Mining of the concerned District.	:	The Key map showing with approach roads to the site is enclosed. Plate No. IC	163
44.	Village map with S.F. Nos& salient features such as vegetation, habitations etc., for a radius of 500m around the quarry site.	:	Village map with S.F.No and Salient features such as vegetation, habitation etc., for 500mt radius is enclosed as plate no. IB	161
45.	If lakes, Ponds, river, nallah, odai etc. are situated near the quarry site permission from the concerned PWD authorities for mining	:	River is passing about 450m from Eastern side of the lease applied area Odai is situated within the radius of 140m from Southwestern side Tank is situated within the radius of 310m from Western side of the lease applied area.	49,105,107, 221,
46.	Section map for mining to be attested by the Deputy/ Assistant Director of Geology and Mining of the concerned District.	:	The Geological Plan and section in 1:1000 & 1:500 scales is enclosed.	167
47.	Photograph of the proposed Mining site with S.F.No and attested by at least VAO.	:	The Photo of the Mines site is enclosed.	219
48.	Form –1 To be signed by applicant	:	I am hereby signed	53
49.	Pre- Feasibility Report to be signed by Both applicant and RQP.	:	Pre-feasibility report has been signed by the applicant and RQP	235
50.	First and last page and the page at which quantity of mining has been worked out to be signed by the Deputy/Assistant Director of Geology and Mining of	:	First page and last page and the quantity proposed in the plan have been signed by the Assistant Director of Geology and Mining.	131



	the concerned District.			
51.	Affidavit from the applicant that child labour is not being employed in the mining activity.	:	It is been ensured that the labor will not be employed less than 18 years, No child labour will engaged or entertained for any kind of quarrying operations. All the labour engaged for quarrying operations will be insured during the quarry lease period.	251,253,
52.	Affidavit from the applicant regarding planting of trees around the quarry site in fulfillment of the Green belt commitment furnished.	:	Affidavit from the applicant regarding the proposal for planting trees around the quarry and fulfillment of greenbelt commitment is enclosed.	251,253
53.	Details (POD) Regarding communicating the proposal to the members of the committee.	:		

**1. Signature of the applicant**  
For Tvl.Suganya Blue Metals

R.Malaiyaran  
(Authorized Signatory)

**2. Signature of the Qualified Person**

Dr. P. Thangaraju, M.Sc., Ph.D.,

**ACHANKULAM ROUGH STONE AND GRAVEL QUARRY LEASE APPLIED AREA (2.71.0HA)**

The proponent **Tvl.Suganya Blue Metals** has applied for Environmental clearance for the proposed quarry Rough stone and Gravel for over an extent of **2.71.0Ha** in **S.F.No: 12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3** at Achankulam Village, Thirumangalam Taluk, Madurai District and Tamilnadu

**Salient features of the proposal are as follows:**

S.No:	Details of the proposal	:	Data furnished	Page No:																					
1.	Name of the Owner + Firm	:	Tvl.Suganya Blue Metals, No.13/4A2, Achankulam Village, Nedunkulam- Kallanai Main Road, Melauppilikundu Post, Thirumangalam Taluk, Madurai District - 625 022 Mobile No : 98428 04566	19,79,181,																					
2.	Location of the quarry- S.F.No.	:	S.F.No: 12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3 at Achankulam Village, Thirumangalam Taluk, Madurai District	17,83,181,																					
3.	Purpose of Application	:	It is a Rough stone and Gravel Quarry project in Achankulam Village.	17,83,181,																					
4.	Extent of quarry in Ha-	:	2.71.0Ha	17,83,181,																					
5.	Land use planning a) Mining b) Storage of Topsoil over burden c) Infrastructure Road d) Utilized Area Total	:	<table border="1"> <thead> <tr> <th>Description</th> <th>Present area in (Ha)</th> <th>Area at the end of lease period (Ha.)</th> </tr> </thead> <tbody> <tr> <td>Quarrying Pit</td> <td>Nil</td> <td>2.04.5</td> </tr> <tr> <td>Infrastructure</td> <td>Nil</td> <td>0.01.0</td> </tr> <tr> <td>Roads</td> <td>Nil</td> <td>0.02.0</td> </tr> <tr> <td>Green Belt</td> <td>Nil</td> <td>0.32.0</td> </tr> <tr> <td>Unutilized Area</td> <td>2.71.0</td> <td>0.31.5</td> </tr> <tr> <td><b>Grand Total</b></td> <td><b>2.71.0</b></td> <td><b>2.71.0</b></td> </tr> </tbody> </table>	Description	Present area in (Ha)	Area at the end of lease period (Ha.)	Quarrying Pit	Nil	2.04.5	Infrastructure	Nil	0.01.0	Roads	Nil	0.02.0	Green Belt	Nil	0.32.0	Unutilized Area	2.71.0	0.31.5	<b>Grand Total</b>	<b>2.71.0</b>	<b>2.71.0</b>	23,113,213,
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<b>Grand Total</b>	<b>2.71.0</b>	<b>2.71.0</b>																							
6.	Production (quantity in m <sup>3</sup> )	:	<p>The proposed quantity of reserves is <b>441075m<sup>3</sup></b> (or) <b>73513</b> Lorry Loads of Rough stone up to a depth of <b>48m</b> below the ground level for a period of Five years only.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Rough stone in m<sup>3</sup></th> <th>Gravel Formation in m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>Geological Resources</td> <td>1191960</td> <td>79464</td> </tr> <tr> <td>Available Mineable reserves</td> <td>441075</td> <td>62832</td> </tr> <tr> <td>Five years plan period As in the approved mining plan</td> <td>441075</td> <td>62832</td> </tr> </tbody> </table>	Description	Rough stone in m <sup>3</sup>	Gravel Formation in m <sup>3</sup>	Geological Resources	1191960	79464	Available Mineable reserves	441075	62832	Five years plan period As in the approved mining plan	441075	62832	17,89,91,95 ,197,199, 203,									
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Five years plan period As in the approved mining plan	441075	62832																							
7.	Top soil & overburden (quantity in m <sup>3</sup> )	:	The overburden is the form of Gravel is about <b>62832m<sup>3</sup></b> up to depth <b>3m</b> for during this period.	93,																					
8.	Method of Mining	:	The quarrying operation will be carried out by Mechanized Opencast Method mining with 5.0 meter vertical bench with a bench width is not less than the bench height. The quarry operation involves shallow jack hammer drilling, slurry explosives in blasting,	93,201																					

			excavation, Loading and transportation of Roughstone to the needy crusher.				
9.	Life of Mine as per approved mining plan	:	Five years only.				79,
10.	Height / width of the bench	:	Height 5.0 m & Width 5.0 m.				93,
11.	Source of water / quantity required	Quantity required (in litres)	Source				33,207
	a. Drinking & Domestic Purpose	2.0 KLD	Approved Water vendors				
	b. Dust Suppression	2.0 KLD	Existing borewell on nearby quarry area				
	c. Green belt development	1.0 KLD	Existing borewell on nearby quarry area				
12.	Waste water Sewage water	:	There is no waste water.				37,
	Mode of disposal	:	The septic tank is constructed on permanent structure with in the quarry lease area.				
		:	To local Panchyat Authority				
13.	APC Measures	:	1.Mist Spray using water tankers, 2. Enclosed covered system. (Tarpaulin) for transportation.				39,
14.	Ariel distance of nearest habitation	:	S. No	Name of the Village	Approximate distance & Direction `from lease area	Approximate population	49,117,223
			1.	Chinna Ulagani	1.5km - NE	500	
			2.	Valayankulam	1.5km -SE	850	
			3.	Thoombakulam	2.5km - SW	400	
			4.	Nedunkulam	1.0km - NW	600	
15.	Ariel distance from Reserve forest, Sensitive areas, Forest, Bird sanctuaries, Wild life sanctuaries, National parks, Monuments etc., within 10km	:	Reserve forest – Nil Wildlife sanctuary –Nil Bird Sanctuaries – Nil National Park – Nil Monuments – Nil				49,221,
16.	Land ownership document Own patta land Lease Govt. Poramboke	:	It is a Patta land, Registered the Name of Applicant (Malaiyaranan), Ramakrishnan, Thillai Natarajan, Rakku and Subhashini (Tvl.Suganya Blue metals) vide Patta Nos.313, 300 & 249. The applicant has been consent from Pattadhar. The (Refer the Patta copy as Annexure No.IV & Consent copy as Annexure No.X).				85,139
17.	Land use classification	:	The lease applied area is exhibits Plain topography				85,
18.	Mining plan Prepared by	:	Dr. P. Thangaraju, M.Sc., Ph.D., Qualified Person				155,

19.	Precise area statement Approved by	:	The precise area Communication letter was received from the District Collector, Madurai vide <b>R.c.No.1680/2017 -Mines Dated 30.08.2018</b>	133,
20.	Approved by	:	The Mining Plan was got approval by the Deputy Director, Department of Geology and Mining, Madurai vide <b>Roc.No.1680/2018 -Mines Dated 03.10.2018</b>	55,
21.	Nearby quarries	:	There are few quarry is situated within 500m radius from the quarry site.	255
22.	Nearby lake / river/ odai / channel etc.	:	River is passing about 450m from Eastern side of the lease applied area Odai is situated within the radius of 140m from Southwestern side Tank is situated within the radius of 310m from Western side of the lease applied area.	49,105,107, 221,
23.	Latitude / Longitude	:	09°45'56.15"N to 09°46'03.07"N 78°02'17.91"E to 78°02'24.23"E	85,157,187
24.	Topo Sheet No.	:	58 - K/01	85,157,187
25.	Total Project cost (Fixed asset cost + Operational Cost + EMP cost)	:	<b>The Project cost:</b> A. Project Cost = Rs. 51,12,435/- B. EMP cost = Rs. 3,80,000/- Total Project Cost (A+B) = Rs. 54,92,435/- CSR Cost (2.5%) = Rs. 1,37,500/- <b>Total cost = Rs. 56,29,935/-</b> The total Project cost (A+B) and including CSR cost is about Rs. <b>56,29,935/-</b> (Rupees Fifty six lakhs and twenty nine thousand and nine hundred and thirty five only)	123,125, 231
26.	EMP cost	:	The total EMP cost is <b>Rs. 3, 80,000</b> /- (Rupees Three lakh eighty thousand only)	125,231
27.	Water table	:	The Ground water is about <b>65mt</b> depth from ground level.	85,103,
28.	Interstate boundary	:	There is no Interstate boundary within the radius of 10km.	49,221,
29.	Western Ghats	:	There is no Western Ghats with in 10km radius	49,221,

From:

Tvl.Suganya Blue Metals,  
No.13/4A2, Achankulam Village,  
Nedunkulam- Kallanai Main Road,  
Melauppilikundu Post,  
Thirumangalam Taluk,  
Madurai District - 625 022  
Mobile No: 98428 04566

To:

The Chairman,  
District Environment Impact Assessment Authority (DEIAA),  
Revenue Divisional Office,  
District Collectorate Campus,  
Madurai District – 625 020

Sir,

Sub: Submission of Approved Mining Plan (**Roc.No.1680/2018 - Mines Dated: 03.10.2018**) Form-1 and Pre-feasibility report for obtaining Environmental Clearance for our Achankulam Rough stone and Gravel Quarry - Reg.,

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I am here by submitting the processing fee in the form of demand draft/Challan for **Twenty thousand**, along with Form-1, Pre-feasibility report and Copy of Approved mining plan to your good office for obtaining clearance from DEIAA, Madurai, for our Achankulam Rough stone and Gravel Quarry Lease applied area for over an extent of **2.71.0Ha** located in S.F.No. **12/2B1, 12/5, 12/ 6, 12/7, 24/2 & 24/3** of Achankulam Village in Thirumangalam Taluk, Madurai District, Tamilnadu.

I have submitted all the relevant documents to your good office to the best of our knowledge. If any clarifications are required, we are ready to submit the same to your office at your convenient time. Also we are ready to present the project in front of the committee.

Hence we request your good office to kindly process our application and allow us to present our project at the earliest.

Thanking you.

Yours sincerely  
For Tvl.Suganya Blue Metals

R.Malaiyaran  
(Authorized Signatory)

Place: Madurai  
Date: 13.11.2018